September 16, 2024

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MC-127
VCP-CA Section, Remediation Division
Texas Commission on Environmental Quality
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Austin, TX 78711-3087

SECOND SEMI-ANNUAL 2023 SITE-WIDE GROUNDWATER MONITORING REPORT
HOUSTON WOOD PRESERVING WORKS, 4910 LIBERTY ROAD, HOUSTON (HARRIS COUNTY)
HAZARDOUS WASTE PERMIT/COMPLIANCE PLAN NO 50343, SOLID WASTE REGISTRATION NO. 31547
CN600131098, RN100674613, EPA ID NO. TXD000820266

Dear Mr. Wick,

WSP USA Inc. (WSP), on behalf of Union Pacific Railroad (UPRR), prepared the attached Second Semi-Annual 2023 Site-Wide Groundwater Monitoring Report detailing the site-wide groundwater sampling activities conducted in July 2023 at the UPRR Houston Wood Preserving Works Facility (the Site) located at 4910 Liberty Road, Houston, Texas. In general, groundwater concentrations in samples collected during this sampling event are consistent with previous sampling events. The results of a plume stability analysis conducted in 2023 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 2023. 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 Conditions: 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 2023 were generally similar to previous sampling events.

- COC Evaluation: The Texas Risk Reduction Program (TRRP) protective concentration level exceedance (PCLE) zones for site-specific COCs related to creosote in each GWBU are summarized below:
    - *A-TZ*:
        - The cumulative PCLE Zone in the A-TZ GWBU is within the Site boundary except to the north (along Liberty Road) where it extends onto the City of Houston ROW.

        - Site-specific COC concentrations detected in samples from the off-site A-TZ GWBU wells during the 2nd Semi-Annual 2023 sampling event were below the conservative US EPA vapor intrusion screening level (VISL)-calculated screening levels. The A-TZ groundwater data indicates the off-site VI pathway from groundwater is incomplete.
    - *B-CZ/B-TZ:*
        - The cumulative PCLE Zone based on land use (i.e., C/I for on-Site wells and Residential for off-Site wells) in the B-CZ/B-TZ GWBU (i.e., Class 3 and 2 groundwater, respectively) for the 2nd Semi-Annual 2023 event encompasses the northern portion of the Site, and extends off-site to the north of the Site (referred to as the "Main" PCLE Zone). The PCLE Zone for the smaller area on the west side of the Site is within the Site property boundary (referred to as the "West" PCLE Zone).
    - *C-TZ:*
        - The cumulative PCLE Zone in the C-TZ is in the northeast portion of the Site and off-site to the northeast onto the City of Houston ROW.
    - *D-TZ:*
        - No site-specific VOCs or SVOCs were detected at concentrations above cPCLs in samples collected from D-TZ wells during the 2nd Semi-Annual 2023 sampling event.
    - Arsenic was detected above cPCL (0.01 mg/L) in 27 of the 119 (23%) groundwater samples analyzed for arsenic from the 2nd Semi-Annual 2023 sampling event (16 samples in the A-TZ, 7 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.

- Trend Analysis: Trend analyses of the primary COC concentrations in groundwater samples from individual monitoring wells in each GWBU was conducted:
    - Of the 119 wells evaluated, groundwater data from 102 wells (86%) show a "decreasing," "probably decreasing," "stable" trend, or "no trend," indicating that primary COC concentrations at a large majority of wells are not increasing.
    - Groundwater data from 12 monitoring wells showed a "probably increasing" or "increasing" trend; however, the concentrations in those wells were either not detected during this event, low-level detections near the sample detection limit (SDL) or J-flagged results below their respective residential assessment levels (RALs).
    - Groundwater samples from 5 wells showed a "probably increasing" or "increasing" trend in primary COC concentrations where concentrations were not considered low-level detections (near the SDL) or J-flagged (as estimated). Of these 5 wells, four wells (MW-78A, MW-32B, MW-49B, and MW-45C) are DNAPL recovery wells where DNAPL has been detected in the wells. Data from monitoring well MW-63B indicates an increasing trend for benzene concentrations in this off-site well; however, this is a B-CZ well and benzene concentrations are below the cPCL (Class 3 groundwater).

- Groundwater Plume Analysis: WSP performed a plume analytics evaluation (a Ricker Method® Plume Stability Analysis and Spatial Change Indicator™ Analysis (US Pat. No. 10,400,583)) using groundwater

analytical data and groundwater elevation data collected from 1984 to 2023 for the A-TZ, B-CZ/B-TZ, and C-TZ groundwater bearing units. The plume analysis is summarized below:

- *A-TZ:* All plume trends in the A-TZ were identified as stable, not statistically significant ("No Trend") or decreasing for the primary COCs.
- *B-CZ/B-TZ:* All plume trends in the B-CZ/B-TZ were identified as stable or decreasing.
- *C-TZ:* Average benzene concentration trend was identified as statistically increasing for benzene in the C-TZ; all other trends for the primary COCs in the C-TZ were either decreasing or not statistically significant. The increasing benzene trend in concentration within the C-TZ zone is due to the decreasing area of the plume.

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

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

Sincerely,

WSP USA INC.

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

CC: Kevin Peterburs, UPRR

Attachments: 2nd Semi-Annual 2023 Site-Wide Groundwater Monitoring Report

SECOND SEMI-ANNUAL 2023 SITE WIDE GROUNDWATER MONITORING REPORT

HOUSTON WOOD PRESERVING WORKS FACILITY

September 16, 2024

Submitted to:

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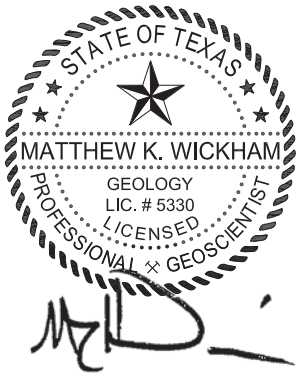

09/10/24

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TABLE OF CONTENTS

1 INTRODUCTION 6

2 GROUNDWATER MONITORING ACTIVITIES 7

3 GROUNDWATER ELEVATION DATA AND DNAPL MEASUREMENTS 9

3.1 A-TZ Wells 9

3.2 B-CZ/B-TZ Wells 9

3.3 C-TZ Wells 9

3.4 D-TZ Wells 10

4 GROUNDWATER ANALYTICAL RESULTS . 11

4.1 Site-Specific COCs 11

4.2 A-TZ wells 12

4.3 B-CZ/B-TZ wells 14

4.4 C -TZ wells 15

4.5 D -TZ wells 15

4.6 Trend Analysis 16

4.6.1 Individual Wells 16

4.6.2 Plume Analytics 17

4.7 Arsenic 19

5 CONCLUSIONS 20

6 NOTIFICATIONS 22

7 REFERENCES 23

TABLES

Table 1 – Groundwater Measurements

Table 2 – Analytical Results Summary (2008 – 2023) – Class 2 Groundwater

Table 3 – Analytical Results Summary (2008 – 2023) – Class 3 Groundwater

Table 4 - Analytical Results Summary – A-TZ Wells - VISL Comparison

FIGURES

Figure 1 – Monitoring Well Location Map
Figure 2 – Groundwater Gradient Map A-TZ – July 2023
Figure 3 – Groundwater Gradient Map B-TZ/B-CZ – July 2023
Figure 4 – Groundwater Gradient Map C-TZ - July 2023
Figure 5 – Groundwater Gradient Map D-TZ - July 2023
Figure 6 – Groundwater COC Concentration Map A-TZ – July 2023
Figure 7 – Groundwater COC Concentration Map B-TZ/B-CZ – July 2023
Figure 8 – Groundwater COC Concentration Map C-TZ – July 2023
Figure 9 – Groundwater COC Concentration Map D-TZ – July 2023
Figure 10 – Site-Specific COC Groundwater Plume Map
Figure 11 – Arsenic Groundwater Plume Map
Figure 12 – Groundwater COC Concentration Map A-TZ – Benzene – July 2023
Figure 13 – Groundwater COC Concentration Map A-TZ – 2,4-Dimethylphenol –July2023
Figure 14 – Groundwater COC Concentration Map A-TZ – 2-Methylnaphthalene – July 2023
Figure 15 – Groundwater COC Concentration Map A-TZ – Dibenzofuran – July 2023
Figure 16 – Groundwater COC Concentration Map A-TZ – Naphthalene – July 2023
Figure 17 – Groundwater COC Concentration Map B-CZ/B-TZ – Benzene –July2023
Figure 18 – Groundwater COC Concentration Map B-CZ/B-TZ – 2,4-Dimethylphenol –July 2023
Figure 19 – Groundwater COC Concentration Map B-CZ/B-TZ – 2-Methylnaphthalene – July 2023
Figure 20 – Groundwater COC Concentration Map B-CZ/B-TZ – Dibenzofuran – July 2023
Figure 21 – Groundwater COC Concentration Map B-CZ/B-TZ – Naphthalene – July 2023
Figure 22 – Groundwater COC Concentration Map C-TZ – Benzene – July 2023
Figure 23 – Groundwater COC Concentration Map C-TZ – 2,4-Dimethylphenol – July 2023
Figure 24 – Groundwater COC Concentration Map C-TZ – 2-Methylnaphthalene – July 2023
Figure 25 – Groundwater COC Concentration Map C-TZ – Dibenzofuran – July 2023
Figure 26 – Groundwater COC Concentration Map C-TZ – Naphthalene – July 2023
Figure 27 – Groundwater COC Concentration Map A-TZ – Arsenic – July 2023
Figure 28 – Groundwater COC Concentration Map B-CZ/B-TZ – Arsenic – July 2023
Figure 29 – Groundwater COC Concentration Map C-TZ – Arsenic – July 2023
Figure 30 – Groundwater COC Concentration Map D-TZ – Arsenic – July 2023

ATTACHMENTS

Attachment A – Groundwater Sampling Field Records

Attachment B – Data Usability Summaries and Analytical Reports – 2nd Semi-Annual 2023 Sampling Event

Attachment C – Mann-Kendall Trend Test Results

Attachment D – Groundwater Plume Analytics Technical Memo

Attachment E -- TRRP Notifications

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 2023 at the UPRR Houston Wood Preserving Works (HWPW) Facility (the Site) (Figure 1) located at 4910 Liberty Road, Houston, Texas.

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

2 GROUNDWATER MONITORING ACTIVITIES

WSP, on behalf of UPRR, conducted the 2nd semi-annual groundwater monitoring activities at the Site between July 7 and July 25, 2023. The semi-annual sampling event included 118 groundwater monitoring wells plus 10 additional monitoring wells associated with Closed Surface Impoundment Unit No. 001 (Solid Waste Management Unit (SWMU) 1). The wells were located on-site and off-site and screened within the following groundwater-bearing units (GWBUs) (Figure 1):

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

Additional details on the SWMU 1 semi-annual sampling are provided in the Corrective Action Monitoring Report dated July 10, 2023 (WSP, 2023a).

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

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

Since dedicated tubing was used in each well, no equipment rinsate samples were collected. Sampling information (i.e., sample time, bottle sets, sampler name, use of filter, etc.) was recorded on the groundwater sampling field records. Groundwater sampling field records from the 2nd semi-annual 2023 sampling event are provided in Attachment A.

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

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

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

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

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

3 GROUNDWATER ELEVATION DATA AND DNAPL MEASUREMENTS

Groundwater elevations for the monitoring wells gauged during the 2nd semi-annual 2023 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 2023 event. Groundwater flow conditions for each GWBU are described in the following sections.

3.1 A-TZ WELLS

The highest groundwater elevation in the A-TZ was measured at 43.56 feet relative to the City of Houston Vertical Datum (HVD) (MW-88A), with the lowest elevation northeast of the Site at 34.88 feet HVD (MW-44A) (Figure 2). The groundwater flow direction in the A-TZ varies across the Site (Figure 2). As discussed in the APAR Addendum (PBW, 2010), a 60-inch sanitary sewer line runs north to south just west of the Lockwood Bridge and appears to intersect the A-TZ, influencing groundwater flow in this area. Groundwater flow in the A-TZ flows to the east on the west side of the sanitary sewer line and flows to the west on the east side of the wastewater line (Figure 2).

No DNAPL was detected in the A-TZ wells during the July 2023 monitoring event.

3.2 B-TZ/B-CZ WELLS

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

Groundwater elevations in the B-TZ ranged from a high elevation measured southwest of the Site of 45.25 feet HVD at MW-96B, to the lowest elevation of 36.20 feet HVD at MW-89B north of the Site near Jewel Street (Figure 3). Groundwater in the B-TZ generally flows from the southwest to the northeast across the Site (Figure 3), similar to groundwater flow in the A-TZ. As discussed in the APAR Addendum (PBW, 2010), there appears to be communication between the A-TZ and B-TZ as indicated by the relatively similar groundwater elevations in the two units. Off-site to the north of Liberty Road, the groundwater flow conditions in the B-TZ are variable with groundwater flow generally to the north to northeast.

The highest measured groundwater elevation in the B-CZ is north of the Site at 43.25 feet HVD at MW-71B, with the lowest elevation of 25.15 feet HVD near the northeast portion of the Site at MW-72B. The groundwater flow conditions within the B-CZ are variable, but overall flow is generally to the northeast.

DNAPL was detected in on-site wells MW-12B, MW-41B, and MW-49B and off-site wells MW-32B and MW-70B during the July 2023 sampling event (Figure 3).

3.3 C-TZ WELLS

Groundwater elevations measured in the C-TZ ranged from a high elevation of 28.17 feet HVD at MW-53C which is located off-site to the northeast (Figure 4). The lowest elevation measured in the C-TZ during the July 2023 sampling

event was 24.26 feet HVD at MW-12C on the west side of the Site. Groundwater flow in the C-TZ is generally to the southwest across the Site (Figure 4).

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

3.4 D-TZ WELLS

Groundwater elevations measured in the D-TZ ranged from a high elevation of -37.58 feet HVD east of the Site at MW-66D, to the lowest elevation of -40.79 feet HVD at MW-36D north of the Site (Figure 5). Groundwater flow in the D-TZ is generally from the southeast to northwest across the northeast portion of the Site (Figure 5).

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

4 GROUNDWATER ANALYTICAL RESULTS

Groundwater analytical results from the 2nd semi-annual 2023 sampling event are summarized along with the historical groundwater monitoring data from January 2008 through July 2023 in the following tables:

- Table 2 – Analytical Results Summary (2008 – 2023) – Class 2 Groundwater
- Table 3 – Analytical Results Summary (2008 – 2023) – Class 3 Groundwater
- Table 4 - Analytical Results Summary – A-TZ Wells – VISL Comparison

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

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

4.1 SITE-SPECIFIC COCS

Based on the comparison of site-specific COCs to the applicable TRRP groundwater cPCLs, the following 8 site-specific COCs (plus arsenic) were detected at concentrations that exceeded their respective cPCL during the July 2023 sampling event (GWBU where concentrations >cPCLs were detected noted):

Volatile Organic Compounds (VOCs)[1]

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

Semi-Volatile Organic Compounds (SVOCs)[2]

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

Notes:

[1] VOCs 1,2-dichloroethane (A-TZ) and methylene chloride (A-TZ & C-TZ) were not detected but the sample detection limits (SDLs) were greater than the cPCL for five samples.

[2] SVOCs 1,2-diphenylhradzine (B-TZ), 2,4-dinitrotoluene (A-TZ, B-TZ, & C-TZ), 2,6-dinitotoluene(A-TZ, B-TZ, & C-TZ), 4,6-dinitro-2-methylphenol (B-TZ)), bis(2-chloroethoxy)methane (B-TZ & C-TZ), bis(2-ethylhexyl)phthalate (DEHP) (B-TZ), and pentachlorophenol (A-TZ, B-TZ, & C-TZ) were not detected but the SDLs were greater than the cPCL for five samples.

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

The spatial distribution of COC concentrations in groundwater samples collected from each GWBU during the 2nd semi-annual 2023 event and the cumulative/overall combined PCLE zones for VOC and SVOC COCs and separate arsenic PCLE zones are presented on the following figures:

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

- Figure 9 for D-TZ.

Cumulative groundwater PCLE zones for each GWBU for the 2nd semi-annual 2023 event are presented on Figure 10 for site-specific VOC and SVOC COCs and on Figure 11 for arsenic.

In addition to the figures listed above, individual VOC and SVOC COC concentration isopleth maps (Figures 12 through 26) for the most commonly detected groundwater COCs (primary VOC: benzene, and primary SVOCs: 2,4-dimethylphenol, 2-methylnaphthalene, dibenzofuran, and naphthalene) at the Site using the 2nd semi-annual 2023 data were prepared for the A-TZ, B-CZ/B-TZ, and C-TZ units. The isopleth maps for the primary COCs were generated using the Kriging geostatistical gridding method with the default linear variogram (complete description of method is provided in the Groundwater Plume Analytics Services Technical Memorandum provided in Attachment D). Below is a list of the figures for each GWBU and primary COC:

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

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

Arsenic concentration maps showing arsenic PCLE Zones for the A-TZ, B-CZ/B-TZ, and C-TZ GWBUs and data for the D-TZ unit (no arsenic PCL exceedance zone present in the D-TZ) based on the 2nd semi-annual 2023 data are presented on Figures 27 through 30, respectively.

4.2 A-TZ WELLS

VOCs

Benzene concentrations were detected above the cPCL (0.005 mg/L ($^{GW}GW_{Ing}$ PCL)) in 7 of the 45 groundwater samples (16%) from the A-TZ wells collected during the 2nd semi-annual 2023 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). Site-specific VOC concentrations in samples collected from off-site A-TZ monitoring wells were below the cPCL. VOCs 1,2-dichloroethane, benzene, and methylene chloride were not detected but the sample detection limits (SDLs) were greater than the cPCLs in one off-site well due to dilution (MW-68A). Analytical data from the 2nd semi-annual 2023 sampling event indicated that benzene concentrations are below the cPCLs in samples from the A-TZ wells located to the north, east, south, and west of the Site.

SVOCs

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

- 2,4-Dimethylphenol (1 out of 45 samples (2%)) (Figure 13),
- 2-Methylnaphthalene (1 out of 45 samples (2%)) (Figure 14), and
- Naphthalene (2 out of 45 samples (4%)) (Figure 16).

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

- Benzo(a)pyrene (3 out of 45 samples (7%))
- Bis(2-Chloroethoxy)methane in MW-18A (1 out of 45 samples (2%))

COCs 1,2-dichloroethane, 2,4-dinitrotoluene, 2,6-dinitotoluene, benzo(a)pyrene, bis (2-Chloroethoxy) methane, methylene chloride, and pentachlorophenol were not detected above the sample detection limits (SDLs). However, for these SVOCs, the SDL was greater than the cPCL in three samples collected from MW-17, MW-18A, and MW-68A due to matrix interference or high concentrations of target and/or non-target compounded resulting in sample dilution and elevated reporting limits. Concentrations for the other site-specific SVOCs analyzed were either below cPCLs or below the SDL in samples from the A-TZ wells collected during the 2nd semi-annual 2023 sampling event.

Site-specific SVOCs were detected above applicable cPCLs in samples collected from A-TZ wells located generally on the eastern portion of the Site and in the northern portion of the Englewood Intermodal Yard. Analytical data from the 2nd semi-annual 2023 sampling event indicated that the site-specific SVOCs concentrations were below their respective cPCLs in samples from the A-TZ wells located to the north, east, south, and west of the Site, similar to the distribution of benzene concentrations. None of the site-specific SVOC concentrations detected in samples from the off-site A-TZ wells exceeded their respective RALs.

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

The cumulative PCLE Zone for site-specific VOC and SVOC COCs in the A-TZ compared to previous events continues to indicate the plume stable.

EPA Vapor Intrusion Screening Level Evaluation

Groundwater analytical data from the 2nd semi-annual 2023 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 screening levels 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 2nd semi-annual 2023 groundwater sample COC concentrations for the Site-specific COCs (Table 4).

No COC concentrations reported in off-site A-TZ GWBU monitoring wells were detected above the conservative EPA VISL-calculated groundwater screening concentrations for the 2nd semi-annual 2023 sampling event.

4.3 B-CZ/B-TZ WELLS

VOCs

Benzene concentrations were detected above the cPCL of 0.005 mg/L ($^{GW}GW_{Ing}$ PCL) in 4 of the 31 (13%) samples collected from the B-TZ wells and above the Class 3 PCL of 0.5 mg/L ($^{GW}GW_{Class\ 3}$ PCL) in 4 of the 15 (27%) samples collected from the B-CZ wells. Two separate PCLE Zones (Main and West) are evident based on the 2nd semi-annual 2023 groundwater data from the B-CZ/B-TZ monitoring wells (as shown on Figure 17). These two PCLE Zones are described below:

- Main PCLE Zone: The primary benzene PCLE zone that straddles the boundary between B-CZ/B-TZ GWBU (groundwater classification Class 3 and Class 2, respectively) includes a small area in the north portion of the Site and extends approximately 600 feet north of the UPRR property boundary. This PCLE zone appears to be delineated based on data for surrounding monitoring wells (MW-63B, MW-71B, MW-82B, MW-84B, MW-90B, MW-92B and MW-93B).
- West PCLE Zone: A small benzene PCLE zone in the B-TZ is located 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 confined within the UPRR property boundary based on data for surrounding monitoring wells (MW-38B, MW-39B, MW-62B, and TW-41B).

SVOCS

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

- 2-Methylnaphthalene (3 out of 46 samples (7%)) (Figure 19),
- Dibenzofuran (2 out of 46 samples (4%)) (Figure 20), and
- Naphthalene (4 out of 46 samples (9%)) (Figure 21).

These primary site-specific SVOCs were detected above their respective cPCLs in samples located generally within the B-CZ/B-TZ Main and West PCLE Zones described above. No groundwater samples had 2,4-dimethylphenol detections at concentrations above its cPCL (Figure 18) during this sampling event.

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

- Benzo(a)pyrene concentrations were detected in samples collected from DNAPL recovery wells MW-12B, MW-41B, and MW-74B at concentrations greater than their SDLs and cPCLs. Benzo(a)pyrene concentrations exceeded the cPCL in MW-68B and MW-75B.
- Benzo(a)anthracene exceeded the cPCL in MW-12B, MW-41B, and MW-75B.

COCs 1,2-diphenylhydrazine, 2,4-dinitrotoluene, 2,6-dinitotoluene, 4,6-dinitro-2-methylphenol, benzo(a)pyrene, bis (2-Chloroethoxy) methane, bis(2-ethylhexyl)phthalate (DEHP), and pentachlorophenol were not detected above the sample detection limits (SDLs). However, for these SVOCs, the SDL was greater than the cPCL in two samples collected from MW-12B and MW-41B due to matrix interference or high concentrations of target and/or non-target compounded resulting in sample dilution and elevated reporting limits. Concentrations for the other site-specific SVOCs analyzed were either below cPCLs or below the SDL in samples from the B-TZ/B-CZ wells collected during the 2nd semi-annual 2023 sampling event.

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

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

4.4 C-TZ WELLS

VOCs

Benzene concentrations were detected above the cPCL (0.005 mg/L) in 4 of the 30 (13%) groundwater samples collected from C-TZ wells during the 2nd semi-annual 2023 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 one off-site well to the north (MW-45C) (Figure 22). The MDL for methylene chloride in samples from MW-18C, MW-23C, or MW-25C exceeded the cPCL; however, there were no detections of methylene chloride in those samples.

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 (2 out of 30 samples (7%)) (Figure 24), and
- Naphthalene (5 out of 30 samples (17%)) (Figure 26).

PCLE Zones for these COCs are located on the northeastern portion of the Site and offsite to the northeast near the Lockwood Bridge. As a result, the cumulative groundwater PCLE Zone for the primary SVOCs is predominately within the Site boundary except to the northeast where it extends onto the City of Houston right-of-way (ROW) (MW-25C and historical DNAPL wells around the Lockwood Bridge). Concentrations of 2,4-dimethylphenol detected did not exceed the cPCL (Figure 23) during the 2nd semi-annual sampling event.

The following other site-specific SVOCs were detected at concentrations that exceeded their cPCLs in groundwater samples from C-TZ wells during the 2nd semi-annual 2023 sampling event (Figure 8):

- Benzo(a)pyrene was detected above the cPCL (0.0002 mg/L) in samples collected from off-site wells MW-45C and MW-46C.
- In addition, SDLs for 1,2-diphenylhydrazine, 2,4-dinitrotoluene, 2,6-dinitotoluene, benzo(a)pyrene, bis (2-Chloroethoxy) methane, and pentachlorophenol in samples from MW-17C and MW-18C were greater than respective cPCLs. The SDL for methylene chloride in samples from MW-18C, MW-23C and MW-25C were greater than the cCPLs. No concentrations were detected above the elevated SDLs.

DNAPL has been historically detected in samples from wells MW-45C and MW-46C. Trace amounts of DNAPL were detected in these wells during the bi-monthly recovery events[1] in the second half of 2023.

The PCLE zones for these additional SVOCs are within the benzene and primary SVOC PCLE Zones discussed above (Figures 22-25).

The cumulative PCLE Zones for VOCs and SVOCs in the C-TZ continue to indicate a decreasing plume compared to previous events.

4.5 D -TZ WELLS

VOCs

No site-specific VOCs were detected above cPCLs in samples collected from D-TZ wells during the July 2023 monitoring event.

[1] DNAPL recovery is performed bi-monthly (twice monthly) and reported quarterly (see DNAPL Recovery Activities Quarterly Report - 4th Quarter 2022, WSP, 2023b).

SVOCs

No site-specific SVOCs were detected above cPCLs in samples collected from D-TZ wells during the July 2023 monitoring event.

4.6 TREND ANALYSIS

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

4.6.1 INDIVIDUAL WELLS

WSP conducted a trend analysis of the primary COC concentrations (benzene, 2,4-dimethyphenol, 2-methylnaphthalene, dibenzofuran, and naphthalene) for each monitoring well using the Mann-Kendall trend test. The trend analysis included data from groundwater samples from monitoring wells in each GWBU from 2009 (or from date of installation) to 2023 for wells with at least four sampling events, including samples collected from wells containing detectable DNAPL. The Mann-Kendall test is a nonparametric method (i.e., it does not require a distributional assumption of the data) to test for an increasing or decreasing linear trend over time. The Mann-Kendall test also does not require special treatment for non-detects, other than non-detect concentrations should be set to a common value lower than any of the detected concentrations (EPA, 2009). The Mann-Kendall test was performed for each well with at least one detection of a primary COC.

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

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

The Mann-Kendall test results generally indicated that primary COC concentrations are either stable, decreasing, probably decreasing, or exhibit no trend in samples from 102 of the 119 site-wide monitoring wells at the Site. Any COC in a well in which all concentrations are below detection limits for all sampling events is assigned "ND" on Table C-1 (Attachment C).

The Mann-Kendall test results identified COCs as probably increasing ("PI") or increasing ("I") in samples from 17 monitoring wells. Of those, 12 monitoring wells had data where recent analytical results were reported as either not detected, just above the SDL, or J-flagged as estimated (value was between the SDL and quantitation limit). The recent COC detections were below, and in some cases orders of magnitude below, the applicable cPCL for the COC. This included the following 12 wells and COCs:

- A-TZ wells: MW-05 (2,4-dimethylphenol), MW-60AR (naphthalene), and MW-95A (2-methylnaphthalene, 2,4-dimethylphenol, naphthalene);
- B-CZ well: MW-33BR (2,4-dimethylphenol);
- B-TZ wells: P-11 (2-methylnaphthalene), MW-96B (2-methylnaphthalene, 2,4-dimethylphenol, naphthalene),and TW-41B (2-methylnaphthalene, dibenzofuran, naphthalene); and
- C-TZ wells: MW-12C (2,4-dimethylphenol), MW-17C (2,4-dimethylphenol), MW-19C (dibenzofuran), MW-23C (2,4-dimethylphenol) and MW-85C (2,4-dimethylphenol).

Mann-Kendall test results indicate an increasing/probably increasing trend in the samples from the following 5 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: The evaluation indicates a **probably increasing** trend in benzene concentrations 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 bi-monthly recovery events[2] completed in the second half of 2023.

B-CZ/B-TZ:

- Off-site well MW-32B: The evaluation indicates a **probably increasing** trend in benzene concentrations in samples collected from off-site well MW-32B. MW-32B is part of the current DNAPL recovery well network and DNAPL has been detected during bi-monthly recovery events. The benzene concentrations detected in MW-32B are less than the historical maximums previously detected at this monitoring/recovery well.
- On-site well MW-49B: The evaluation indicates **increasing** trends in 2-methylnaphthalene, 2,4-dimethylphenol, benzene, dibenzofuran, and naphthalene concentrations in samples collected from on-site well MW-49B. MW-49B is part of the current DNAPL recovery well network and DNAPL has been detected during bi-monthly recovery events. The primary COC concentrations detected in MW-49B during this sampling event are less than the Class 3 groundwater cPCLs, and less than the historical maximums previously detected at this monitoring/recovery well.
- Off-site well MW-63B: The evaluation indicates an **increasing** trend in benzene concentrations in samples collected from off-site well MW-63B. The concentrations observed in MW-63B from the 2nd semi-annual 2023 sampling event are all below the cPCL (Class 3 groundwater) and below historical maximum detections for the primary site-specific COCs.

C-TZ:

- Off-site well MW-45C: Results indicate a **probably increasing** trend in 2-methylnaphthalene concentrations and an **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 present in MW-45C during the bi-monthly recovery events in the second half of 2023. Concentrations observed in MW-45C from the 2nd semi-annual 2023 sampling event are all below historical maximum detections for the primary site-specific COCs. The trend results are affected by anomalously high results observed during the 2nd 2022 semi-annual monitoring event as detailed in the previous semi-annual monitoring report (WSP, 2023c).

Of the wells evaluated, primary COC data associated with 5 wells listed above, showed a probably increasing or increasing trend in concentrations (excludes the 12 wells discussed above with low-level or J-flagged results). Of these five wells, four wells (MW-78A, MW-32B, MW-49B, and MW-45C) are DNAPL recovery wells where product has been detected in the wells.

4.6.2 PLUME ANALYTICS

WSP performed a plume analytics evaluation using groundwater analytical data and groundwater elevation data collected from 1984 to 2023 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

[2] DNAPL recovery is performed bi-monthly (twice monthly) and reported quarterly (see DNAPL Recovery Activities Quarterly Report - 4th Quarter 2022, WSP, 2023b).

bearing unit. The complete analyses including details of the methodologies are provided in Attachment D. A summary of the results is provided below.

Ricker Method® Plume Stability Trend Results			
Constituent	**Area**	**Average Concentration**	**Mass Indicator**
A-TZ (2014 – 2023)			
2,4-Dimethylphenol	Decreasing Trend	Decreasing Trend*	Decreasing Trend
2-Methylnaphthalene	Stable	Decreasing Trend**	Decreasing Trend**
Benzene	No Trend	Stable	Stable
Dibenzofuran	Stable	Stable	Stable
Naphthalene	Stable	Decreasing Trend**	Decreasing Trend**
B-CZ/B-TZ (2012 – 2023)			
2,4-Dimethylphenol	Decreasing Trend	Decreasing Trend	Decreasing Trend
2-Methylnaphthalene	Stable	Stable	Stable
Benzene	Decreasing Trend	Stable	Stable
Dibenzofuran	Stable	Stable*	Stable*
Naphthalene	Decreasing Trend	Decreasing Trend	Decreasing Trend
C-TZ (2004 – 2023)			
2,4-Dimethylphenol	No Trend	No Trend	No Trend
2-Methylnaphthalene	Decreasing Trend	Decreasing Trend	Decreasing Trend
Benzene	Decreasing Trend	Increasing Trend	Decreasing Trend
Dibenzofuran	Decreasing Trend	Decreasing Trend	Decreasing Trend
Naphthalene	Decreasing Trend	Decreasing Trend	Decreasing Trend

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

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

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

Please note that during development of the input data set, some apparently anomalous results were observed for wells in the B-CZ/B-TZ and C-TZ groundwater bearing units. For example, naphthalene was detected at a value

of 1,200 mg/L in MW-49B in January 2020. MW-49B has been sampled 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 2nd semi-annual 2023 sampling event were detected above the cPCL (0.010 mg/L) in 27 of the 119 (23%) groundwater samples analyzed for arsenic (16 samples in the A-TZ, 7 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 associated with geochemical conditions developed along the hydrocarbon plume for most of the wells as supported by:

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

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

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

The arsenic concentration in samples collected from MW-91A have ranged from 0.00989 mg/L to 0.0363 mg/L since installation.

5 CONCLUSIONS

The following conclusions were made for each GWBU based on the groundwater sampling analytical results from the 2nd semi-annual 2023 site-wide groundwater monitoring event conducted in July 2023:

- **A-TZ:**
  - The cumulative VOC/SVOC PCLE Zone in the A-TZ GWBU is within the Site boundary except to the north (along Liberty Road) where it extends onto the City of Houston ROW.
  - Site-specific VOC/SVOC concentrations detected in samples from the off-site A-TZ GWBU wells were below the conservative EPA VISL-calculated screening levels. This indicates that COC concentrations are not expected to pose an unacceptable VI risk.
  - Trend analyses indicate overall plume stability in the A-TZ.
    - Individual well trend analysis indicates a probably decreasing, decreasing, stable, or no trend for primary COC concentrations in 40 of the 44 A-TZ wells sampled.
    - Four wells completed in the A-TZ indicated probably increasing or increasing concentration trends; however, one of these wells had COC concentrations that were not detected and two of these wells had COC concentrations that were just above the SDL or estimated (J-flagged) and were orders of magnitude below the appliable cPCL for the COC. Samples from one A-TZ well, MW-78A, indicate a probably increasing trend with concentrations exceeding their respective cPCLs. However, MW-78A is in the center of the Site and part of the current DNAPL recovery well network.
    - The cumulative PCLE Zone for site-specific VOC and SVOC COCs in the A-TZ compared to previous events continues to indicate the plume is stable.
- **B-CZ/B-TZ:**
  - The cumulative VOC/SVOC PCLE Zone based on residential and C/I land use (i.e., C/I for on-Site wells and Residential for off-Site wells) and both Class 2 and 3 groundwater in the B-CZ/B-TZ GWBU (i.e., Class 3 and 2 groundwater, respectively) includes a small area in the north portion of the Site and extends approximately 600 feet north of the UPRR property boundary (referred to as the “Main” PCLE Zone). A smaller VOC/SVOC PCLE Zone located on the west side of the Site is within the Site property boundary (referred to as the “West” PCLE Zone).
  - Trend analyses indicate overall plume stability in the B-CZ/B-TZ.
    - Individual well trend analysis indicates a probably decreasing, decreasing, stable, or no trend for primary COC concentrations in 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, one of these wells had COC concentrations that were not detected and four of these wells had COC concentrations that were just above the SDL or estimated (J-flagged) and were below the applicable cPCL for the COC. Two B-CZ/B-TZ wells indicated increasing or probably increasing trends in concentrations greater than cPCL, both of which also have DNAPL present in the wells (MW-32B and MW-49B).
    - The cumulative PCLE Zones for site-specific COCs detected in the B-CZ/B-TZ monitoring wells continue to indicate a stable and/or decreasing plume compared to previous sampling events.
- **C-TZ:**
  - The cumulative VOC/SVOC PCLE Zone in the C-TZ is in the northeast portion of the Site and extends off-site to the northeast onto the City of Houston ROW near the Lockwood Bridge.
  - Trend analyses indicate overall plume stability in the C-TZ.
    - Individual well trend analysis indicates a probably decreasing, decreasing, stable, or no trend in 22 of the 28 C-TZ wells analyzed.
      - Of the six wells that exhibit probably increasing or increasing trends in COC concentrations, COC concentrations in three wells were not detected during this sampling event and in two wells varied slightly around the SDL (several orders of magnitude below

cPCLs). Naphthalene and 2-methylnapthalene concentrations in MW-45C show an increasing and probably increasing trend, respectively. MW-45C is a DNAPL recovery well.

- The cumulative PCLE Zones for VOCs and SVOCs in the C-TZ continue to indicate a decreasing plume compared to previous events.

D-TZ:

- No site-specific VOCs or SVOCs were detected at concentrations above cPCLs in samples collected from D-TZ wells during the July 2023 sampling event.

6 NOTIFICATIONS

The groundwater data collected during the 2nd semi-annual 2023 event in July is being submitted to the TCEQ in this GMR. Off-site 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 BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-01A	47.92	9/2/1993	6.96			40.99
MW-01A	47.92	12/21/1993	3.28			44.67
MW-01A	47.92	3/24/1994	3.95			44
MW-01A	47.92	6/22/1994	5.30			42.65
MW-01A	47.92	9/28/1994	7.10			40.85
MW-01A	47.92	10/13/1994	7.26			40.69
MW-01A	47.92	1/24/1995	2.63			45.32
MW-01A	47.92	4/11/1995	2.61			45.34
MW-01A	47.92	7/11/1995	4.78			43.17
MW-01A	47.92	1/23/1996	5.67			42.28
MW-01A	47.92	7/19/1996	7.84			40.11
MW-01A	47.92	9/17/1996	8.33			39.62
MW-01A	47.92	10/31/1996	6.90			41.05
MW-01A	47.92	11/22/1996	8.63			39.32
MW-01A	47.92	12/27/1996	5.50			42.45
MW-01A	47.92	1/22/1997	3.41			44.54
MW-01A	47.92	2/21/1997	2.68			45.27
MW-01A	47.92	3/25/1997	2.96			44.99
MW-01A	47.92	4/23/1997	4.27			43.68
MW-01A	47.92	4/24/1997	4.47			43.48
MW-01A	47.92	5/13/1997	2.91			45.04
MW-01A	47.92	6/20/1997	4.88			43.07
MW-01A	47.92	6/25/1997	2.59			45.36
MW-01A	47.92	7/1/1997	4.04			43.91
MW-01A	47.92	7/24/1997	6.80			41.15
MW-01A	47.92	8/16/1997	7.84			40.11
MW-01A	47.92	8/22/1997	9.52			38.43
MW-01A	47.92	9/25/1997	6.02			41.93
MW-01A	47.92	10/22/1997	4.89			43.06
MW-01A	47.92	11/25/1997	4.88			43.07
MW-01A	47.92	12/19/1997	4.26			43.69
MW-01A	47.92	1/20/1998	3.10			44.85
MW-01A	47.92	3/3/1998	2.87			45.08
MW-01A	47.92	3/18/1998	2.68			45.27
MW-01A	47.92	4/24/1998	6.73			41.22
MW-01A	47.92	5/21/1998	6.89			41.06
MW-01A	47.92	7/30/1998	7.96			39.99
MW-01A	47.92	8/25/1998	6.87			41.08
MW-01A	47.92	9/21/1998	4.70			43.25
MW-01A	47.92	10/26/1998	5.98			41.97
MW-01A	47.92	11/23/1998	4.11			43.84
MW-01A	47.92	1/29/1999	3.01			44.94
MW-01A	47.92	2/26/1999	3.20			44.75
MW-01A	47.92	3/16/1999	3.71			44.24
MW-01A	47.92	4/29/1999	3.93			44.02
MW-01A	47.92	6/1/1999	3.98			43.97
MW-01A	47.92	7/30/1999	4.31			43.64
MW-01A	47.92	8/27/1999	4.11			43.84
MW-01A	47.92	9/27/1999	9.67			38.28
MW-01A	47.92	10/29/1999	10.67			37.28
MW-01A	47.92	12/29/1999	10.00			37.95
MW-01A	47.92	2/4/2000	12.71			35.24
MW-01A	47.92	2/25/2000	9.10			38.85
MW-01A	47.92	3/27/2000	7.38			40.57
MW-01A	47.92	4/7/2000	7.00			40.95
MW-01A	47.92	5/31/2000	7.15			40.8
MW-01A	47.92	6/1/2000	7.00			40.95
MW-01A	47.92	7/28/2000	7.11			40.84
MW-01A	47.92	8/30/2000	10.33			37.62
MW-01A	47.92	9/19/2000	11.56			36.39
MW-01A	47.92	10/27/2000	9.01			38.94
MW-01A	47.92	11/21/2000	8.49			39.46
MW-01A	47.92	5/1/2001	6.60			41.35
MW-01A	47.92	10/1/2001	6.85			41.1
MW-01A	47.92	3/11/2002	3.31			44.64
MW-01A	47.92	9/23/2002	3.23			44.72
MW-01A	47.92	3/10/2003	2.48			45.44
MW-01A	47.92	9/23/2003	4.29			43.63
MW-01A	47.92	3/15/2004	3.49			44.43
MW-01A	47.92	9/13/2004	8.26			39.66
MW-01A	47.92	7/18/2005	3.73			44.19
MW-01A	47.92	1/4/2006	8.54			39.38

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-01A	47.92	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-01A	47.85	1/3/2023	3.32			44.53
MW-01A	47.85	7/5/2023	7.53			40.32
MW-02	47.97	9/2/1993	7.45			40.58
MW-02	47.97	12/21/1993	2.58			45.45
MW-02	47.97	3/24/1994	4.08			43.95
MW-02	47.97	6/22/1994	5.85			42.18
MW-02	47.97	9/28/1994	7.05			40.98
MW-02	47.97	10/13/1994	7.69			40.34
MW-02	47.97	1/24/1995	2.12			45.91
MW-02	47.97	4/11/1995	2.53			45.5
MW-02	47.97	7/11/1995	5.34			42.69
MW-02	47.97	1/23/1996	5.69			42.34
MW-02	47.97	7/19/1996	8.28			39.75
MW-02	47.97	9/17/1996	8.84			39.19
MW-02	47.97	10/31/1996	7.11			40.92
MW-02	47.97	11/22/1996	8.99			39.04
MW-02	47.97	12/27/1996	5.42			42.61
MW-02	47.97	1/22/1997	3.08			44.95
MW-02	47.97	2/21/1997	2.60			45.43
MW-02	47.97	3/25/1997	2.98			45.05
MW-02	47.97	4/23/1997	4.60			43.43
MW-02	47.97	4/24/1997	4.78			43.25
MW-02	47.97	5/13/1997	2.89			45.14
MW-02	47.97	6/20/1997	5.45			42.58
MW-02	47.97	6/25/1997	2.59			45.44
MW-02	47.97	7/1/1997	4.48			43.55
MW-02	47.97	7/24/1997	7.42			40.61
MW-02	47.97	8/16/1997	8.42			39.61
MW-02	47.97	8/22/1997	9.20			38.83
MW-02	47.97	9/25/1997	4.53			43.5
MW-02	47.97	10/22/1997	4.95			43.08
MW-02	47.97	11/25/1997	4.97			43.06
MW-02	47.97	12/19/1997	4.33			43.7
MW-02	47.97	1/20/1998	3.05			44.98
MW-02	47.97	3/3/1998	2.88			45.15
MW-02	47.97	3/18/1998	2.66			45.37
MW-02	47.97	4/24/1998	7.09			40.94
MW-02	47.97	5/21/1998	7.00			41.03
MW-02	47.97	7/30/1998	8.11			39.92
MW-02	47.97	8/25/1998	7.33			40.7

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-03	48.34	7/16/2008	7.96			40.38
MW-03	48.34	2/4/2009	7.18			41.16
MW-03	48.34	7/24/2009	7.63			40.71
MW-03	48.34	1/8/2010	5.06			43.28
MW-03	48.34	7/12/2010	3.86			44.48
MW-03	48.34	1/12/2011	3.71			44.63
MW-03	48.34	7/12/2011	6.42			41.92
MW-03	48.34	1/26/2012	NM			
MW-03	48.34	7/9/2012	4.06			44.28
MW-03	48.34	1/7/2013	5.09			43.25
MW-03	48.34	7/22/2013	8.24			40.1
MW-03	48.34	1/7/2014	8.09			40.25
MW-03	48.34	7/15/2014	8.78			39.56
MW-03	48.34	1/5/2015	7.06			41.28
MW-03	48.34	2/11/2018	5.29			43.05
MW-03	48.34	3/11/2018	5.72			42.62
MW-03	48.34	5/14/2018	5.61			42.73
MW-03	48.34	7/2/2018	5.93			42.41
MW-03	48.34	1/3/2019	5.03			43.31
MW-03	48.34	7/9/2019	5.57			42.77
MW-03	48.34	1/8/2020	3.06			45.28
MW-03	48.34	7/8/2020	6.08			42.26
MW-03	48.34	1/6/2021	2.71			45.63
MW-03	48.34	7/13/2021	2.51			45.83
MW-03	48.34	1/4/2022	5.06			43.28
MW-03	48.34	7/6/2022	6.72			41.62
MW-03	48.34	1/4/2023	2.19			46.15
MW-03	48.34	7/6/2023	4.36			43.98
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-05	49.24	1/24/1995	1.36			47.88
MW-05	49.24	4/11/1995	3.90			45.34
MW-05	49.24	7/11/1995	5.33			43.91
MW-05	49.24	1/23/1996	7.42			41.82
MW-05	49.24	7/19/1996	8.61			40.63
MW-05	49.24	9/17/1996	9.01			40.23
MW-05	49.24	10/31/1996	7.84			41.4
MW-05	49.24	11/22/1996	9.68			39.56
MW-05	49.24	12/27/1996	7.66			41.58
MW-05	49.24	1/22/1997	5.89			43.35
MW-05	49.24	2/21/1997	4.45			44.79
MW-05	49.24	3/25/1997	4.65			44.59
MW-05	49.24	4/23/1997	5.53			43.71
MW-05	49.24	4/24/1997	5.68			43.56
MW-05	49.24	5/13/1997	4.39			44.85
MW-05	49.24	6/20/1997	5.67			43.57
MW-05	49.24	6/25/1997	3.97			45.27
MW-05	49.24	7/1/1997	5.06			44.18
MW-05	49.24	7/24/1997	7.46			41.78
MW-05	49.24	8/16/1997	8.57			40.67
MW-05	49.24	8/22/1997	9.20			40.04
MW-05	49.24	9/25/1997	7.28			41.96
MW-05	49.24	10/22/1997	6.70			42.54
MW-05	49.24	11/25/1997	6.70			42.54
MW-05	49.24	12/19/1997	6.26			42.98
MW-05	49.24	1/20/1998	5.05			44.19
MW-05	49.24	3/4/1998	4.54			44.7
MW-05	49.24	3/18/1998	4.36			44.88
MW-05	49.24	4/24/1998	7.67			41.57
MW-05	49.24	5/21/1998	8.80			40.44
MW-05	49.24	7/30/1998	9.90			39.34
MW-05	49.24	8/25/1998	8.86			40.38
MW-05	49.24	9/21/1998	6.59			42.65
MW-05	49.24	10/26/1998	7.77			41.47
MW-05	49.24	11/23/1998	5.79			43.45
MW-05	49.24	1/29/1999	4.88			44.36
MW-05	49.24	2/26/1999	4.96			44.28
MW-05	49.24	3/16/1999	5.81			43.43
MW-05	49.24	4/29/1999	5.91			43.33
MW-05	49.24	6/1/1999	5.99			43.25
MW-05	49.24	7/30/1999	7.00			42.24
MW-05	49.24	8/27/1999	6.13			43.11
MW-05	49.24	9/27/1999	10.17			39.07
MW-05	49.24	10/29/1999	11.65			37.59
MW-05	49.24	12/29/1999	10.90			38.34
MW-05	49.24	2/4/2000	13.77			35.47
MW-05	49.24	2/25/2000	9.46			39.78
MW-05	49.24	3/27/2000	8.62			40.62
MW-05	49.24	4/7/2000	8.20			41.04
MW-05	49.24	5/31/2000	8.26			40.98
MW-05	49.24	6/1/2000	8.21			41.03
MW-05	49.24	7/28/2000	8.26			40.98
MW-05	49.24	8/30/2000	11.33			37.91
MW-05	49.24	9/19/2000	12.33			36.91
MW-05	49.24	10/27/2000	9.94			39.3
MW-05	49.24	11/21/2000	9.21			40.03
MW-05	49.24	5/1/2001	7.47			41.77
MW-05	49.24	10/1/2001	7.79			41.45
MW-05	49.24	3/11/2002	4.92			44.32
MW-05	49.24	9/23/2002	4.76			44.48
MW-05	49.24	3/10/2003	3.77			45.47
MW-05	49.24	9/23/2003	4.61			44.63
MW-05	49.24	3/15/2004	4.22			45.02
MW-05	49.24	9/13/2004	8.58			40.66
MW-05	49.24	7/18/2005	5.61			43.63
MW-05	49.24	1/4/2006	9.76			39.48
MW-05	49.24	7/27/2006	4.85			44.39
MW-05	49.24	3/7/2007	5.94			43.3
MW-05	49.24	7/27/2007	4.53			44.71
MW-05	49.24	1/29/2008	3.71			45.53
MW-05	49.24	7/15/2008	7.77			41.47
MW-05	49.24	2/4/2009	8.33			40.91

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-05	49.24	7/24/2009	8.67			40.57
MW-05	49.24	1/8/2010	6.06			43.18
MW-05	49.24	7/12/2010	4.86			44.38
MW-05	49.24	1/12/2011	5.06			44.18
MW-05	49.24	7/12/2011	10.96			38.28
MW-05	49.24	2/2/2012	4.9			44.34
MW-05	49.24	7/9/2012	4.61			44.63
MW-05	49.24	1/7/2013	7.58			41.66
MW-05	49.24	7/22/2013	10.44			38.8
MW-05	49.24	1/7/2014	6.92			42.32
MW-05	49.24	7/16/2014	8.46			40.78
MW-05	49.24	1/5/2015	5.96			43.28
MW-05	49.24	8/10/2015	4.13			45.11
MW-05	49.24	1/13/2016	3.76			45.48
MW-05	49.24	7/7/2016	3.94			45.30
MW-05	49.24	1/12/2017	4.31			44.93
MW-05	49.24	7/6/2017	4.84			44.40
MW-05	49.24	9/5/2017	4.71			44.53
MW-05	49.24	2/11/2018	5.56			43.68
MW-05	49.24	3/11/2018	5.98			43.26
MW-05	49.24	5/14/2018	6.57			42.67
MW-05	49.24	7/2/2018	6.83			42.41
MW-05	49.24	1/3/2019	6.07			43.17
MW-05	49.24	7/9/2019	6.56			42.68
MW-05	49.24	1/7/2020	4.69			44.55
MW-05	49.24	7/8/2020	6.11			43.13
MW-05	49.24	1/6/2021	4.2			45.04
MW-05	49.24	7/13/2021	2.89			46.35
MW-05	49.24	1/4/2022	5.13			44.11
MW-05	49.24	7/6/2022	7.22			42.02
MW-05	49.24	1/4/2023	4.72			44.52
MW-05	49.24	7/6/2023	6.31			42.93
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-08	49.33	1/24/1995	4.15			45.22
MW-08	49.33	4/11/1995	4.02			45.35
MW-08	49.33	7/11/1995	5.95			43.42
MW-08	49.33	1/23/1996	7.20			42.17
MW-08	49.33	7/19/1996	9.06			40.31
MW-08	49.33	9/17/1996	9.51			39.86
MW-08	49.33	10/31/1996	7.99			41.38
MW-08	49.33	11/22/1996	9.98			39.39
MW-08	49.33	12/27/1996	7.24			42.13
MW-08	49.33	1/22/1997	5.25			44.12
MW-08	49.33	2/21/1997	4.21			45.16
MW-08	49.33	3/25/1997	4.48			44.89
MW-08	49.33	4/23/1997	5.61			43.76
MW-08	49.33	4/24/1997	5.76			43.61
MW-08	49.33	5/13/1997	4.45			44.92
MW-08	49.33	6/20/1997	6.09			43.28
MW-08	49.33	6/25/1997	4.56			44.81
MW-08	49.33	7/1/1997	5.06			44.31
MW-08	49.33	7/24/1997	7.97			41.4
MW-08	49.33	8/16/1997	8.05			41.32
MW-08	49.33	8/22/1997	9.73			39.64
MW-08	49.33	9/25/1997	7.57			41.8
MW-08	49.33	10/22/1997	6.43			42.94
MW-08	49.33	11/25/1997	6.48			42.89
MW-08	49.33	12/19/1997	5.22			44.15
MW-08	49.33	1/20/1998	4.70			44.67
MW-08	49.33	3/4/1998	4.38			44.99
MW-08	49.33	3/18/1998	4.18			45.19
MW-08	49.33	4/24/1998	8.00			41.37
MW-08	49.33	5/21/1998	8.45			40.92
MW-08	49.33	7/30/1998	9.33			40.04
MW-08	49.33	8/25/1998	8.46			40.91
MW-08	49.33	9/21/1998	6.31			43.06
MW-08	49.33	10/26/1998	7.66			41.71
MW-08	49.33	11/23/1998	5.96			43.41
MW-08	49.33	1/29/1999	4.80			44.57
MW-08	49.33	2/26/1999	4.89			44.48
MW-08	49.33	3/16/1999	5.45			43.92
MW-08	49.33	4/29/1999	5.66			43.71
MW-08	49.33	6/1/1999	5.66			43.71
MW-08	49.33	7/30/1999	7.20			42.17
MW-08	49.33	8/27/1999	5.85			43.52
MW-08	49.33	9/27/1999	10.78			38.59
MW-08	49.33	10/29/1999	11.76			37.61
MW-08	49.33	12/29/1999	11.03			38.34
MW-08	49.33	2/4/2000	14.66			34.71
MW-08	49.33	2/25/2000	10.33			39.04
MW-08	49.33	3/27/2000	8.75			40.62
MW-08	49.33	4/7/2000	8.37			41
MW-08	49.33	5/31/2000	8.40			40.97
MW-08	49.33	6/1/2000	8.36			41.01
MW-08	49.33	7/28/2000	8.40			40.97
MW-08	49.33	8/30/2000	11.29			38.08
MW-08	49.33	9/19/2000	12.82			36.55
MW-08	49.33	10/27/2000	12.63			36.74
MW-08	49.33	11/21/2000	9.64			39.73
MW-08	49.33	5/1/2001	7.83			41.54
MW-08	49.33	10/1/2001	8.05			41.32
MW-08	49.33	3/11/2002	4.75			44.62
MW-08	49.33	9/23/2002	4.69			44.68
MW-08	49.33	3/10/2003	3.84			45.49
MW-08	49.33	9/23/2003	4.73			44.6
MW-08	49.33	3/15/2004	4.31			45.02
MW-08	49.33	9/13/2004	9.31			40.02
MW-08	49.33	7/18/2005	5.32			44.01
MW-08	49.33	1/4/2006	10.63			38.7
MW-08	49.33	7/27/2006	4.79			44.54
MW-08	49.33	1/22/2007	3.81			45.52
MW-08	49.33	3/7/2007	3.96			45.37
MW-08	49.33	7/27/2007	5.06			44.27
MW-08	49.33	1/29/2008	3.71			45.62
MW-08	49.33	7/16/2008	8.32			41.01

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-08	49.33	1/22/2009	7.71			41.62
MW-08	49.33	7/24/2009	NM			
MW-08	49.33	1/8/2010	4.17			45.16
MW-08	49.33	7/12/2010	4.96			44.37
MW-08	49.33	1/12/2011	5.32			44.01
MW-08	49.33	7/12/2011	11.24			38.09
MW-08	49.33	1/27/2012	4.68			44.65
MW-08	49.33	7/10/2013	11.07			38.26
MW-08	49.33	1/8/2014	6.87			42.46
MW-08	49.33	7/3/2014	8.16			41.17
MW-08	49.33	1/7/2015	3.82			45.51
MW-08	49.33	8/10/2015	5.06			44.27
MW-08	49.33	1/12/2016	3.87			45.46
MW-08	49.33	7/7/2016	6.44			42.89
MW-08	49.33	1/12/2017	5.82			43.51
MW-08	49.33	7/12/2017	7.92			41.41
MW-08	49.33	1/3/2018	8.02			41.31
MW-08	49.33	7/19/2018	7.22			42.11
MW-08	49.33	1/3/2019	7.52			41.81
MW-08	49.33	7/1/2019	3.98			45.35
MW-08	49.33	1/13/2020	4.45			44.88
MW-08	49.33	7/8/2020	6.59			42.74
MW-08	49.30	1/6/2021	4.09			45.21
MW-08	49.30	7/6/2021	3.52			45.78
MW-08	49.30	1/3/2022	5.38			43.92
MW-08	49.30	7/5/2022	7.78			41.52
MW-08	49.30	1/3/2023	4.91			44.39
MW-08	49.30	7/5/2023	7.81			41.49
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-10A	49.82	1/12/2011	5.72			44.10
MW-10A	49.82	7/12/2011	12.07			37.75
MW-10A	49.82	7/13/2011	11.96			37.86
MW-10A	49.82	1/27/2012	4.88			44.94
MW-10A	49.82	7/10/2013	12.07			37.75
MW-10A	49.82	1/8/2014	7.33			42.49
MW-10A	49.82	7/2/2014	8.92			40.90
MW-10A	49.82	1/7/2015	4.26			45.56
MW-10A	49.82	8/10/2015	6.02			43.80
MW-10A	49.83	1/12/2016	4.41			45.42
MW-10A	49.83	7/7/2016	7.36			42.47
MW-10A	49.83	1/12/2017	6.69			43.14
MW-10A	49.83	7/12/2017	8.23			41.60
MW-10A	49.83	1/3/2018	8.63			41.20
MW-10A	49.83	7/18/2018	7.97			41.86
MW-10A	49.83	1/3/2019	8.09			41.74
MW-10A	49.83	7/1/2019	4.69			45.14
MW-10A	49.83	1/14/2020	4.68			45.15
MW-10A	49.83	7/8/2020	7.46			42.37
MW-10A	49.91	1/6/2021	4.62			45.29
MW-10A	49.91	7/6/2021	3.96			45.95
MW-10A	49.91	1/3/2022	5.96			43.95
MW-10A	49.91	7/5/2022	8.92			40.99
MW-10A	49.91	1/3/2023	5.37			44.54
MW-10A	49.91	7/5/2023	8.83			41.08
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-11B	50.18	3/11/2002	5.80			44.39
MW-11B	50.18	9/23/2002	5.79			44.4
MW-11B	50.18	3/10/2003	4.85			45.33
MW-11B	50.18	9/23/2003	5.95			44.23
MW-11B	50.18	3/15/2004	5.16			45.02
MW-11B	50.18	9/13/2004	10.53			39.65
MW-11B	50.18	7/18/2005	5.45			44.73
MW-11B	50.18	1/4/2006	11.01			39.17
MW-11B	50.18	7/27/2006	5.26			44.92
MW-11B	50.18	1/23/2007	4.13			46.05
MW-11B	50.18	3/7/2007	4.42			45.76
MW-11B	50.18	7/27/2007	6.29			43.89
MW-11B	50.18	1/28/2008	4.69			45.49
MW-11B	50.18	7/16/2008	9.49			40.69
MW-11B	50.18	1/22/2009	8.72			41.46
MW-11B	50.18	7/24/2009	NM			
MW-11B	50.18	1/8/2010	5.15			45.03
MW-11B	50.18	7/12/2010	5.67			44.51
MW-11B	50.23	1/12/2011	6.37			43.86
MW-11B	50.23	7/12/2011	12.23			38.00
MW-11B	50.23	1/27/2012	5.38			44.85
MW-11B	50.23	7/10/2013	12.22			38.01
MW-11B	50.23	1/8/2014	7.82			42.41
MW-11B	50.23	7/2/2014	9.14			41.09
MW-11B	50.23	1/7/2015	4.79			45.44
MW-11B	50.23	8/10/2015	6.27			43.96
MW-11B	50.24	1/12/2016	4.99			45.25
MW-11B	50.24	7/7/2016	7.59			42.65
MW-11B	50.24	1/12/2017	8.54			41.70
MW-11B	50.24	7/12/2017	8.49			41.75
MW-11B	50.24	1/3/2018	9.04			41.20
MW-11B	50.24	7/18/2018	8.24			42.00
MW-11B	50.24	1/3/2019	8.57			41.67
MW-11B	50.24	7/1/2019	5.21			45.03
MW-11B	50.24	1/14/2020	5.3			44.94
MW-11B	50.24	7/8/2020	7.81			42.43
MW-11B	50.09	1/6/2021	5.21			44.88
MW-11B	50.09	7/6/2021	4.31			45.78
MW-11B	50.09	8/4/2021	7.94			42.15
MW-11B	50.09	1/3/2022	6.41			43.68
MW-11B	50.09	7/5/2022	9.14			40.95
MW-11B	50.09	1/3/2023	5.83			44.26
MW-11B	50.09	7/5/2023	9.02			41.07
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-12B	50.02	7/15/2008	9.38	38.88	6.92	40.64
MW-12B	50.02	2/4/2009	8.89	38.14	7.66	41.13
MW-12B	50.02	7/24/2009	9.18	38.51	7.29	40.84
MW-12B	50.02	1/8/2010	6.81	37.46	8.34	43.21
MW-12B	50.02	5/27/2010	7.29	39.5	6.30	42.73
MW-12B	50.02	6/28/2010	7.39	44.1	1.70	42.63
MW-12B	50.02	7/12/2010	7.47	44.25	1.55	42.55
MW-12B	50.02	8/31/2010	7.26	45.42	0.38	42.76
MW-12B	50.02	1/12/2011	7.01	45.39	0.41	43.01
MW-12B	50.02	7/12/2011	10.09	45.39	0.41	39.93
MW-12B	50.02	3/8/2012	6.87	40.2	5.60	43.15
MW-12B	50.02	7/9/2012	7.16	40.1	5.70	42.86
MW-12B	50.02	1/7/2013	9.17	39.86	5.94	40.85
MW-12B	50.02	7/22/2013	11.16	39.04	6.76	38.86
MW-12B	50.02	1/7/2014	11.34	45.12	0.68	38.68
MW-12B	50.02	7/15/2014	10.59	44.89	0.91	39.43
MW-12B	50.02	1/5/2015	10.06	44.91	1.29	39.96
MW-12B	50.02	8/10/2015	7.39	46.1	0.10	42.63
MW-12B	50.02	1/13/2016	6.06	45.79	0.41	43.96
MW-12B	50.02	7/6/2016	6.29	45.72	0.48	43.73
MW-12B	50.02	1/12/2017	7.02	45.81	0.39	43.00
MW-12B	50.02	7/6/2017	7.01	45.71	1.89	43.01
MW-12B	50.02	9/5/2017	7.03	45.6	2.00	42.99
MW-12B	50.02	2/7/2018	7.13	45.87	0.33	42.89
MW-12B	50.02	3/11/2018	7.42	45.96	0.24	42.6
MW-12B	50.02	5/14/2018	8.59	45.91	0.29	41.43
MW-12B	50.02	1/3/2019	7.96	45.87	0.33	42.06
MW-12B	50.02	7/9/2019	6.67	45.06	1.14	43.35
MW-12B	50.02	1/8/2020	5.66	27.12	19.08	44.36
MW-12B	50.02	7/8/2020	8.04	BP		41.98
MW-12B	50.02	1/6/2021	5.61	BP		44.41
MW-12B	50.02	7/13/2021	5.15	BP		44.87
MW-12B	50.02	1/4/2022	6.31	BP		43.71
MW-12B	50.02	7/6/2022	6.89	BP		43.13
MW-12B	50.02	1/4/2023	5.62	BP		44.4
MW-12B	50.02	7/6/2023	10.02	BP		40
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-12C	50.14	11/21/2000	29.12			21.02
MW-12C	50.14	5/1/2001	26.85			23.29
MW-12C	50.14	10/1/2001	26.85			23.29
MW-12C	50.14	3/11/2002	25.59			24.55
MW-12C	50.14	9/23/2002	26.57			23.57
MW-12C	50.14	3/10/2003	24.85			25.29
MW-12C	50.14	9/23/2003	26.06			24.08
MW-12C	50.14	3/15/2004	24.31			25.83
MW-12C	50.14	9/13/2004	26.15			23.99
MW-12C	50.14	7/18/2005	26.23			23.91
MW-12C	50.14	1/4/2006	22.26			27.88
MW-12C	50.14	7/27/2006	25.28			24.86
MW-12C	50.14	3/7/2007	23.78			26.36
MW-12C	50.14	7/27/2007	22.05			28.09
MW-12C	50.14	1/30/2008	22.69			27.45
MW-12C	50.14	7/15/2008	24.41			25.73
MW-12C	50.14	2/4/2009	24.59			25.55
MW-12C	50.14	7/24/2009	24.91			25.23
MW-12C	50.14	1/8/2010	23.03			27.11
MW-12C	50.14	7/12/2010	23.91			26.23
MW-12C	50.14	1/12/2011	23.76			26.38
MW-12C	50.14	7/12/2011	25.98			24.16
MW-12C	50.14	1/26/2012	25.76			24.38
MW-12C	50.14	7/9/2012	24.59			25.55
MW-12C	50.14	1/7/2013	26.04			24.1
MW-12C	50.14	7/22/2013	27.09			23.05
MW-12C	50.14	1/7/2014	26.52			23.62
MW-12C	50.14	7/16/2014	25.15			24.99
MW-12C	50.14	1/5/2015	26.01			24.13
MW-12C	50.14	8/10/2015	24.26			25.88
MW-12C	50.14	1/13/2016	23.83			26.31
MW-12C	50.14	7/6/2016	24.13			26.01
MW-12C	50.14	1/12/2017	24.49			25.65
MW-12C	50.14	7/6/2017	24.88			25.26
MW-12C	50.14	9/5/2017	24.84			25.30
MW-12C	50.14	2/11/2018	25.13			25.01
MW-12C	50.14	3/11/2018	24.04			26.1
MW-12C	50.14	4/14/2018	25.96			24.18
MW-12C	50.14	1/3/2019	25.34			24.8
MW-12C	50.14	7/9/2019	23.73			26.41
MW-12C	50.14	1/7/2020	24.61			25.53
MW-12C	50.14	7/8/2020	24.38			25.76
MW-12C	50.14	1/6/2021	23.01			27.13
MW-12C	50.14	7/13/2021	22.39			27.75
MW-12C	50.14	1/4/2022	23.73			26.41
MW-12C	50.14	7/6/2022	26.42			23.72
MW-12C	50.14	1/4/2023	25.82			24.32
MW-12C	50.14	7/6/2023	25.88			24.26
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-15A	50.41	7/16/2014	10.65			39.76
MW-15A	50.41	1/5/2015	9.07			41.34
MW-15A	50.41	8/10/2015	6.49			43.92
MW-15A	50.41	1/13/2016	5.79			44.62
MW-15A	50.41	7/6/2016	6.21			44.20
MW-15A	50.41	1/12/2017	6.82			43.59
MW-15A	50.41	7/6/2017	7.47			42.94
MW-15A	50.41	9/5/2017	7.43			42.98
MW-15A	50.41	2/11/2018	8.89			41.52
MW-15A	50.41	3/11/2018	9.23			41.18
MW-15A	50.41	5/14/2018	10.18			40.23
MW-15A	50.41	1/3/2019	9.41			41
MW-15A	50.41	7/9/2019	9.03			41.38
MW-15A	50.41	1/7/2020	8.57			41.84
MW-15A	50.41	7/7/2020	9.41			41.00
MW-15A	50.41	1/6/2021	8.2			42.21
MW-15A	50.41	7/13/2021	6.72			43.69
MW-15A	50.41	1/4/2022	9.09			41.32
MW-15A	50.41	7/6/2022	10.27			40.14
MW-15A	50.41	1/4/2023	9.29			41.12
MW-15A	50.41	7/6/2023	9.93			40.48
MW-15B	50.20	1/26/2012	10.13			40.07
MW-15B	50.20	7/9/2012	8.32			41.88
MW-15B	50.20	1/7/2013	10.71			39.49
MW-15B	50.20	7/22/2013	11.97			38.23
MW-15B	50.20	1/7/2014	9.81			40.39
MW-15B	50.20	7/15/2014	10.36			39.84
MW-15B	50.20	1/5/2015	9.26			40.94
MW-15B	50.20	8/10/2015	7.29			42.91
MW-15B	50.20	1/13/2016	6.81			43.39
MW-15B	50.20	7/6/2016	7.56			42.64
MW-15B	50.20	1/12/2017	8.09			42.11
MW-15B	50.20	7/6/2017	8.61			41.59
MW-15B	50.20	9/5/2017	8.56			41.64
MW-15B	50.20	2/11/2018	8.74			41.46
MW-15B	50.20	3/11/2018	9.09			41.11
MW-15B	50.20	5/14/2018	9.91			40.29
MW-15B	50.20	1/3/2019	9.4			40.8
MW-15B	50.20	7/9/2019	9.23			40.97
MW-15B	50.20	1/7/2020	8.39			41.81
MW-15B	50.20	7/7/2020	9.15			41.05
MW-15B	50.20	1/6/2021	8.2			42.00
MW-15B	50.20	7/13/2021	6.54			43.66
MW-15B	50.20	1/4/2022	18.89			31.31
MW-15B	50.20	7/6/2022	10.84			39.36
MW-15B	50.20	1/4/2023	9.09			41.11
MW-15B	50.20	7/6/2023	9.73			40.47
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-17	50.92	1/8/2010	10.62			40.3
MW-17	50.92	7/12/2010	12.96			37.96
MW-17	50.92	7/12/2010	12.96			37.96
MW-17	50.92	1/12/2011	11.06			39.86
MW-17	50.92	7/12/2011	14.93			35.99
MW-17	50.92	1/26/2012	11.2			39.72
MW-17	50.92	7/9/2012	11.02			39.9
MW-17	50.92	1/7/2013	13.14			37.78
MW-17	50.92	7/22/2013	14.62			36.3
MW-17	50.92	1/7/2014	12.36			38.56
MW-17	50.92	7/15/2014	12.54			38.38
MW-17	50.92	1/5/2015	11.71			39.21
MW-17	50.92	8/10/2015	9.61			41.31
MW-17	50.92	1/13/2016	9.02			41.90
MW-17	50.92	7/6/2016	9.47			41.45
MW-17	50.92	1/12/2017	10.06			40.86
MW-17	50.92	7/6/2017	10.62			40.30
MW-17	50.92	9/5/2017	10.51			40.41
MW-17	50.92	2/11/2018	10.76			40.16
MW-17	50.92	3/11/2018	11.21			39.71
MW-17	50.92	5/14/2018	12.21			38.71
MW-17	50.92	1/3/2019	11.72			39.2
MW-17	50.92	7/9/2019	11.66			39.26
MW-17	50.92	1/7/2020	8.23			42.69
MW-17	50.92	7/7/2020	11.3			39.62
MW-17	50.92	1/6/2021	10.45			40.47
MW-17	50.92	7/13/2021	8.84			42.08
MW-17	50.92	1/4/2022	11.21			39.71
MW-17	50.92	7/6/2022	12.09			38.83
MW-17	50.92	1/4/2023	10.82			40.1
MW-17	50.92	7/6/2023	11.61			39.31
MW-17C	50.17	3/15/2004	22.75			27.42
MW-17C	50.17	9/13/2004	24.56			25.61
MW-17C	50.17	7/18/2005	25.02			25.15
MW-17C	50.17	1/4/2006	26.07			24.1
MW-17C	50.17	7/27/2006	24.15			26.02
MW-17C	50.17	3/7/2007	22.51			27.66
MW-17C	50.17	7/27/2007	20.93			29.24
MW-17C	50.17	1/30/2008	21.74			28.43
MW-17C	50.17	7/15/2008	23.65			26.52
MW-17C	50.17	2/4/2009	23.72			26.45
MW-17C	50.17	7/23/2009	24.08			26.09
MW-17C	50.17	1/8/2010	21.98			28.19
MW-17C	50.17	7/12/2010	23.03			27.14
MW-17C	50.17	1/12/2011	23.16			27.01
MW-17C	50.17	7/12/2011	25.11			25.06
MW-17C	50.17	1/26/2012	24.27			25.9
MW-17C	50.17	7/9/2012	24.32			25.85
MW-17C	50.17	1/7/2013	24.76			25.41
MW-17C	50.17	7/22/2013	25.89			24.28
MW-17C	50.17	1/7/2014	25.06			25.11
MW-17C	50.17	7/15/2014	23.98			26.19
MW-17C	50.17	1/5/2015	24.62			25.55
MW-17C	50.17	8/10/2015	22.47			27.70
MW-17C	50.17	1/13/2016	21.81			28.36
MW-17C	50.17	7/6/2016	22.16			28.01
MW-17C	50.17	1/12/2017	22.67			27.50
MW-17C	50.17	7/6/2017	23.09			27.08
MW-17C	50.17	9/5/2017	23.01			27.16
MW-17C	50.17	2/11/2018	23.11			27.06
MW-17C	50.17	3/11/2018	22.21			27.96
MW-17C	50.17	5/14/2018	23.02			27.15
MW-17C	50.17	1/3/2019	22.71			27.46
MW-17C	50.17	7/9/2019	22.14			28.03
MW-17C	50.17	1/7/2020	23.21			26.96
MW-17C	50.17	7/7/2020	22.88			27.29
MW-17C	50.17	1/6/2021	22.18			27.99
MW-17C	50.17	7/13/2021	20.5			29.67
MW-17C	50.17	1/4/2022	22.11			28.06
MW-17C	50.17	7/6/2022	24.34			25.83
MW-17C	50.17	1/4/2023	23.56			26.61
MW-17C	50.17	7/6/2023	23.77			26.4

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-18A	51.57	9/5/2017	15.49			36.08
MW-18A	51.57	2/11/2018	16.62			34.95
MW-18A	51.57	3/11/2018	17.12			34.45
MW-18A	51.57	5/14/2018	17.71			33.86
MW-18A	51.57	1/3/2019	17.52			34.05
MW-18A	51.57	7/9/2019	17.51			34.06
MW-18A	51.57	1/7/2020	17.71			33.86
MW-18A	51.57	7/7/2020	16.45			35.12
MW-18A	51.57	1/6/2021	11.31			40.26
MW-18A	51.57	7/13/2021	13.22			38.35
MW-18A	51.57	1/4/2022	16.92			34.65
MW-18A	51.57	7/6/2022	16.62			34.95
MW-18A	51.57	1/4/2023	14.56			37.01
MW-18A	51.57	7/6/2023	16.53			35.04
MW-18C	51.47	5/13/1997	29.45			22.02
MW-18C	51.47	6/20/1997	30.37			21.1
MW-18C	51.47	9/25/1997	31.53			19.94
MW-18C	51.47	10/22/1997	30.71			20.76
MW-18C	51.47	11/25/1997	30.75			20.72
MW-18C	51.47	12/19/1997	30.10			21.37
MW-18C	51.47	1/20/1998	28.30			23.17
MW-18C	51.47	3/4/1998	27.03			24.44
MW-18C	51.47	3/18/1998	26.81			24.66
MW-18C	51.47	4/9/1998	27.04			24.43
MW-18C	51.47	4/16/1998	27.03			24.44
MW-18C	51.47	4/24/1998	27.25			24.22
MW-18C	51.47	5/8/1998	NM			
MW-18C	51.47	5/12/1998	NM			
MW-18C	51.47	5/21/1998	27.68			23.79
MW-18C	51.47	5/25/1998	NM			
MW-18C	51.47	6/9/1998	NM			
MW-18C	51.47	6/16/1998	NM			
MW-18C	51.47	6/26/1998	NM			
MW-18C	51.47	7/2/1998	NM			
MW-18C	51.47	7/10/1998	NM			
MW-18C	51.47	7/14/1998	NM			
MW-18C	51.47	7/23/1998	NM			
MW-18C	51.47	7/30/1998	28.40			23.07
MW-18C	51.47	8/5/1998	NM			
MW-18C	51.47	8/13/1998	NM			
MW-18C	51.47	8/25/1998	28.88			22.59
MW-18C	51.47	9/15/1998	NM			
MW-18C	51.47	9/21/1998	27.94			23.53
MW-18C	51.47	9/30/1998	NM			
MW-18C	51.47	10/8/1998	NM			
MW-18C	51.47	10/16/1998	NM			
MW-18C	51.47	10/26/1998	27.62			23.85
MW-18C	51.47	11/6/1998	NM			
MW-18C	51.47	11/11/1998	26.85		0.67	24.62
MW-18C	51.47	11/19/1998	NM			
MW-18C	51.47	11/23/1998	26.21			25.26
MW-18C	51.47	12/16/1998	NM			
MW-18C	51.47	1/7/1999	NM			
MW-18C	51.47	1/15/1999	NM			
MW-18C	51.47	1/22/1999	NM			
MW-18C	51.47	1/26/1999	NM			
MW-18C	51.47	1/29/1999	25.36			26.11
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-19C	53.05	4/7/2000	28.40			24.65
MW-19C	53.05	5/31/2000	28.44			24.61
MW-19C	53.05	6/1/2000	28.33			24.72
MW-19C	53.05	7/28/2000	28.37			24.68
MW-19C	53.05	8/30/2000	29.99			23.06
MW-19C	53.05	9/19/2000	30.97			22.08
MW-19C	53.05	10/27/2000	28.49			24.56
MW-19C	53.05	11/21/2000	29.88			23.17
MW-19C	53.05	5/1/2001	27.61	71.55	3.56	25.44
MW-19C	53.05	10/1/2001	27.84			25.21
MW-19C	53.05	3/11/2002	26.68			26.37
MW-19C	53.05	9/23/2002	27.66			25.39
MW-19C	53.05	3/10/2003	25.77			27.28
MW-19C	53.05	9/23/2003	27.21			25.84
MW-19C	53.05	3/15/2004	25.36			27.69
MW-19C	53.05	9/13/2004	27.20			25.85
MW-19C	53.05	7/18/2005	27.71			25.34
MW-19C	53.05	1/4/2006	28.78			24.27
MW-19C	53.05	7/27/2006	26.91			26.14
MW-19C	53.05	3/7/2007	25.22			27.83
MW-19C	53.05	7/27/2007	23.71			29.34
MW-19C	53.05	1/31/2008	24.57			28.48
MW-19C	53.05	7/15/2008	26.38			26.67
MW-19C	53.05	2/4/2009	26.44			26.61
MW-19C	53.05	7/23/2009	26.81			26.24
MW-19C	53.05	1/9/2010	24.47			28.58
MW-19C	53.05	7/12/2010	25.67			27.38
MW-19C	53.05	1/12/2011	25.86			27.19
MW-19C	53.05	7/12/2011	27.81			25.24
MW-19C	53.05	1/26/2012	26.74			26.31
MW-19C	53.05	7/9/2012	27.26			25.79
MW-19C	53.05	1/7/2013	27.73			25.32
MW-19C	53.05	7/22/2013	28.58			24.47
MW-19C	53.05	1/7/2014	27.71			25.34
MW-19C	53.05	7/15/2014	26.65			26.40
MW-19C	53.05	1/5/2015	27.34			25.71
MW-19C	53.05	8/10/2015	25.21			27.84
MW-19C	53.05	1/13/2016	24.68			28.37
MW-19C	53.05	7/6/2016	NM			
MW-19C	53.05	2/11/2018	21.74			31.31
MW-19C	53.05	3/11/2018	24.74			28.31
MW-19C	53.05	5/14/2018	25.72			27.33
MW-19C	53.05	1/3/2019	25.03			28.02
MW-19C	53.05	7/9/2019	24.58			28.47
MW-19C	53.05	1/8/2020	25.71			27.34
MW-19C	53.05	7/7/2020	25.55			27.50
MW-19C	53.05	1/4/2021	24.84			28.21
MW-19C	53.05	7/13/2021	23.11			29.94
MW-19C	53.05	1/4/2022	24.81			28.24
MW-19C	53.05	7/6/2022	26.88			26.17
MW-19C	53.05	1/4/2023	26.11			26.94
MW-19C	53.05	7/6/2023	26.36			26.69
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-21C	49.05	9/23/2002	25.50			23.553
MW-21C	49.05	3/10/2003	23.82			25.233
MW-21C	49.05	9/23/2003	25.08			23.973
MW-21C	49.05	3/15/2004	23.48			25.573
MW-21C	49.05	9/13/2004	25.44			23.613
MW-21C	49.05	7/18/2005	25.33			23.723
MW-21C	49.05	1/4/2006	26.44			22.613
MW-21C	49.05	7/27/2006	24.55			24.503
MW-21C	49.05	3/7/2007	22.91			26.143
MW-21C	49.05	7/27/2007	21.29			27.763
MW-21C	49.05	1/29/2008	22.09			26.963
MW-21C	49.05	7/15/2008	23.31			25.743
MW-21C	49.05	2/4/2009	24.03			25.023
MW-21C	49.05	7/24/2009	24.29			24.763
MW-21C	49.05	1/9/2010	21.89			27.163
MW-21C	49.05	7/12/2010	23.01			26.043
MW-21C	49.05	1/12/2011	23.21			25.843
MW-21C	49.05	7/12/2011	25.09			23.963
MW-21C	49.05	1/26/2012	24.48			24.573
MW-21C	49.05	7/9/2012	23.39			25.663
MW-21C	49.05	1/7/2013	25.17			23.883
MW-21C	49.05	7/22/2013	26.49			22.563
MW-21C	49.05	1/7/2014	25.94			23.113
MW-21C	49.05	7/15/2014	24.61			24.44
MW-21C	49.05	1/5/2015	25.31			23.74
MW-21C	49.05	8/10/2015	23.37			25.68
MW-21C	49.05	1/13/2016	22.71			26.34
MW-21C	49.05	7/6/2016	23.04			26.01
MW-21C	49.05	1/12/2017	23.59			25.46
MW-21C	49.05	7/6/2017	24.02			25.03
MW-21C	49.05	9/5/2017	23.96			25.09
MW-21C	49.05	2/11/2018	24.08			24.97
MW-21C	49.05	3/11/2018	23.07			25.98
MW-21C	49.05	5/14/2018	23.97			25.08
MW-21C	49.05	1/3/2019	23.17			25.88
MW-21C	49.05	7/9/2019	23.11			25.943
MW-21C	49.05	1/7/2020	23.46			25.59
MW-21C	49.05	7/8/2020	23.36			25.69
MW-21C	49.05	1/6/2021	22.41			26.64
MW-21C	49.05	7/13/2021	20.62			28.43
MW-21C	49.05	1/4/2022	22.71			26.34
MW-21C	49.05	7/6/2022	25.33			23.72
MW-21C	49.05	1/4/2023	24.33			24.72
MW-21C	49.05	7/6/2023	24.78			24.27
MW-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-22A	46.07	9/23/2003	2.30			43.769
MW-22A	46.07	3/15/2004	2.05			44.019
MW-22A	46.07	9/14/2004	6.89			39.179
MW-22A	46.07	7/18/2005	3.65			42.419
MW-22A	46.07	1/6/2006	7.29			38.779
MW-22A	46.07	7/27/2006	1.65			44.419
MW-22A	46.07	3/7/2007	NM			
MW-22A	46.07	7/27/2007	2.84			43.229
MW-22A	46.07	1/29/2008	1.05			45.019
MW-22A	46.07	7/14/2008	5.33			40.739
MW-22A	46.07	2/3/2009	5.24			40.829
MW-22A	46.07	7/23/2009	5.91			40.159
MW-22A	46.07	1/9/2010	1.32			44.749
MW-22A	46.07	7/12/2010	6.52			39.549
MW-22A	46.07	1/12/2011	3.21			42.859
MW-22A	46.07	7/11/2011	8.39			37.679
MW-22A	46.07	1/27/2012	0.98			45.089
MW-22A	46.07	7/10/2012	1.74			44.326
MW-22A	46.07	1/8/2013	3.09			42.979
MW-22A	46.07	7/22/2013	NM			
MW-22A	46.07	1/7/2014	3.81			42.26
MW-22A	46.07	7/15/2014	3.22			42.85
MW-22A	46.07	1/5/2015	NM			
MW-22A	46.07	8/10/2015	NM			
MW-22A	46.07	1/13/2016	NM			
MW-22A	46.07	7/6/2016	NM			
MW-22A	46.07	1/12/2017	NM			
MW-22A	46.07	7/6/2017	NM			
MW-22A	46.07	9/5/2017	NM	REPLACED		
MW-22AR	45.56	2/11/2018	3.43			42.13
MW-22AR	45.56	3/11/2018	2.24			43.32
MW-22AR	45.56	5/14/2018	4.41			41.15
MW-22AR	45.56	7/2/2018	4.48			41.08
MW-22AR	45.56	1/3/2019	3.67			41.89
MW-22AR	45.56	7/9/2019	3.96			41.60
MW-22AR	45.56	2/10/2020	1.55			44.01
MW-22AR	45.56	7/7/2020	1.79			43.77
MW-22AR	45.56	1/4/2021	1.91			43.65
MW-22AR	45.56	7/6/2021	0			45.56
MW-22AR	45.56	1/5/2022	0.33			45.23
MW-22AR	45.56	7/6/2022	6.22			39.34
MW-22AR	45.56	1/4/2023	0.79			44.77
MW-22AR	45.56	7/6/2023	5.84			39.72
MW-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-22B	45.86	3/15/2004	1.20			44.656
MW-22B	45.86	9/14/2004	NM			
MW-22B	45.86	7/18/2005	NM			
MW-22B	45.86	1/6/2006	7.05			38.806
MW-22B	45.86	7/27/2006	1.58			44.276
MW-22B	45.86	3/7/2007	NM			
MW-22B	45.86	7/27/2007	2.85			43.006
MW-22B	45.86	1/29/2008	0.85			45.006
MW-22B	45.86	7/14/2008	5.45			40.406
MW-22B	45.86	2/3/2009	4.78			41.076
MW-22B	45.86	7/23/2009	5.39			40.466
MW-22B	45.86	1/9/2010	3.27			42.586
MW-22B	45.86	7/12/2010	6.21			39.646
MW-22B	45.86	1/12/2011	0.37			45.486
MW-22B	45.86	7/11/2011	8.32			37.536
MW-22B	45.86	1/27/2012	0.06			45.796
MW-22B	45.86	7/10/2012	1.27			44.586
MW-22B	45.86	1/8/2013	NM			
MW-22B	45.86	7/22/2013	NM			
MW-22B	45.86	1/7/2014	4.14			41.716
MW-22B	45.86	7/15/2014	3.79			42.07
MW-22B	45.86	1/5/2015	3.87			41.99
MW-22B	45.86	8/10/2015	2.62			43.24
MW-22B	45.86	1/13/2016	2.09			43.77
MW-22B	45.86	7/6/2016	NM			
MW-22B	45.86	1/12/2017	NM			
MW-22B	45.86	7/6/2017	NM			
MW-22B	45.86	9/5/2017	NM	REPLACED		
MW-22BR	45.71	2/11/2018	4.14			41.57
MW-22BR	45.71	3/12/2018	3.29			42.42
MW-22BR	45.71	5/14/2018	5.27			40.44
MW-22BR	45.71	7/2/2018	5.39			40.32
MW-22BR	45.71	1/3/2019	4.29			41.42
MW-22BR	45.71	7/9/2019	4.41			41.3
MW-22BR	45.71	2/10/2020	1.44			44.27
MW-22BR	45.71	7/7/2020	2.92			42.79
MW-22BR	45.71	1/4/2021	0.89			44.82
MW-22BR	45.71	7/6/2021	0			45.71
MW-22BR	45.71	1/5/2022	1.26			44.45
MW-22BR	45.71	7/6/2022	5.23			40.48
MW-22BR	45.71	1/4/2023	0.63			45.08
MW-22BR	45.71	7/6/2023	5.94			39.77
MW-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-23C	51.91	9/13/2004	25.97			25.944
MW-23C	51.91	7/18/2005	26.46			25.454
MW-23C	51.91	1/4/2006	27.53			24.384
MW-23C	51.91	3/7/2007	23.96			27.954
MW-23C	51.91	7/27/2007	22.41			29.504
MW-23C	51.91	1/31/2008	23.22	75.98	1.71	28.694
MW-23C	48.89[1]	2/4/2009	22.11	72.05	1.47	26.78
MW-23C	48.89[1]	7/23/2009	22.93	73.01	0.51	25.961
MW-23C	48.89[1]	1/9/2010	20.29	71.8	1.72	28.601
MW-23C	48.89[1]	5/27/2010	22.81	71.5	2.02	26.081
MW-23C	48.89[1]	6/28/2010	22.93	72.15	1.37	25.961
MW-23C	48.89[1]	7/12/2010	21.41	72.4	1.12	27.481
MW-23C	48.89[1]	8/31/2010	21.61	72.65	0.87	27.281
MW-23C	48.89[1]	1/12/2011	21.7	71.25	1.45	27.191
MW-23C	48.89	7/12/2011	23.11	70.65	2.05	25.782
MW-23C	48.89	1/26/2012	22.81	71.57	1.13	26.082
MW-23C	48.89	7/9/2012	22.31	71.45	1.25	26.582
MW-23C	48.89	1/7/2013	23.32	71.06	1.64	25.572
MW-23C	48.89	7/22/2013	24.38			24.512
MW-23C	48.89	1/7/2014	23.51	70.8	2.30	25.38
MW-23C	48.89	7/15/2014	24.06	70.96	2.14	24.83
MW-23C	48.89	1/5/2015	22.47	71.72	1.08	26.42
MW-23C	48.89	8/10/2015	19.34	72.17	0.63	29.55
MW-23C	48.89	1/13/2016	23.16	71.91	0.89	25.73
MW-23C	48.89	7/6/2016	23.09	71.56	1.24	25.80
MW-23C	48.89	1/12/2017	23.74	71.81	0.99	25.15
MW-23C	54.16	7/6/2017	23.61	77.27	0.53	30.55
MW-23C	54.16	9/5/2017	23.67	77.29	0.51	30.49
MW-23C	54.16	2/7/2018	23.86	77.46	0.34	30.30
MW-23C	54.16	3/11/2018	23.99	77.41	0.39	30.17
MW-23C	54.16	5/14/2018	25.02	77.49	0.31	29.14
MW-23C	54.16	1/3/2019	24.29	77.31	0.49	29.87
MW-23C	54.16	7/9/2019	24.42	76.99	0.81	29.74
MW-23C	54.16	1/9/2020	26.59	75.3	1.50	27.57
MW-23C	54.16	7/7/2020	26.51	76.7	0.10	27.65
MW-23C	54.16	1/6/2021	25.85			28.31
MW-23C	54.16	7/13/2021	24.2	75.48	1.32	29.96
MW-23C	54.16	1/4/2022	25.87			28.29
MW-23C	54.16	7/6/2022	27.87			26.29
MW-23C	54.16	1/4/2023	27.08			27.08
MW-23C	54.16	7/6/2023	27.36			26.8
MW-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-24C	46.05	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-25A	44.65	1/4/2023	4.89			39.76
MW-25A	44.65	7/6/2023	7.67			36.98
MW-25C	44.49	3/27/2000	19.92			24.57
MW-25C	44.49	4/7/2000	19.50			24.99
MW-25C	44.49	5/31/2000	19.56			24.93
MW-25C	44.49	6/1/2000	19.51			24.98
MW-25C	44.49	7/28/2000	19.54			24.95
MW-25C	44.49	8/30/2000	22.14			22.35
MW-25C	44.49	9/19/2000	21.30	66.73	0.90	23.19
MW-25C	44.49	10/27/2000	20.63			23.86
MW-25C	44.49	11/21/2000	27.63			16.86
MW-25C	44.49	5/1/2001	18.14			26.35
MW-25C	44.49	10/1/2001	18.29		0.40	26.2
MW-25C	44.49	3/14/2002	17.39	64.32	4.13	27.1
MW-25C	44.49	9/23/2002	17.81	61.41	6.00	26.68
MW-25C	44.49	3/10/2003	16.73			27.76

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-25C	44.49	9/23/2003	22.35			22.14
MW-25C	44.49	3/15/2004	16.15			28.34
MW-25C	44.49	9/14/2004	17.00	60.14	2.56	27.49
MW-25C	44.49	7/18/2005	15.57			28.92
MW-25C	44.49	1/6/2006	18.49			26
MW-25C	44.49	7/27/2006	15.32	60.64	2.03	29.17
MW-25C	44.49	3/7/2007	15.87	59.82	2.18	28.62
MW-25C	44.49	7/27/2007	14.25	60.61	1.04	30.24
MW-25C	44.49	1/28/2008	14.91	60.88	0.67	29.58
MW-25C	44.49	7/14/2008	17.24	60.95	0.60	27.25
MW-25C	44.49	2/3/2009	15.97	TRACE	TRACE	28.52
MW-25C	44.49	7/23/2009	16.39			28.1
MW-25C	44.49	1/9/2010	13.68	61.45	0.65	30.81
MW-25C	44.49	5/27/2010	16.09			28.4
MW-25C	44.49	6/28/2010	16.26			28.23
MW-25C	44.49	7/12/2010	16.05			28.44
MW-25C	44.49	8/31/2010	16.21			28.28
MW-25C	44.49	1/12/2011	16.29			28.2
MW-25C	44.49	7/11/2011	18.81			25.68
MW-25C	44.49	1/27/2012	17.29			27.2
MW-25C	44.49	7/10/2012	16.53			27.96
MW-25C	44.49	1/8/2013	18.34			26.15
MW-25C	44.49	7/23/2013	18.74			25.75
MW-25C	44.49	1/8/2014	18.23			26.26
MW-25C	44.49	7/16/2014	18.66			25.83
MW-25C	44.49	1/5/2015	17.81			26.68
MW-25C	44.49	8/10/2015	16.09			28.40
MW-25C	44.49	1/13/2016	15.61			28.88
MW-25C	44.49	7/6/2016	16.02			28.47
MW-25C	44.49	1/12/2017	16.64			27.85
MW-25C	44.49	7/5/2017	16.84			27.65
MW-25C	44.49	9/5/2017	16.81			27.68
MW-25C	44.49	2/11/2018	15.27			29.22
MW-25C	44.49	3/12/2018	15.63			28.86
MW-25C	44.49	5/14/2018	16.02			28.47
MW-25C	44.49	1/3/2019	15.29			29.2
MW-25C	44.49	7/9/2019	15.86			28.63
MW-25C	44.49	1/7/2020	16.72			27.77
MW-25C	44.49	7/22/2020	19.29			25.20
MW-25C	44.49	1/4/2021	15.45			29.04
MW-25C	44.49	7/13/2021	14.21			30.28
MW-25C	44.49	1/4/2022	15.41			29.08
MW-25C	44.49	7/6/2022	17.52			26.97
MW-25C	44.49	1/4/2023	16.21			28.28
MW-25C	44.49	7/6/2023	16.91			27.58
MW-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-26A	44.62	7/12/2010	8.12			36.5
MW-26A	44.62	1/13/2011	2.38			42.24
MW-26A	44.62	7/11/2011	10.27			34.35
MW-26A	44.62	1/27/2012	3.09			41.53
MW-26A	44.62	7/10/2012	2.77			41.85
MW-26A	44.62	1/8/2013	7.27			37.35
MW-26A	44.62	7/23/2013	9.72			34.9
MW-26A	44.62	1/8/2014	6.33			38.29
MW-26A	44.62	7/16/2014	7.64			36.98
MW-26A	44.62	1/5/2015	5.74			38.88
MW-26A	44.62	8/10/2015	4.03			40.59
MW-26A	44.62	1/13/2016	3.41			41.21
MW-26A	44.62	7/6/2016	3.72			40.90
MW-26A	44.62	1/12/2017	4.92			39.70
MW-26A	44.62	7/5/2017	5.34			39.28
MW-26A	44.62	9/5/2017	5.27			39.35
MW-26A	44.62	2/11/2018	4.43			40.19
MW-26A	44.62	3/12/2018	4.77			39.85
MW-26A	44.62	5/14/2018	6.61			38.01
MW-26A	44.62	1/3/2019	6.06			38.56
MW-26A	44.62	7/9/2019	6.31			38.31
MW-26A	44.62	1/7/2020	4.78			39.84
MW-26A	44.62	7/7/2020	5.21			39.41
MW-26A	44.62	1/4/2021	4.06			40.56
MW-26A	44.62	7/6/2021	1.41			43.21
MW-26A	44.62	1/5/2022	4.38			40.24
MW-26A	44.62	7/6/2022	7.13			37.49
MW-26A	44.62	1/4/2023	3.23			41.39
MW-26A	44.62	7/6/2023	7.03			37.59
MW-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
MW-27A	44.90	1/4/2023	3.06			41.84
MW-27A	44.90	7/6/2023	6.13			38.77
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-27C	45.04	3/10/2003	18.68			26.36
MW-27C	45.04	9/23/2003	16.89			28.15
MW-27C	45.04	3/15/2004	14.35			30.69
MW-27C	45.04	9/14/2004	14.49			30.55
MW-27C	45.04	7/18/2005	16.12			28.92
MW-27C	45.04	1/6/2006	18.07			26.97
MW-27C	45.04	7/27/2006	17.13			27.91
MW-27C	45.04	3/7/2007	15.47			29.57
MW-27C	44.90	7/27/2007	14.85			30.05
MW-27C	45.04	1/28/2008	14.31			30.73
MW-27C	45.04	7/14/2008	17.51			27.53
MW-27C	45.04	2/3/2009	15.76			29.28
MW-27C	45.04	7/23/2009	16.38			28.66
MW-27C	45.04	1/9/2010	14.82			30.22
MW-27C	45.04	7/12/2010	16.12			28.92
MW-27C	45.04	1/12/2011	15.84			29.2
MW-27C	45.04	7/11/2011	18.17			26.87
MW-27C	45.04	1/27/2012	17.14			27.9
MW-27C	45.04	7/10/2012	16.56			28.48
MW-27C	45.04	1/8/2013	17.04			28
MW-27C	45.04	7/23/2013	18.61			26.43
MW-27C	45.04	1/8/2014	18.12			26.92
MW-27C	45.04	7/16/2014	16.94			28.10
MW-27C	45.04	1/5/2015	17.74			27.30
MW-27C	45.04	8/10/2015	15.71			29.33
MW-27C	45.04	1/13/2016	15.04			30.00
MW-27C	45.04	7/6/2016	15.32			29.72
MW-27C	45.04	1/12/2017	15.91			29.13
MW-27C	45.04	7/5/2017	16.39			28.65
MW-27C	45.04	9/5/2017	16.36			28.68
MW-27C	45.04	2/11/2018	16.59			28.45
MW-27C	45.04	3/12/2018	16.97			28.07
MW-27C	45.04	5/14/2018	15.89			29.15
MW-27C	45.04	1/3/2019	14.32			30.72
MW-27C	45.04	7/9/2019	15.61			29.43
MW-27C	45.04	1/8/2020	16.93			28.11
MW-27C	45.04	8/18/2020	15.5			29.54
MW-27C	45.04	1/4/2021	15.04			30.00
MW-27C	45.04	7/8/2021	13.28			31.76
MW-27C	45.04	1/5/2022	16.12			28.92
MW-27C	45.04	7/6/2022	18.96			26.08
MW-27C	45.04	1/4/2023	15.72			29.32
MW-27C	45.04	7/6/2023	19.02			26.02
MW-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
MW-28A	43.86	8/10/2015	5.72			38.14
MW-28A	43.86	1/13/2016	5.09			38.77

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-28A	43.86	7/6/2016	5.42			38.44
MW-28A	43.86	1/12/2017	5.89			37.97
MW-28A	43.86	7/5/2017	6.13			37.73
MW-28A	43.86	9/5/2017	6.06			37.80
MW-28A	43.86	2/11/2018	5.31			38.55
MW-28A	43.86	3/12/2018	5.61			38.25
MW-28A	43.86	5/14/2018	6.02			37.84
MW-28A	43.86	1/3/2019	5.41			38.45
MW-28A	43.86	7/9/2019	6.52			37.34
MW-28A	43.86	1/7/2020	6.68			37.18
MW-28A	43.86	7/7/2020	5.75			38.11
MW-28A	43.86	1/4/2021	3.74			40.12
MW-28A	43.86	7/8/2021	1.69			42.17
MW-28A	43.86	1/4/2022	5.41			38.45
MW-28A	43.86	7/6/2022	7.76			36.1
MW-28A	43.86	1/4/2023	3.66			40.2
MW-28A	43.86	7/6/2023	7.63			36.23
MW-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-28C	43.96	1/4/2023	16.31			27.65
MW-28C	43.96	1/4/2023	16.31			27.65
MW-28C	43.96	7/6/2023	16.57			27.39
MW-29A	46.59	5/1/2001	5.01			41.58
MW-29A	46.59	10/1/2001	5.38			41.21
MW-29A	46.59	3/11/2002	1.51			45.08
MW-29A	46.59	9/23/2002	1.65			44.94
MW-29A	46.59	3/10/2003	1.42			45.17
MW-29A	46.59	9/23/2003	1.50			45.09
MW-29A	46.59	3/15/2004	1.85			44.74

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-29A	46.59	9/14/2004	6.35			40.24
MW-29A	46.59	7/18/2005	3.12			43.47
MW-29A	46.59	1/6/2006	6.57			40.02
MW-29A	46.59	7/27/2006	1.44			45.15
MW-29A	46.59	3/7/2007	1.95			44.64
MW-29A	46.59	7/27/2007	2.49			44.1
MW-29A	46.59	1/28/2008	1.28			45.31
MW-29A	46.59	7/14/2008	4.14			42.45
MW-29A	46.59	2/3/2009	3.50			43.09
MW-29A	46.59	7/23/2009	4.09			42.5
MW-29A	46.59	1/9/2010	1.76			44.83
MW-29A	46.59	7/12/2010	3.62			42.97
MW-29A	46.59	1/13/2011	3.07			43.52
MW-29A	46.59	7/11/2011	7.14			39.45
MW-29A	46.59	7/10/2012	4.17			42.42
MW-29A	46.59	1/8/2013	4.91			41.68
MW-29A	46.59	7/23/2013	NM			NM
MW-29A	Plugged					NM
MW-29B	46.26	5/1/2001	19.01			27.25
MW-29B	46.26	10/1/2001	19.41			26.85
MW-29B	46.26	3/11/2002	18.04			28.22
MW-29B	46.26	9/23/2002	18.82			27.44
MW-29B	46.26	3/10/2003	17.21			29.05
MW-29B	46.26	9/23/2003	18.09			28.17
MW-29B	46.26	3/15/2004	17.10			29.16
MW-29B	46.26	9/14/2004	17.76			28.5
MW-29B	46.26	7/18/2005	18.11			28.15
MW-29B	46.26	1/6/2006	18.83			27.43
MW-29B	46.26	7/27/2006	18.41			27.85
MW-29B	46.26	3/7/2007	17.21			29.05
MW-29B	46.26	7/27/2007	15.49			30.77
MW-29B	46.26	1/28/2008	15.32			30.94
MW-29B	46.26	7/14/2008	18.23			28.03
MW-29B	46.26	2/3/2009	17.72			28.54
MW-29B	46.26	7/23/2009	16.19			30.07
MW-29B	46.26	1/9/2010	16.02			30.24
MW-29B	46.26	7/12/2010	19.29			26.97
MW-29B	46.26	1/13/2011	17.73			28.53
MW-29B	46.26	7/11/2011	20.06			26.2
MW-29B	46.26	7/10/2012	9.71			36.55
MW-29B	46.26	1/8/2013	9.92			36.34
MW-29B	Plugged					
MW-29C	46.46	5/1/2001	25.51			20.95
MW-29C	46.46	10/1/2001	25.04			21.42
MW-29C	46.46	3/11/2002	23.51			22.95
MW-29C	46.46	9/23/2002	24.10			22.36
MW-29C	46.46	3/10/2003	22.71			23.75
MW-29C	46.46	9/23/2003	23.48			22.98
MW-29C	46.46	3/15/2004	22.24			24.22
MW-29C	46.46	9/14/2004	24.12			22.34
MW-29C	46.46	7/18/2005	23.75			22.71
MW-29C	46.46	1/6/2006	25.12			21.34
MW-29C	46.46	7/27/2006	23.35			23.11
MW-29C	46.46	3/7/2007	22.38			24.08
MW-29C	46.46	7/27/2007	20.42			26.04
MW-29C	46.46	1/28/2008	21.08			25.38
MW-29C	46.46	7/14/2008	22.38			24.08
MW-29C	46.46	2/3/2009	22.86			23.6
MW-29C	46.46	7/23/2009	22.81			23.65
MW-29C	46.46	1/9/2010	20.71			25.75
MW-29C	46.46	7/12/2010	21.32			25.14
MW-29C	46.46	1/13/2011	20.39			26.07
MW-29C	46.46	7/11/2011	23.17			23.29
MW-29C	46.46	7/10/2012	20.69			25.77
MW-29C	46.46	1/8/2013	21.27			25.19
MW-29C	46.46	7/23/2013	NM			NM
MW-29C	Plugged					
MW-30A	50.45	3/15/2004	9.71			40.74
MW-30A	50.45	9/13/2004	12.76			37.69
MW-30A	50.45	7/18/2005	11.80			38.65
MW-30A	50.45	1/4/2006	13.52			36.93
MW-30A	50.45	7/27/2006	10.45			40

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-30A	50.45	3/7/2007	10.98			39.47
MW-30A	50.45	7/27/2007	9.49			40.96
MW-30A	50.45	1/30/2008	9.62			40.83
MW-30A	50.45	7/15/2008	12.52			37.93
MW-30A	50.45	2/4/2009	13.01			37.44
MW-30A	50.45	7/23/2009	13.71			36.74
MW-30A	50.45	1/9/2010	10.87			39.58
MW-30A	50.45	7/12/2010	12.61			37.84
MW-30A	50.45	1/12/2011	10.06			40.39
MW-30A	50.45	7/12/2011	14.76			35.69
MW-30A	50.45	1/26/2012	10.78			39.67
MW-30A	50.45	7/9/2012	11.13			39.32
MW-30A	50.45	1/8/2013	12.91			37.54
MW-30A	50.45	7/23/2013	14.16			36.29
MW-30A	50.45	1/8/2014	13.81			36.64
MW-30A	50.45	7/15/2014	12.10			38.35
MW-30A	50.45	1/5/2015	13.22			37.23
MW-30A	50.45	8/10/2015	12.16	Plugged and Abandoned		38.29
MW-31A	52.08	3/15/2004	10.97			41.11
MW-31A	52.08	9/13/2004	13.00			39.08
MW-31A	52.08	7/18/2005	13.05			39.03
MW-31A	52.08	1/4/2006	14.77			37.31
MW-31A	52.08	7/27/2006	11.83			40.25
MW-31A	52.08	3/7/2007	12.43			39.65
MW-31A	52.08	7/27/2007	10.83			41.25
MW-31A	52.08	1/31/2008	10.99			41.09
MW-31A	52.08	7/15/2008	13.68			38.4
MW-31A	52.08	2/4/2009	14.23			37.85
MW-31A	52.08	7/23/2009	14.73			37.35
MW-31A	52.08	1/9/2010	12.31			39.77
MW-31A	52.08	7/12/2010	14.06			38.02
MW-31A	52.08	1/12/2011	11.62			40.46
MW-31A	52.08	7/12/2011	15.92			36.16
MW-31A	52.08	1/26/2012	12.24			39.84
MW-31A	52.08	7/9/2012	12.79			39.29
MW-31A	52.08	1/8/2013	14.14			37.94
MW-31A	52.08	7/23/2013	16.24			35.84
MW-31A	52.08	1/8/2014	15.96			36.12
MW-31A	52.08	7/15/2014	13.19			38.89
MW-31A	52.08	1/5/2015	15.16			36.92
MW-31A	52.08	8/10/2015	12.76	Plugged and Abandoned		39.32
MW-32A	43.77	3/15/2004	1.00			42.77
MW-32A	43.77	9/14/2004	6.03	29.00	3.48	37.74
MW-32A	43.77	7/18/2005	5.82	26.56	5.92	37.95
MW-32A	43.77	1/6/2006	6.93	24.92	7.57	36.84
MW-32A	43.77	7/27/2006	12.96	25.71	6.74	30.81
MW-32A	43.77	3/7/2007	4.03	25.26	7.19	39.74
MW-32A	43.77	7/27/2007	1.95	30.76	1.70	41.82
MW-32A	43.77	1/28/2008	2.18			41.59
MW-32A	43.77	7/14/2008	6.14	26.25	6.20	37.63
MW-32A	43.77	2/3/2009	5.71	26.29	6.16	38.06
MW-32A	43.77	7/23/2009	6.29	26.51	5.94	37.48
MW-32A	43.77	1/9/2010	3.55	25.41	7.04	40.22
MW-32A	43.77	5/27/2010	5.86	26.2	6.25	37.91
MW-32A	43.77	6/28/2010	6.02	29.1	3.35	37.75
MW-32A	43.77	7/12/2010	6.12	29.45	3.00	37.65
MW-32A	43.77	8/31/2010	5.43	30.67	1.78	38.34
MW-32A	43.77	1/13/2011	2.63	29.15	3.30	41.14
MW-32A	43.77	7/11/2011	5.92	28.82	3.63	37.85
MW-32A	Plugged					
MW-32AR	44.56	1/27/2012	3.22			41.34
MW-32AR	44.56	7/10/2012	3.73			40.83
MW-32AR	44.56	1/8/2013	6.64			37.92
MW-32AR	44.56	7/23/2013	9.42			35.14
MW-32AR	44.56	1/8/2014	5.64			38.92
MW-32AR	44.56	7/16/2014	6.74			37.82
MW-32AR	44.56	1/5/2015				
MW-32AR	44.56	8/10/2015	3.18			41.38
MW-32AR	44.56	1/13/2016	2.66			41.90
MW-32AR	44.56	7/6/2016	3.14			41.42
MW-32AR	44.56	1/12/2017	3.67			40.89
MW-32AR	44.56	7/5/2017	4.16			40.40

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-32AR	44.56	9/6/2017	4.03			40.53
MW-32AR	44.56	2/11/2018	4.06			40.50
MW-32AR	44.56	3/12/2018	5.02			39.54
MW-32AR	44.56	5/14/2018	5.91			38.65
MW-32AR	44.56	1/3/2019	5.42			39.14
MW-32AR	44.56	7/9/2019	6.41			38.15
MW-32AR	44.56	1/8/2020	3.88			40.68
MW-32AR	44.56	7/7/2020	4.84			39.72
MW-32AR	44.56	1/4/2021	3.43			41.13
MW-32AR	44.56	7/6/2021	1.91			42.65
MW-32AR	44.56	1/5/2022	4.36			40.2
MW-32AR	44.56	7/6/2022	6.49			38.07
MW-32AR	44.56	1/4/2023	3.21			41.35
MW-32AR	44.56	7/6/2023	6.24			38.32
MW-32B	44.41	1/27/2012	3.11	30.52	5.77	41.3
MW-32B	44.41	7/10/2012	3.81	30.16	6.13	40.6
MW-32B	44.41	1/8/2013	6.34	30.02	6.38	38.07
MW-32B	44.41	7/23/2013	7.14			37.27
MW-32B	44.41	1/8/2014	6.72	34.82	1.58	37.69
MW-32B	44.41	7/16/2014	6.72	34.29	2.11	37.69
MW-32B	44.41	1/5/2015	6.02	35.77	0.63	38.39
MW-32B	44.41	8/10/2015	4.41	36.09	0.31	40.00
MW-32B	44.41	1/13/2016	3.61	36.07	0.33	40.80
MW-32B	44.41	7/6/2016	3.91	35.96	0.44	40.50
MW-32B	44.41	1/12/2017	4.83	36.02	0.38	39.58
MW-32B	44.41	7/5/2017	4.86	36.13	0.27	39.55
MW-32B	44.41	9/6/2017	4.78	36.24	3.67	39.63
MW-32B	44.41	2/7/2018	5.16	36.21	0.19	39.25
MW-32B	44.41	3/12/2018	5.41	36.13	0.27	39.00
MW-32B	44.41	5/15/2018	6.47	36.21	0.19	37.94
MW-32B	44.41	1/3/2019	6.09	36.29	0.11	38.32
MW-32B	44.41	7/9/2019	5.61	35.89	0.51	38.8
MW-32B	44.41	1/8/2020	2.71			41.7
MW-32B	44.41	7/7/2020	4.61	35.12	1.28	39.8
MW-32B	44.41	1/4/2021	3.52	31.75	4.65	40.89
MW-32B	44.41	7/6/2021	3.07	34.40	2.00	41.34
MW-32B	44.41	1/5/2022	4.37		0.00	40.04
MW-32B	44.41	7/6/2022	6.26	35.31	0.74	38.15
MW-32B	44.41	1/4/2023	3.77	29.17		40.64
MW-32B	44.41	7/6/2023	6.03	32.14	3.91	38.38
MW-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-33A	44.25	7/9/2019	5.09			39.16
MW-33A	44.25	1/20/2020	4.41			39.84
MW-33A	44.25	7/7/2020	5.31			38.94
MW-33A	44.25	1/4/2021	4.04			40.21
MW-33A	44.25	7/6/2021	2.26			41.99
MW-33A	44.25	1/4/2022	5.19			39.06
MW-33A	44.25	7/6/2022	6.97			37.28
MW-33A	44.25	1/4/2023	3.73			40.52
MW-33A	44.25	7/6/2023	6.82			37.43
MW-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-33BR	44.35	1/4/2023	3.96			40.39
MW-33BR	44.35	7/6/2023	6.09			38.05
MW-34C	45.31	3/15/2004	17.40			27.91
MW-34C	45.31	9/14/2004	18.82			26.49
MW-34C	45.31	7/18/2005	19.41	65.29	7.19	25.9
MW-34C	45.31	1/6/2006	20.54	65.27	8.38	24.77
MW-34C	45.31	7/27/2006	18.55	63.84	8.61	26.76
MW-34C	45.31	4/9/2007	16.34	62.06	10.39	28.97
MW-34C	45.31	7/27/2007	NM			
MW-34C	45.31	1/29/2008	16.32			28.99
MW-34C	45.31	7/15/2008	18.13	43.49	29.01	27.18
MW-34C	45.31	2/5/2009	18.08	61.79	10.71	27.23
MW-34C	45.31	7/23/2009	NM			
MW-34C	45.31	1/9/2010	16.41	69.20	3.30	28.9
MW-34C	45.31	7/12/2010	NM			
MW-34C	45.31	1/12/2011	16.41	64.90	7.60	28.9
MW-34C	45.31	7/11/2011	19.08	65.26	7.24	26.23
MW-34C	45.31	2/8/2012	18.41			26.9
MW-34C	45.31	7/10/2012	NM			
MW-34C	45.31	1/8/2013	NM			
MW-34C	45.31	7/23/2013	NM			
MW-34CR	46.47	7/16/2014	19.17			27.30
MW-34CR	46.47	1/5/2015	19.01			27.46
MW-34CR	46.47	8/10/2015	17.39			29.08
MW-34CR	46.47	1/13/2016	15.99			30.48

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-34CR	46.47	7/6/2016	16.06			30.41
MW-34CR	46.47	1/12/2017	16.94			29.53
MW-34CR	46.47	7/5/2017	17.01			29.46
MW-34CR	46.47	9/6/2017	17.11			29.36
MW-34CR	46.47	2/11/2018	18.19			28.28
MW-34CR	46.47	3/12/2018	18.52			27.95
MW-34CR	46.47	5/14/2018	18.26			28.21
MW-34CR	46.47	1/3/2019	18.26			28.21
MW-34CR	46.47	7/9/2019	NM			damaged
MW-34CR	46.47	3/31/2020	17.49			28.98
MW-34CR	46.47	7/7/2020	18.21			28.26
MW-34CR	46.47	1/4/2021	17.56			28.91
MW-34CR	46.47	7/8/2021	16.33			30.14
MW-34CR	46.47	1/4/2022	17.56			28.91
MW-34CR	46.47	7/7/2022	19.27			27.20
MW-34CR	46.47	1/4/2023	19.33			27.14
MW-34CR	46.47	7/6/2023	19.19			27.28
MW-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-35A	44.75	1/4/2023	2.73			42.02
MW-35A	44.75	7/6/2023	6.09			38.66
MW-35B	44.83	3/7/2007	3.31			41.52
MW-35B	44.83	7/27/2007	3.29			41.54
MW-35B	44.83	1/29/2008	1.95			42.88
MW-35B	44.83	7/14/2008	6.40			38.43
MW-35B	44.83	2/3/2009	5.79			39.04
MW-35B	44.83	7/23/2009	6.42			38.41
MW-35B	44.83	1/9/2010	3.51			41.32
MW-35B	44.83	7/12/2010	6.39			38.44
MW-35B	44.83	1/13/2011	2.96			41.87
MW-35B	44.83	7/11/2011	8.67			36.16
MW-35B	44.83	1/27/2012	1.59			43.24
MW-35B	44.83	7/10/2012	2.74			42.09
MW-35B	44.83	1/8/2013	6.09			38.74
MW-35B	44.83	7/23/2013	9.22			35.61
MW-35B	44.83	1/8/2014	5.31			39.52
MW-35B	44.83	7/15/2014	6.75			38.08
MW-35B	44.83	1/5/2015	4.81			40.02
MW-35B	44.83	8/10/2015	3.97			40.86
MW-35B	44.83	1/13/2016	3.26			41.57

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-35B	44.83	7/6/2016	3.57			41.26
MW-35B	44.83	1/12/2017	4.06			40.77
MW-35B	44.83	7/5/2017	4.66			40.17
MW-35B	44.83	9/6/2017	NM			
MW-35B	44.83	2/11/2018	4.06			40.77
MW-35B	44.83	3/11/2018	4.31			40.52
MW-35B	44.83	5/14/2018	6.11			38.72
MW-35B	44.83	1/3/2019	5.33			39.5
MW-35B	44.83	7/9/2019	5.62			39.21
MW-35B	44.83	1/8/2020	4.67			40.16
MW-35B	44.83	7/7/2020	4.7			40.13
MW-35B	44.83	1/4/2021	2.72			42.11
MW-35B	44.83	7/6/2021	0.91			43.92
MW-35B	44.83	1/4/2022	3.68			41.15
MW-35B	44.83	7/6/2022	6.22			38.61
MW-35B	44.83	1/4/2023	3.03			41.80
MW-35B	44.83	7/6/2023	6.23			38.60
MW-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-36A	44.53	1/4/2023	6.43			38.10
MW-36A	44.53	7/6/2023	9.17			35.36
MW-36B	44.07	7/12/2010	1.32			42.75
MW-36B	44.07	1/13/2011	9.71			34.36
MW-36B	44.07	7/11/2011	11.57			32.5
MW-36B	44.07	1/27/2012	0.46			43.61
MW-36B	44.07	7/10/2012	6.64			37.43
MW-36B	44.07	1/8/2013	6.71			37.36
MW-36B	44.07	7/23/2013	9.39			34.68
MW-36B	44.07	1/8/2014	4.09			39.98
MW-36B	44.07	7/16/2014	3.61			40.46
MW-36B	44.07	1/5/2015	3.21			40.86
MW-36B	44.07	8/10/2015	1.46			42.61
MW-36B	44.07	1/13/2016	1.06			43.01
MW-36B	44.07	7/6/2016	4.06			40.01
MW-36B	44.07	1/12/2017	4.59			39.48
MW-36B	44.07	7/5/2017	4.72			39.35
MW-36B	44.07	9/6/2017	4.41			39.66
MW-36B	44.07	2/11/2018	0.32			43.75
MW-36B	44.07	3/11/2018	1.81			42.26
MW-36B	44.07	5/14/2018	1.62			42.45

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-36B	44.07	1/3/2019	1.09			42.98
MW-36B	44.07	7/9/2019	1.86			42.21
MW-36B	44.07	1/7/2020	0.39			43.68
MW-36B	44.07	7/7/2020	4.89			39.18
MW-36B	44.07	1/4/2021	0.81			43.26
MW-36B	44.07	7/26/2021	1.92			42.15
MW-36B	44.07	1/4/2022	1.31			42.76
MW-36B	44.07	7/6/2022	7.67			36.4
MW-36B	44.07	1/4/2023	0.36			43.71
MW-36B	44.07	7/6/2023	5.74			38.33
MW-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-36D	44.33	1/4/2023	83.29			-38.96
MW-36D	44.33	7/6/2023	85.12			-40.79
MW-38A	46.39	3/7/2007	3.26			43.13
MW-38A	46.39	7/27/2007	3.08			43.31
MW-38A	46.39	1/29/2008	1.85			44.54
MW-38A	46.39	7/14/2008	5.84			40.55
MW-38A	46.39	2/3/2009	5.15			41.24
MW-38A	46.39	7/23/2009	5.06			41.33
MW-38A	46.39	1/9/2010	2.27			44.12
MW-38A	46.39	7/12/2010	6.42			39.97
MW-38A	46.39	1/13/2011	1.76			44.63
MW-38A	46.39	7/11/2011	8.16			38.23
MW-38A	46.39	1/27/2012	1.8			44.59
MW-38A	46.39	7/10/2012	2.52			43.87
MW-38A	46.39	1/8/2013	4.62			41.77
MW-38A	46.39	7/23/2013	8.34			38.05
MW-38A	46.39	1/8/2014	4.77			41.62
MW-38A	46.39	7/15/2014	6.20			40.19
MW-38A	46.39	1/5/2015	4.16			42.23
MW-38A	46.39	8/10/2015	3.61			42.78
MW-38A	46.39	1/13/2016	3.02			43.37
MW-38A	46.39	7/6/2016	3.42			42.97
MW-38A	46.39	1/12/2017	4.01			42.38
MW-38A	46.39	7/5/2017	4.21			42.18
MW-38A	46.39	9/6/2017	4.12			42.27
MW-38A	46.39	2/11/2018	2.61			43.78
MW-38A	46.39	3/11/2018	4.12			42.27
MW-38A	46.39	5/14/2018	5.41			40.98
MW-38A	46.39	1/3/2019	4.66			41.73
MW-38A	46.39	7/9/2019	4.13			42.26
MW-38A	46.39	1/8/2020	1.51			44.88
MW-38A	46.39	7/7/2020	4.01			42.38
MW-38A	46.39	1/4/2021	2.38			44.01
MW-38A	46.39	7/6/2021	1.36			45.03
MW-38A	46.39	1/5/2022	3.71			42.68

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-38A	46.39	7/6/2022	6.11			40.28
MW-38A	46.39	1/4/2023	2.06			44.33
MW-38A	46.39	7/6/2023	5.34			41.05
MW-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-38B	45.51	1/4/2023	1.13			44.38
MW-38B	45.51	7/6/2023	5.21			40.3
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-39B	49.58	2/11/2018	6.09			43.49
MW-39B	49.58	3/11/2018	7.04			42.54
MW-39B	49.58	5/14/2018	8.73			40.85
MW-39B	49.58	1/3/2019	7.97			41.61
MW-39B	49.58	7/9/2019	7.47			42.11
MW-39B	49.58	1/7/2020	6.02			43.56
MW-39B	49.58	7/8/2020	7.41			42.17
MW-39B	49.58	1/6/2021	5.79			43.79
MW-39B	49.58	7/6/2021	4.92			44.66
MW-39B	49.58	1/4/2022	6.46			43.12
MW-39B	49.58	7/6/2022	8.53			41.05
MW-39B	49.58	1/4/2023	5.37			44.21
MW-39B	49.58	7/6/2023	8.43			41.15
MW-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-40B	49.59	1/4/2023	5.27			44.32
MW-40B	49.59	7/6/2023	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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-41B	49.37	3/8/2012	6.31	20.67	24.14	43.06
MW-41B	49.37	7/9/2012	8.23			41.14
MW-41B	49.37	1/7/2013	9.09	41.13	3.68	40.28
MW-41B	49.37	7/22/2013	10.31	39.29	5.52	39.06
MW-41B	49.37	1/7/2014	9.06	39.17	5.64	40.31
MW-41B	49.37	7/15/2014	8.62	37.86	6.95	40.75
MW-41B	49.37	1/5/2015	8.26	39.02	5.79	41.11
MW-41B	49.37	8/10/2015	6.01	40.39	4.42	43.36
MW-41B	49.37	1/13/2016	5.51	39.91	4.90	43.86
MW-41B	49.37	7/6/2016	5.72	40.01	4.80	43.65
MW-41B	49.37	1/12/2017	6.39	40.56	4.25	42.98
MW-41B	49.37	7/6/2017	6.34	40.57	4.24	43.03
MW-41B	49.37	9/6/2017	6.36	40.62	4.19	43.01
MW-41B	49.37	2/7/2018	6.97	40.76	4.05	42.40
MW-41B	49.37	3/11/2018	7.21	40.63	4.18	42.16
MW-41B	49.37	5/14/2018	8.71	40.82	3.99	40.66
MW-41B	49.37	7/2/2018	8.97	40.96	3.85	40.4
MW-41B	49.37	1/3/2019	8.22	40.83	3.98	41.15
MW-41B	49.37	7/9/2019	7.57	40.86	1.74	41.8
MW-41B	49.37	8/1/2019	7.46	39.42	5.39	41.91
MW-41B	49.37	1/8/2020	4.2	40.34	2.26	45.17
MW-41B	49.37	7/8/2020	7.29	BP		42.08
MW-41B	49.37	1/6/2021	4.48	BP		44.89
MW-41B	49.37	1/4/2022	5.26	BP		44.11
MW-41B	49.37	7/6/2022	6.54	BP		42.83
MW-41B	49.37	1/4/2023	4.67	BP		44.70
MW-41B	49.37	7/6/2023	9.46	BP		39.91
MW-42B	50.52	3/7/2007	7.31			43.21
MW-42B	50.52	7/27/2007	5.74			44.78
MW-42B	50.52	1/30/2008	6.62			43.9
MW-42B	50.52	7/15/2008	8.73			41.79
MW-42B	50.52	2/4/2009	9.32			41.2
MW-42B	50.52	7/24/2009	9.61			40.91
MW-42B	50.52	1/8/2010	6.02			44.5
MW-42B	50.52	7/12/2010	7.13			43.39
MW-42B	50.52	1/12/2011	6.33			44.19
MW-42B	50.52	7/12/2011	11.76			38.76
MW-42B	50.52	1/26/2012	6.62			43.9
MW-42B	50.52	7/9/2012	6.81			43.71
MW-42B	50.52	1/7/2013	9.23			41.29
MW-42B	50.52	7/22/2013	11.08			39.44
MW-42B	50.52	1/7/2014	8.02			42.5
MW-42B	50.52	7/15/2014	7.37			43.15
MW-42B	50.52	1/5/2015	7.31			43.21
MW-42B	50.52	8/10/2015	5.67			44.85
MW-42B	50.52	1/13/2016	4.92			45.60
MW-42B	50.52	7/6/2016	5.36			45.16
MW-42B	50.52	1/12/2017	5.94			44.58
MW-42B	50.52	7/6/2017	6.27			44.25
MW-42B	50.52	9/6/2017	6.39			44.13
MW-42B	50.52	2/11/2018	6.84			43.68
MW-42B	50.52	3/11/2018	7.12			43.40
MW-42B	50.52	5/14/2018	8.76			41.76
MW-42B	50.52	7/2/2018	8.99			41.53
MW-42B	50.52	1/3/2019	8.02			42.50
MW-42B	50.52	7/9/2019	7.42			43.1
MW-42B	50.52	1/7/2020	6.97			43.55
MW-42B	50.52	7/8/2020	7.29			43.23
MW-42B	50.52	1/6/2021	6.03			44.49
MW-42B	50.52	7/8/2021	5.17			45.35
MW-42B	50.52	1/4/2022	6.83			43.69
MW-42B	50.52	7/6/2022	8.63			41.89
MW-42B	50.52	1/4/2023	5.92			44.6
MW-42B	50.52	7/6/2023	8.26			42.26
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-44A	45.11	1/12/2011	9.63			35.48
MW-44A	45.11	7/11/2011	12.59			32.52
MW-44A	45.11	1/27/2012	9.27			35.84
MW-44A	45.11	7/10/2012	10.11			35
MW-44A	45.11	1/8/2013	11.01			34.1
MW-44A	45.11	7/23/2013	12.24			32.87
MW-44A	45.11	1/8/2014	11.91			33.2
MW-44A	45.11	7/16/2014	11.32			33.79
MW-44A	45.11	1/5/2015	11.27			33.84
MW-44A	45.11	8/10/2015	9.71			35.40
MW-44A	45.11	1/13/2016	9.11			36.00
MW-44A	45.11	7/6/2016	9.26			35.85
MW-44A	45.11	1/12/2017	9.71			35.40
MW-44A	45.11	7/5/2017	10.06			35.05
MW-44A	45.11	9/6/2017	9.94			35.17
MW-44A	45.11	2/11/2018	8.79			36.32
MW-44A	45.11	3/11/2018	9.83			35.28
MW-44A	45.11	5/14/2018	9.91			35.20
MW-44A	45.11	1/3/2019	9.23			35.88
MW-44A	45.11	7/9/2019	8.67			36.44
MW-44A	45.11	1/8/2020	10.18			34.93
MW-44A	45.11	7/7/2020	9.58			35.53
MW-44A	45.11	1/4/2021	8.34			36.77
MW-44A	45.11	7/8/2021	7.33			37.78
MW-44A	45.11	1/4/2022	8.61			36.5
MW-44A	45.11	7/6/2022	10.07			35.04
MW-44A	45.11	1/4/2023	8.91			36.2
MW-44A	45.11	7/6/2023	10.23			34.88
MW-44C	45.03	3/15/2004	17.54			27.49
MW-44C	45.03	9/14/2004	18.35			26.68
MW-44C	45.03	7/18/2005	18.90	64.77	5.35	26.13
MW-44C	45.03	1/6/2006	20.03	66.50	5.37	25
MW-44C	45.03	7/27/2006	18.47	63.35	6.75	26.56
MW-44C	45.03	3/7/2007	16.02	62.30	7.75	29.01
MW-44C	45.03	7/27/2007	14.83	65.45	5.50	30.2
MW-44C	45.03	1/29/2008	15.95			29.08
MW-44C	45.03	7/14/2008	17.91	64.95	6.18	27.12
MW-44C	45.03	2/3/2009	16.72	64.15	6.98	28.31
MW-44C	45.03	7/23/2009	17.12	64.05	6.75	27.91
MW-44C	45.03	1/9/2010	15.57	63.81	6.99	29.46
MW-44C	45.03	5/27/2010	16.67	64.7	6.10	28.36
MW-44C	45.03	6/28/2010	16.77	67.85	2.95	28.26
MW-44C	45.03	7/12/2010	16.91	70.35	0.45	28.12
MW-44C	45.03	8/31/2010	16.89	70.63	0.17	28.14
MW-44C	45.03	1/12/2011	16.77	70.05	0.75	28.26
MW-44C	45.03	7/11/2011	19.31	70.05	0.75	25.72
MW-44C	45.03	1/27/2012	17.91	63.88	6.92	27.12
MW-44C	45.03	7/10/2012	17.61	63.7	7.10	27.42
MW-44C	45.03	1/8/2013	19.02	62.94	7.86	26.01
MW-44C	45.03	7/23/2013	20.36	70.26	0.54	24.67
MW-44C	45.03	1/8/2014	19.67	70.42	0.38	25.36
MW-44C	45.03	7/16/2014	18.72	69.31	1.49	26.31
MW-44C	45.03	1/5/2015	18.67	69.82	0.98	26.36
MW-44C	45.03	8/10/2015	16.31	70.29	0.51	28.72
MW-44C	45.03	1/13/2016	16.26	69.93	0.87	28.77
MW-44C	45.03	7/6/2016	16.47	69.71	1.09	28.56
MW-44C	45.03	1/12/2017	17.22	70.11	0.69	27.81
MW-44C	45.03	7/5/2017	17.33	70.34	0.46	27.70
MW-44C	45.03	9/6/2017	17.36	70.43	0.37	27.67
MW-44C	45.03	2/8/2018	17.77	70.34	0.46	27.26
MW-44C	45.03	5/15/2018	NM			
MW-44C	45.13	1/4/2019	18.42	70.41	0.39	26.71
MW-44C	45.13	7/9/2019	18.27			26.86
MW-44C	45.13	1/8/2020	16.81			28.32
MW-44C	45.13	7/7/2020	11.35			33.78
MW-44C	45.13	1/4/2021	16.15			28.98
MW-44C	45.13	7/8/2021	14.91			30.22
MW-44C	45.13	1/4/2022	16.03			29.1
MW-44C	45.13	7/6/2022	18.19			26.94
MW-44C	45.13	1/4/2023	17.37			27.76
MW-44C	45.13	7/6/2023	17.58			27.55
MW-45C	44.73	3/15/2004	17.15			27.58

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-45C	44.73	9/14/2004	17.82	61.66	9.02	26.91
MW-45C	44.73	7/18/2005	18.38	60.76	9.89	26.35
MW-45C	44.73	1/6/2006	19.51	62.87	8.87	25.22
MW-45C	44.73	7/27/2006	17.92	61.64	8.94	26.81
MW-45C	44.73	3/7/2007	15.95	60.81	9.79	28.78
MW-45C	44.73	7/27/2007	14.38			30.35
MW-45C	44.73	1/29/2008	14.86	61.39	9.46	29.87
MW-45C	44.73	7/14/2008	17.22	61.25	9.88	27.51
MW-45C	44.73	2/3/2009	17.00	61.24	9.61	27.73
MW-45C	44.73	7/23/2009	17.46	61.30	9.55	27.27
MW-45C	44.73	1/9/2010	14.98	61.56	9.29	29.75
MW-45C	44.73	5/27/2010	16.31	61.1	9.75	28.42
MW-45C	44.73	6/28/2010	16.42	63.45	7.40	28.31
MW-45C	44.73	7/12/2010	16.61	68.8	2.05	28.12
MW-45C	44.73	8/31/2010	16.46	69.62	1.23	28.27
MW-45C	44.73	1/12/2011	16.31	69.1	1.75	28.42
MW-45C	44.73	7/11/2011	18.29	69.3	1.55	26.44
MW-45C	44.73	3/8/2012	16.31	70.6	0.25	28.42
MW-45C	44.73	7/10/2012	20.69	70.21	0.64	24.04
MW-45C	44.73	1/8/2013	21.39	69.91	0.69	23.34
MW-45C	44.73	7/23/2013	22.72	70.39	0.21	22.01
MW-45C	44.73	1/8/2014	22.13	70.35	0.25	22.6
MW-45C	44.73	7/16/2014	21.32	69.91	0.69	23.41
MW-45C	44.73	1/5/2015	20.19	70.55	0.05	24.54
MW-45C	44.73	8/10/2015	18.61			26.12
MW-45C	44.73	1/13/2016	17.49			27.24
MW-45C	44.73	7/6/2016	17.62			27.11
MW-45C	44.73	1/12/2017	18.22			26.51
MW-45C	44.73	7/5/2017	17.96			26.77
MW-45C	44.73	9/6/2017	18.16			26.57
MW-45C	44.73	2/8/2018	18.62	70.6	0.00	26.11
MW-45C	44.73	3/11/2018	18.83			25.9
MW-45C	44.73	5/15/2018	19.61			25.12
MW-45C	44.73	1/4/2019	19.02			25.71
MW-45C	44.73	7/9/2019	18.39			26.34
MW-45C	44.73	1/7/2020	16.24			28.49
MW-45C	44.73	7/7/2020	16.3			28.43
MW-45C	44.73	1/4/2021	15.61			29.12
MW-45C	44.73	7/8/2021	14.39			30.34
MW-45C	44.73	1/4/2022	15.62			29.11
MW-45C	44.73	7/6/2022	17.98			26.75
MW-45C	44.73	1/4/2023	16.22			28.51
MW-45C	44.73	7/6/2023	17.22			27.51
MW-45C	44.73	10/5/2023	18.71			26.02
MW-45C	44.73	10/19/2023	18.71			26.02
MW-45C	44.73	11/2/2023	18.66			26.07
MW-45C	44.73	11/16/2023	18.4			26.33
MW-45C	44.73	11/30/2023	18.29			26.44
MW-45C	44.73	12/14/2023	18.05	Trace	Trace	26.68
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-46C	44.94	7/16/2014	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-46C	44.94	1/4/2023	16.91			28.03
MW-46C	44.94	7/6/2023	17.22			27.72
MW-47A	45.58	3/20/2020	9.26			36.32
MW-47A	45.58	6/1/2020	8.11			37.47
MW-47A	45.58	7/8/2020	8.01			37.57
MW-47A	45.58	1/5/2021	7.21			38.37
MW-47A	45.58	7/12/2021	5.21			40.37
MW-47A	45.58	1/4/2022	8.68			36.9
MW-47A	45.58	7/6/2022	9.37			36.21
MW-47A	45.58	1/4/2023	6.26			39.32
MW-47A	45.58	7/6/2023	9.54			36.04
MW-47C	45.61	7/27/2007	16.62			28.99
MW-47C	45.61	1/29/2008	16.04			29.57
MW-47C	45.61	7/14/2008	18.15			27.46
MW-47C	45.61	2/4/2009	18.39			27.22
MW-47C	45.61	7/23/2009	18.61			27
MW-47C	45.61	1/9/2010	16.46			29.15
MW-47C	45.61	7/12/2010	18.33			27.28
MW-47C	45.61	1/12/2011	17.86			27.75
MW-47C	45.61	7/11/2011	19.94			25.67
MW-47C	45.61	1/26/2012	18.77			26.84
MW-47C	45.61	7/9/2012	18.17			27.44
MW-47C	45.61	1/8/2013	19.47			26.14
MW-47C	45.61	7/23/2013	20.61			25
MW-47C	45.61	1/8/2014	19.57			26.04
MW-47C	45.61	7/16/2014	19.02			26.59
MW-47C	45.61	1/5/2015	19.07			26.54
MW-47C	45.61	8/10/2015	17.41			28.20
MW-47C	45.61	1/13/2016	16.83			28.78
MW-47C	45.61	7/6/2016	17.01			28.60
MW-47C	45.61	1/12/2017	17.59			28.02
MW-47C	45.52	7/5/2017	NM			
MW-47C	45.52	9/6/2017	NM			
MW-47C	45.52	1/7/2020	17.28			28.24
MW-47C	45.52	7/8/2020	17.4			28.12
MW-47C	45.52	1/5/2021	16.78			28.74
MW-47C	45.52	7/12/2021	15.21			30.31
MW-47C	45.52	1/4/2022	17.74			27.78
MW-47C	45.52	7/6/2022	18.73			26.79
MW-47C	45.52	1/4/2023	17.71			27.81
MW-47C	45.52	7/6/2203	18.08			27.44
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-48C	44.68	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-48C	44.68	1/4/2023	17.19			27.49
MW-48C	44.68	7/6/2023	18.17			26.51
MW-49A	46.18	3/7/2007	12.91			33.27
MW-49A	46.18	7/27/2007	8.86			37.32
MW-49A	46.18	1/31/2008	12.02			34.16
MW-49A	46.18	7/15/2008	12.99			33.19
MW-49A	46.18	2/4/2009	13.29			32.89
MW-49A	46.18	7/24/2009	13.71			32.47
MW-49A	46.18	1/9/2010	11.07			35.11
MW-49A	46.18	7/12/2010	11.62			34.56
MW-49A	46.18	1/12/2011	10.82			35.36
MW-49A	46.18	7/11/2011	12.31			33.87
MW-49A	46.18	1/26/2012	9.48			36.7
MW-49A	46.18	7/9/2012	9.79			36.39
MW-49A	46.18	1/8/2013	11.31			34.87
MW-49A	46.18	7/23/2013	11.92			34.26
MW-49A	46.18	1/8/2014	11.56			34.62
MW-49A	46.18	7/16/2014	10.57			35.61
MW-49A	46.18	1/5/2015	16.12			30.06
MW-49A	46.18	8/10/2015	9.61			36.57
MW-49A	46.18	1/13/2016	9.34			36.84
MW-49A	46.18	7/6/2016	9.57			36.61
MW-49A	46.18	1/12/2017	10.03			36.15
MW-49A	46.18	7/5/2017	10.32			35.86
MW-49A	46.18	9/6/2017	10.24			35.94
MW-49A	46.18	2/11/2018	10.29			35.89
MW-49A	46.18	3/11/2018	10.56			35.62
MW-49A	46.18	5/14/2018	12.34			33.84
MW-49A	46.18	1/4/2019	11.81			34.37
MW-49A	46.18	7/9/2019	11.21			34.97
MW-49A	46.18	1/7/2020	11.12			35.06
MW-49A	46.18	7/8/2020	10.4			35.78
MW-49A	46.18	1/5/2021	8.94			37.24
MW-49A	46.18	7/12/2021	6.42			39.76
MW-49A	46.18	1/4/2022	10.54			35.64
MW-49A	46.18	7/6/2022	10.29			35.89
MW-49A	46.18	1/4/2023	9.47			36.71
MW-49A	46.18	7/6/2023	10.12			36.06
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-49B	46.22	7/9/2012	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-49B	46.22	1/4/2023	7.62	20.17	8.33	38.6
MW-49B	46.22	7/6/2023	9.61	23.16	5.34	36.61
MW-50A	46.96	3/7/2007	8.16			38.8
MW-50A	46.96	7/27/2007	4.70			42.26
MW-50A	46.96	1/31/2008	5.68			41.28
MW-50A	46.96	7/16/2008	7.99			38.97
MW-50A	46.96	2/4/2009	9.31			37.65
MW-50A	46.96	7/24/2009	9.49			37.47
MW-50A	46.96	1/9/2010	7.02			39.94
MW-50A	46.96	7/12/2010	8.74			38.22
MW-50A	46.96	1/12/2011	5.61			41.35
MW-50A	46.96	7/11/2011	9.86			37.1
MW-50A	46.96	1/26/2012	7.21			39.75
MW-50A	46.96	7/9/2012	4.63			42.33
MW-50A	46.96	1/8/2013	5.91			41.05
MW-50A	46.96	7/23/2013	7.13			39.83
MW-50A	46.96	1/8/2014	6.71			40.25
MW-50A	46.96	7/16/2014	6.29			40.67
MW-50A	46.96	1/5/2015	6.22			40.74
MW-50A	46.96	8/10/2015	5.01			41.95
MW-50A	46.96	1/13/2016	4.06			42.90
MW-50A	46.96	7/6/2016	4.71			42.25
MW-50A	46.96	1/12/2017	5.21			41.75
MW-50A	46.96	7/5/2017	5.63			41.33
MW-50A	46.96	9/6/2017	5.51			41.45
MW-50A	46.96	2/11/2018	4.39			42.57
MW-50A	46.96	3/11/2018	4.81			42.15
MW-50A	46.96	5/15/2018	5.27			41.69
MW-50A	46.96	1/3/2019	4.62			42.34
MW-50A	46.96	7/9/2019	4.21			42.75
MW-50A	46.96	1/7/2020	7.09			39.87
MW-50A	46.96	7/8/2020	7.19			39.77
MW-50A	46.96	1/5/2021	4.82			42.14
MW-50A	46.96	7/12/2021	6.41			40.55
MW-50A	46.96	1/4/2022	7.31			39.65
MW-50A	46.96	7/6/2022	6.58			40.38
MW-50A	46.96	1/4/2023	4.72			42.24
MW-50A	46.96	7/6/2023	3.97			42.99
MW-50B	47.55	3/12/2020	8.37			39.18
MW-50B	47.55	5/26/2020	8.31			39.24
MW-50B	47.55	7/8/2020	7.91			39.64
MW-50B	47.55	1/5/2021	7.92			39.63
MW-50B	47.55	7/12/2021	3.61			43.94
MW-50B	47.55	1/4/2022	8.32			39.23
MW-50B	47.55	7/6/2022	9.12			38.43
MW-50B	47.55	1/4/2023	9.17			38.38
MW-50B	47.55	7/6/2023	7.34			40.21
MW-51A	47.80	3/7/2007	6.96			40.84
MW-51A	47.80	7/27/2007	5.45			42.35

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-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-51A	47.80	1/4/2023	6.54			41.26
MW-51A	47.80	7/6/2023	7.57			40.23
MW-51C	47.48	7/16/2014	22.21			25.27
MW-51C	47.48	1/5/2015	NM			NM
MW-51C	47.48	8/10/2015	18.79			28.69
MW-51C	47.48	1/13/2016	18.06			29.42
MW-51C	47.48	7/6/2016	18.26			29.22
MW-51C	47.48	1/12/2017	18.68			28.80
MW-51C	47.48	7/5/2017	19.12			28.36
MW-51C	47.48	9/6/2017	19.02			28.46
MW-51C	47.48	2/11/2018	17.63			29.85
MW-51C	47.48	3/12/2018	18.03			29.45
MW-51C	47.48	5/15/2018	20.83			26.65
MW-51C	47.48	1/3/2019	20.17			27.31
MW-51C	47.48	7/9/2019	20.39			27.09
MW-51C	47.48	1/7/2020	20.34			27.14
MW-51C	47.48	7/8/2020	18.05			29.43
MW-51C	47.48	1/5/2021	21.97			25.51
MW-51C	47.48	7/12/2021	16.51			30.97
MW-51C	47.48	1/4/2022	19.31			28.17
MW-51C	47.48	7/6/2022	21.41			26.07
MW-51C	47.48	1/4/2023	20.81			26.67
MW-51C	47.48	7/6/2023	21.89			25.59
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-52A	51.91	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-53C	45.49	1/4/2023	16.93			28.56
MW-53C	45.49	7/6/2023	17.32			28.17
MW-54B	45.25	3/11/2020	13.42			31.83
MW-54B	45.25	5/22/2020	13.70			31.55
MW-54B	45.25	7/7/2020	14.63			30.62
MW-54B	45.25	1/4/2021	13.41			31.84
MW-54B	45.25	7/8/2021	12.99			32.26
MW-54B	45.25	1/4/2022	11.92			33.33
MW-54B	45.25	7/6/2022	15.74			29.51
MW-54B	45.25	1/4/2023	14.15			31.1
MW-54B	45.25	7/6/2023	17.29			27.96
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-59A	44.18	7/9/2019	8.92			35.26
MW-59A	44.18	1/8/2020	9.21			34.97
MW-59A	44.18	7/8/2020	8.64			35.54
MW-59A	44.18	1/5/2021	7.72			36.46
MW-59A	44.18	7/8/2021	5.21			38.97
MW-59A	44.18	1/4/2022	8.92			35.26
MW-59A	44.18	7/6/2022	8.86			35.32
MW-59A	44.18	1/4/2023	6.97			37.21
MW-59A	44.18	7/6/2023	8.06			36.12
MW-59B	44.36	7/12/2010	7.43			36.93
MW-59B	44.36	1/12/2011	6.89			37.47
MW-59B	44.36	7/11/2011	11.03			33.33
MW-59B	44.36	1/26/2012	4.44			39.92
MW-59B	44.36	7/9/2012	7.48			36.88
MW-59B	44.36	1/8/2013	9.36			35
MW-59B	44.36	7/23/2013	9.94			34.42
MW-59B	44.36	1/8/2014	9.52			34.84
MW-59B	44.36	7/16/2014	8.67			35.69
MW-59B	44.36	1/5/2015	8.92			35.44
MW-59B	44.36	8/10/2015	5.91			38.45
MW-59B	44.36	1/13/2016	5.22			39.14
MW-59B	44.36	7/6/2016	5.39			38.97
MW-59B	44.36	1/12/2017	5.97			38.39
MW-59B	44.36	7/5/2017	6.27			38.09
MW-59B	44.36	9/6/2017	6.06			38.30
MW-59B	44.36	2/11/2018	7.59			36.77
MW-59B	44.36	3/12/2018	9.61			34.75
MW-59B	44.36	5/14/2018	9.09			35.27
MW-59B	44.36	1/4/2019	8.27			36.09
MW-59B	44.36	7/9/2019	9.06			35.3
MW-59B	44.36	1/8/2020	9.17			35.19
MW-59B	44.36	7/8/2020	8.51			35.85
MW-59B	44.36	1/5/2021	7.61			36.75
MW-59B	44.36	7/8/2021	6.1			38.26
MW-59B	44.36	1/4/2022	8.81			35.55
MW-59B	44.36	7/6/2022	8.72			35.64
MW-59B	44.36	1/4/2023	6.72			37.64
MW-59B	44.36	7/6/2023	7.91			36.45
MW-59D	44.22	2/5/2009	84.17			-39.95
MW-59D	44.22	7/23/2009	83.53			-39.31
MW-59D	44.22	1/9/2010	81.73			-37.51
MW-59D	44.22	7/12/2010	82.16			-37.94
MW-59D	44.22	1/12/2011	82.83			-38.61
MW-59D	44.22	7/11/2011	82.89			-38.67
MW-59D	44.22	1/26/2012	82.93			-38.71
MW-59D	44.22	7/9/2012	82.36			-38.14
MW-59D	44.22	1/8/2013	82.81			-38.59
MW-59D	44.22	7/23/2013	83.04			-38.82
MW-59D	44.22	1/8/2014	83.14			-38.92
MW-59D	44.22	7/16/2014	82.67			-38.45
MW-59D	44.22	1/5/2015	82.07			-37.85
MW-59D	44.22	8/10/2015	81.77			-37.55
MW-59D	44.22	1/13/2016	81.03			-36.81
MW-59D	44.22	7/6/2016	81.62			-37.40
MW-59D	44.22	1/12/2017	82.09			-37.87
MW-59D	44.22	7/5/2017	82.17			-37.95
MW-59D	44.22	9/6/2017	82.16			-37.94
MW-59D	44.22	2/11/2018	81.09			-36.87
MW-59D	44.22	3/12/2018	81.17			-36.95
MW-59D	44.22	5/14/2018	81.79			-37.57
MW-59D	44.22	1/4/2019	81.02			-36.8
MW-59D	44.22	7/9/2019	81.31			-37.09
MW-59D	44.22	1/8/2020	83.06			-38.84
MW-59D	44.22	7/8/2020	79.56			-35.34
MW-59D	44.22	1/5/2021	79.65			-35.43
MW-59D	44.22	7/8/2021	79.21			-34.99
MW-59D	44.22	1/4/2022	79.74			-35.52
MW-59D	44.22	7/6/2022	80.66			-36.44
MW-59D	44.22	1/4/2023	81.46			-37.24
MW-59D	44.22	7/6/2023	82.16			-37.94
MW-60A	46.79	2/4/2009	9.56			37.23
MW-60A	46.79	7/23/2009	9.71			37.08

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-60A	46.79	1/9/2010	7.72			39.07
MW-60A	46.79	7/12/2010	8.61			38.18
MW-60A	46.79	1/12/2011	5.82			40.97
MW-60A	46.79	7/11/2011	9.86			36.93
MW-60A	46.79	1/26/2012	4.34			42.45
MW-60A	46.79	7/9/2012	5.42			41.37
MW-60A	46.79	1/8/2013	6.91			39.88
MW-60A	46.79	7/23/2013	10.42			36.37
MW-60A	46.79	1/8/2014	8.06			38.73
MW-60A	46.79	7/16/2014	7.29			39.50
MW-60A	46.79	1/5/2015	7.39			39.40
MW-60A	46.79	8/10/2015	6.32			40.47
MW-60A	46.79	1/13/2016	5.67			41.12
MW-60A	46.79	7/6/2016	6.13			40.66
MW-60A	46.79	1/12/2017	NM			
MW-60A	46.79	9/6/2017	NM			
MW-60A	46.79	2/11/2018	3.49			43.30
MW-60A	46.79	3/12/2018	3.71			43.08
MW-60A	46.79	5/14/2018	5.19			41.60
MW-60A	46.79	1/4/2019	4.33			42.46
MW-60A	46.79	7/9/2019	5.52			41.27
MW-60AR	47.09	3/20/2020	8.03			39.06
MW-60AR	47.09	6/1/2020	7.42			39.67
MW-60AR	47.09	7/8/2020	7.22			39.87
MW-60AR	47.09	1/5/2021	5.91			41.18
MW-60AR	47.09	7/12/2021	4.19			42.90
MW-60AR	47.09	1/4/2022	7.44			39.65
MW-60AR	47.09	7/6/2022	8.04			39.05
MW-60AR	47.09	1/4/2023	5.69			41.40
MW-60AR	47.09	7/6/2023	8.52			38.57
MW-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-60B	47.04	1/4/2023	5.37			41.67
MW-60B	47.04	7/6/2023	8.82			38.22
MW-61A	44.67	2/3/2009	8.35			36.32
MW-61A	44.67	7/23/2009	8.47			36.2
MW-61A	44.67	1/9/2010	6.49			38.18
MW-61A	44.67	7/12/2010	8.09			36.58
MW-61A	44.67	1/12/2011	6.56			38.11
MW-61A	44.67	7/11/2011	9.67			35
MW-61A	44.67	1/26/2012	2.48			42.19
MW-61A	44.67	7/9/2012	4.55			40.12
MW-61A	44.67	1/8/2013	6.72			37.95
MW-61A	44.67	7/23/2013	9.16			35.51
MW-61A	44.67	1/8/2014	7.04			37.63
MW-61A	44.67	7/16/2014	6.34			38.33
MW-61A	44.67	1/5/2015	6.52			38.15
MW-61A	44.67	8/10/2015	4.02			40.65
MW-61A	44.67	1/13/2016	3.34			41.33
MW-61A	44.67	7/6/2016	3.97			40.70
MW-61A	44.67	1/12/2017	4.34			40.33
MW-61A	44.67	7/5/2017	4.47			40.20
MW-61A	44.67	9/6/2017	4.39			40.28
MW-61A	44.67	2/11/2018	5.52			39.15
MW-61A	44.67	3/12/2018	6.62			38.05
MW-61A	44.67	5/14/2018	6.27			38.40
MW-61A	44.67	1/4/2019	5.58			39.09
MW-61A	44.67	7/9/2019	6.96			37.71
MW-61A	44.67	1/8/2020	4.87			39.8
MW-61A	44.67	7/8/2020	6.41			38.26
MW-61A	44.67	1/5/2021	4.75			39.92
MW-61A	44.67	7/8/2021	2.55			42.12
MW-61A	44.67	1/4/2022	6.13			38.54
MW-61A	44.67	7/6/2022	5.66			39.01
MW-61A	44.67	1/4/2023	5.71			38.96
MW-61A	44.67	7/6/2023	8.81			35.86
MW-61B	45.09	3/17/2020	8.31			36.78

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-61B	45.09	6/1/2020	4.67			40.42
MW-61B	45.09	7/8/2020	5			40.09
MW-61B	45.09	1/5/2021	2.6			42.49
MW-61B	45.09	7/8/2021	0			45.09
MW-61B	45.09	1/4/2022	1.67			43.42
MW-61B	45.09	7/6/2022	3.64			41.45
MW-61B	45.09	1/4/2023	2.13			42.96
MW-61B	45.09	7/6/2023	5.34			39.75
MW-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-62B	48.16	1/4/2023	2.77			45.39
MW-62B	48.16	7/6/2023	4.46			43.7
MW-63B	44.48	2/5/2009	31.54			12.94
MW-63B	44.48	7/23/2009	9.52			34.96
MW-63B	44.48	1/9/2010	1.34			43.14
MW-63B	44.48	7/12/2010	5.71			38.77
MW-63B	44.48	1/13/2011	7.13			37.35
MW-63B	44.48	7/11/2011	4.21			40.27
MW-63B	44.48	1/27/2012	2.96			41.52
MW-63B	44.48	7/10/2012	1.32			43.16
MW-63B	44.48	1/8/2013	8.54			35.94
MW-63B	44.48	7/23/2013	9.43			35.05
MW-63B	44.48	1/8/2014	7.72			36.76
MW-63B	44.48	7/16/2014	7.03			37.45
MW-63B	44.48	1/5/2015	7.09			37.39
MW-63B	44.48	8/10/2015	5.34			39.14
MW-63B	44.48	1/13/2016	4.69			39.79
MW-63B	44.48	7/6/2016	5.01			39.47
MW-63B	44.48	1/12/2017	5.84			38.64
MW-63B	44.48	7/5/2017	6.19			38.29
MW-63B	44.48	9/6/2017	6.12			38.36
MW-63B	44.48	2/11/2018	5.31			39.17
MW-63B	44.48	3/11/2018	6.39			38.09
MW-63B	44.48	5/14/2018	7.19			37.29
MW-63B	44.48	1/4/2019	6.47			38.01
MW-63B	44.48	7/9/2019	3.96			40.52
MW-63B	44.48	1/7/2020	4.34			40.14
MW-63B	44.48	7/7/2020	6.63			37.85
MW-63B	44.48	1/4/2021	1.51			42.97
MW-63B	44.48	7/6/2021	4.71			39.77
MW-63B	44.48	1/4/2022	4.87			39.61
MW-63B	44.48	7/6/2022	7.04			37.44
MW-63B	44.48	1/4/2023	5.37			39.11

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-63B	44.48	7/6/2023	5.77			38.71
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-64A	48.31	1/4/2023	4.16			44.15
MW-64A	48.31	7/6/2023	6.29			42.02
MW-65D	44.55	2/5/2009	86.72			-42.17
MW-65D	44.55	7/23/2009	86.47			-41.92
MW-65D	44.55	1/9/2010	84.39			-39.84
MW-65D	44.55	7/12/2010	84.39			-39.84
MW-65D	44.55	1/12/2011	83.96			-39.41
MW-65D	44.55	7/11/2011	85.81			-41.26
MW-65D	44.55	1/27/2012	85.76			-41.21
MW-65D	44.55	1/8/2013	85.81			-41.26
MW-65D	44.55	7/23/2013	85.83			-41.28
MW-65D	44.55	1/8/2014	85.78			-41.23
MW-65D	44.55	7/16/2014	84.91			-40.36
MW-65D	44.55	1/5/2015	85.31			-40.76
MW-65D	44.55	8/10/2015	85.06			-40.51
MW-65D	44.55	1/13/2016	84.81			-40.26
MW-65D	44.55	7/6/2016	85.09			-40.54
MW-65D	44.55	1/12/2017	85.52			-40.97
MW-65D	44.55	7/5/2017	85.72			-41.17
MW-65D	44.55	9/6/2017	85.7			-41.15
MW-65D	44.55	2/11/2018	83.42			-38.87
MW-65D	44.55	3/12/2018	83.28			-38.73
MW-65D	44.55	5/14/2018	83.74			-39.19
MW-65D	44.55	1/4/2019	83.03			-38.48
MW-65D	44.55	7/9/2019	82.71			-38.16
MW-65D	44.55	1/8/2020	83.29			-38.74
MW-65D	44.55	7/7/2020	82.49			-37.94
MW-65D	44.55	1/4/2021	82.41			-37.86
MW-65D	44.55	7/28/2021	82.05			-37.5
MW-65D	44.55	1/4/2022	83.06			-38.51
MW-65D	44.55	7/6/2022	83.27			-38.72
MW-65D	44.55	1/4/2023	84.21			-39.66
MW-65D	44.55	7/6/2023	85.01			-40.46
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-66D	46.51	1/8/2013	86.09			-39.58
MW-66D	46.51	7/23/2013	86.42			-39.91
MW-66D	46.51	1/8/2014	86.09			-39.58
MW-66D	46.51	7/16/2014	85.26			-38.75
MW-66D	46.51	1/5/2015	85.42			-38.91
MW-66D	46.51	8/10/2015	85.21			-38.70
MW-66D	46.51	1/13/2016	84.71			-38.20
MW-66D	46.51	7/6/2016	84.86			-38.35
MW-66D	46.51	1/12/2017	85.26			-38.75
MW-66D	46.51	7/5/2017	85.66			-39.15
MW-66D	46.51	9/6/2017	85.67			-39.16
MW-66D	46.51	2/11/2018	83.28			-36.77
MW-66D	46.51	3/12/2018	83.37			-36.86
MW-66D	46.51	5/14/2018	84.06			-37.55
MW-66D	46.51	1/4/2019	83.36			-36.85
MW-66D	46.51	7/9/2019	82.99			-36.48
MW-66D	46.51	1/8/2020	81.26			-34.75
MW-66D	46.51	7/8/2020	81.62			-35.11
MW-66D	46.51	1/5/2021	81.65			-35.14
MW-66D	46.51	7/22/2021	81.62			-35.11
MW-66D	46.51	1/4/2022	82.17			-35.66
MW-66D	46.51	7/6/2022	82.79			-36.28
MW-66D	46.51	1/4/2023	83.28			-36.77
MW-66D	46.51	7/6/2023	84.09			-37.58
MW-67B	43.93	7/12/2010	5.76			38.17
MW-67B	43.93	1/13/2011	10.62			33.31
MW-67B	43.93	7/11/2011	17.64			26.29
MW-67B	43.93	1/27/2012	9.87			34.06
MW-67B	43.93	7/10/2012	11.19			32.74
MW-67B	43.93	1/8/2013	11.72			32.21
MW-67B	43.93	7/23/2013	10.69			33.24
MW-67B	43.93	1/8/2014	10.64			33.29
MW-67B	43.93	7/16/2014	11.22			32.71
MW-67B	43.93	1/5/2015	10.22			33.71
MW-67B	43.93	1/13/2016	6.17			37.76
MW-67B	43.93	7/6/2016	6.39			37.54
MW-67B	43.93	1/12/2017	7.04			36.89
MW-67B	43.93	7/5/2017	7.14			36.79
MW-67B	43.93	9/6/2017	6.97			36.96
MW-67B	43.93	2/11/2018	8.89			35.04
MW-67B	43.93	3/12/2018	9.13			34.80
MW-67B	43.93	5/14/2018	10.16			33.77
MW-67B	43.93	1/4/2019	9.42			34.51
MW-67B	43.93	7/9/2019	9.09			34.84
MW-67B	43.93	1/7/2020	9.02			34.91
MW-67B	43.93	7/7/2020	9.31			34.62
MW-67B	43.93	1/4/2021	7.84			36.09
MW-67B	43.93	7/6/2021	3.55			40.38
MW-67B	43.93	1/4/2022	7.86			36.07
MW-67B	43.93	7/6/2022	11.02			32.91
MW-67B	43.93	1/4/2023	9.12			34.81
MW-67B	43.93	7/6/2023	9.56			34.37
MW-68A	43.24	5/29/2019	5.33			37.91
MW-68A	43.24	7/9/2019	5.01			38.23
MW-68A	43.24	1/7/2020	4.28			38.96
MW-68A	43.24	7/7/2020	4.73			38.51
MW-68A	43.24	1/4/2021	2.71			40.53
MW-68A	43.24	7/6/2021	0.91			42.33
MW-68A	43.24	1/5/2022	2.76			40.48
MW-68A	43.24	7/6/2022	6.71			36.53
MW-68A	43.24	1/4/2023	2.31			40.93
MW-68A	43.24	7/6/2023	6.33			22.75
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-68B	44.63	1/12/2017	3.86			40.77
MW-68B	44.63	7/5/2017	3.97			40.66
MW-68B	44.63	9/6/2017	3.84			40.79
MW-68B	44.63	2/11/2018	3.07			41.56
MW-68B	44.63	3/12/2018	4.24			40.39
MW-68B	44.63	5/14/2018	6.46			38.17
MW-68B	44.63	1/4/2019	5.82			38.81
MW-68B	44.63	7/9/2019	5.78			38.85
MW-68B	44.63	1/7/2020	4.82	34.21	3.24	39.81
MW-68B	44.63	7/7/2020	4.79	37.4	0.05	39.84
MW-68B	44.63	1/4/2021	2.71			41.92
MW-68B	44.63	7/6/2021	0.63			44
MW-68B	44.63	1/5/2022	3.92			40.71
MW-68B	44.63	7/6/2022	6.68			37.95
MW-68B	44.63	1/4/2023	1.63			43
MW-68B	44.63	7/6/2023	6.63			37.8
MW-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-68C	44.80	1/4/2023	17.72			27.08
MW-68C	44.80	7/6/2023	18.04			26.76
MW-69A	45.71	7/12/2010	11.81			33.9
MW-69A	45.71	1/12/2011	11.16			34.55
MW-69A	45.71	7/11/2011	NM			
MW-69A	45.71	1/26/2012	10.44			35.27
MW-69A	45.71	7/9/2012	4.21			41.5
MW-69A	45.71	1/8/2013	5.31			40.4
MW-69A	45.71	7/23/2013	7.34			38.37
MW-69A	45.71	1/8/2014	7.02			38.69
MW-69A	45.71	7/16/2014	6.34			39.37
MW-69A	45.71	1/5/2015	6.71			39.00
MW-69A	45.71	8/10/2015	3.61			42.10
MW-69A	45.71	1/13/2016	2.91			42.80
MW-69A	45.71	7/6/2016	3.79			41.92
MW-69A	45.71	1/12/2017	4.34			41.37
MW-69A	45.71	7/5/2017	4.59			41.12
MW-69A	45.71	9/6/2017	4.43			41.28
MW-69A	45.71	2/11/2018	11.21			34.50
MW-69A	45.71	3/11/2018	12.58			33.13
MW-69A	45.71	5/14/2018	11.34			34.37
MW-69A	45.71	1/4/2019	10.61			35.1
MW-69A	45.71	7/9/2019	9.71			36
MW-69A	45.71	7/8/2020	11.26			34.45
MW-69A	45.71	1/5/2021	11.22			34.49
MW-69A	45.71	7/8/2021	8.63			37.08
MW-69A	45.71	1/4/2022	11.23			34.48
MW-69A	45.71	7/6/2022	11.06			34.65
MW-69A	45.71	1/4/2023	10.04			35.67

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-69A	45.71	7/6/2023	12.13			33.58
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
MW-70B	44.86	1/4/2019	6.96	35.31	0.34	37.9
MW-70B	44.86	7/9/2019	6.57	35.01	0.64	38.29
MW-70B	44.86	7/7/2020	5.55	31.2	4.45	39.31
MW-70B	44.86	1/4/2021	5.04	34.28	1.37	39.82
MW-70B	44.86	7/6/2021	4.33	34.91	1.74	40.53
MW-70B	44.86	1/4/2022	5.51			39.35
MW-70B	44.86	7/6/2022	7.27			37.59
MW-70B	44.86	1/4/2023	5.29			39.57
MW-70B	44.86	7/6/2023	6.34	34.61	0.69	38.52
MW-70C	45.07	3/12/2020	16.04			29.03
MW-70C	45.07	7/7/2020	16.8			28.27
MW-70C	45.07	1/4/2021	15.84			29.23
MW-70C	45.07	7/6/2021	14.42			30.65
MW-70C	45.07	1/4/2022	15.17			29.9
MW-70C	45.07	7/6/2022	18.77			26.3
MW-70C	45.07	1/4/2023	17.84			27.23
MW-70C	45.07	7/6/2023	18.02			27.05
MW-71B	44.59	1/27/2012	7.08			37.51
MW-71B	44.59	7/10/2012	8.16			36.43
MW-71B	44.59	1/8/2013	4.09			40.5
MW-71B	44.59	7/23/2013	8.61			35.98
MW-71B	44.59	1/8/2014	16.36			28.23
MW-71B	44.59	7/16/2014	16.02			28.57
MW-71B	44.59	1/5/2015	15.83			28.76
MW-71B	44.59	8/10/2015	13.76			30.83
MW-71B	44.59	1/13/2016	13.09			31.50
MW-71B	44.59	7/6/2016	13.31			31.28
MW-71B	44.59	1/12/2017	13.94			30.65
MW-71B	44.59	7/5/2017	14.34			30.25
MW-71B	44.59	9/6/2017	14.21			30.38
MW-71B	44.59	1/25/2018	0.76			43.83
MW-71B	44.59	3/12/2018	1.61			42.98
MW-71B	44.59	5/14/2018	2.26			42.33
MW-71B	44.59	1/4/2019	1.58			43.01
MW-71B	44.59	7/9/2019	0.62			43.97
MW-71B	44.59	1/8/2020	1.12			43.47
MW-71B	44.59	7/7/2020	0.8			43.79
MW-71B	44.59	1/4/2021	0.24			44.35
MW-71B	44.59	7/8/2021	0.36			44.23
MW-71B	44.59	1/4/2022	2.16			42.43
MW-71B	44.59	7/6/2022	1.93			42.66
MW-71B	44.59	1/4/2023	0.29			44.3
MW-71B	44.59	7/6/2023	1.34			43.25
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-76B	47.98	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-76B	47.98	1/4/2023	4.93			43.05
MW-76B	47.98	7/6/2023	4.33			43.65
MW-76C	47.84	7/16/2014	22.68			25.16
MW-76C	47.84	1/5/2015	23.41			24.43
MW-76C	47.84	8/10/2015	21.19			26.65
MW-76C	47.84	1/13/2016	20.81			27.03
MW-76C	47.84	7/6/2016	21.09			26.75
MW-76C	47.84	1/12/2017	21.67			26.17
MW-76C	47.84	7/5/2017	21.99			25.85
MW-76C	47.84	9/6/2017	21.93			25.91
MW-76C	47.84	2/11/2018	20.74			27.10
MW-76C	47.84	3/12/2018	21.02			26.82
MW-76C	47.84	5/15/2018	21.46			26.38
MW-76C	47.84	1/4/2019	20.67			27.17
MW-76C	47.84	7/9/2019	20.18			27.66
MW-76C	47.84	1/7/2020	20.68			27.16
MW-76C	47.84	7/8/2020	19.81			28.03
MW-76C	47.84	1/5/2021	19.11			28.73
MW-76C	47.84	7/27/2021	17.81			30.03
MW-76C	47.84	1/4/2022	20.32			27.52
MW-76C	47.84	7/6/2022	22.54			25.3
MW-76C	47.84	1/4/2023	21.87			25.97
MW-76C	47.84	7/6/2023	22.26			25.58
MW-77A	49.05	7/16/2014	6.62			42.43
MW-77A	49.05	1/5/2015	6.27			42.78
MW-77A	49.05	8/10/2015	4.34			44.71
MW-77A	49.05	1/13/2016	3.96			45.09
MW-77A	49.05	7/6/2016	4.29			44.76
MW-77A	49.05	1/12/2017	4.73			44.32
MW-77A	49.05	7/5/2017	4.91			44.14
MW-77A	49.05	9/6/2017	4.78			44.27
MW-77A	49.05	2/11/2018	7.62			41.43
MW-77A	49.05	3/12/2018	8.09			40.96
MW-77A	49.05	5/15/2018	7.06			41.99
MW-77A	49.05	1/4/2019	6.34			42.71
MW-77A	49.05	7/9/2019	6.11			42.94
MW-77A	49.05	1/7/2020	6.81			42.24
MW-77A	49.05	7/8/2020	6.54			42.51
MW-77A	49.05	1/5/2021	5.02			44.03
MW-77A	49.05	7/27/2021	4.41			44.64
MW-77A	49.05	1/4/2022	6.22			42.83
MW-77A	49.05	7/6/2022	6.98			42.07
MW-77A	49.05	1/4/2023	7.07			41.98
MW-77A	49.05	7/6/2023	5.77			43.28
MW-78A	48.68	7/16/2014	8.02			40.66
MW-78A	48.68	1/5/2015	9.17	21.17	4.18	39.51
MW-78A	48.68	8/10/2015	7.34	23.71	1.64	41.34
MW-78A	48.68	1/13/2016	6.63	21.77	3.58	42.05
MW-78A	48.68	7/6/2016	6.71	21.97	3.38	41.97
MW-78A	48.68	1/12/2017	7.42	22.74	2.61	41.26
MW-78A	48.68	7/5/2017	7.79	23.59	1.76	40.89
MW-78A	48.68	9/6/2017	7.81	23.48	1.87	40.87
MW-78A	48.68	2/11/2018	8.29	23.97	1.38	40.39
MW-78A	48.68	3/12/2018	8.46	23.91	1.44	40.22
MW-78A	48.68	5/15/2018	9.28	24.07	1.28	39.4
MW-78A	48.68	1/4/2019	8.78	24.39	0.96	39.9
MW-78A	48.68	7/9/2019	9.17	24.67	0.68	39.51
MW-78A	48.68	1/8/2020	7.96	24.9	0.45	40.72
MW-78A	48.68	7/8/2020	8.41	19.7	5.65	40.27
MW-78A	48.68	1/5/2021	7.48	25.09	0.26	41.2
MW-78A	48.68	7/27/2021	6.22			42.46
MW-78A	48.68	1/4/2022	8.13			40.55
MW-78A	48.68	7/6/2022	9.14			39.54
MW-78A	48.68	1/4/2023	8.47			40.21
MW-78A	48.68	7/6/2023	7.12			41.56

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-82B	44.64	1/21/2022	2.98			41.66
MW-82B	44.64	7/6/2022	NM			
MW-82B	44.64	1/4/2023	2.37			42.27
MW-82B	44.64	7/6/2023	4.64			40.00
MW-83B	45.33	2/11/2018	4.06			41.27
MW-83B	45.33	3/11/2018	4.69			40.64
MW-83B	45.33	5/14/2018	7.47			37.86
MW-83B	45.33	7/19/2018	5.87			39.46
MW-83B	45.33	1/4/2019	6.82			38.51
MW-83B	45.33	7/9/2019	6.11			39.22
MW-83B	45.33	1/8/2020	5.33			40
MW-83B	45.33	7/7/2020	5.04			40.29
MW-83B	45.33	1/4/2021	2.99			42.34
MW-83B	45.33	7/6/2021	1.63			43.7
MW-83B	45.33	1/4/2022	4.42			40.91
MW-83B	45.33	7/6/2022	7.42			37.91
MW-83B	45.33	1/4/2023	3.04			42.29
MW-83B	45.33	7/6/2023	7.51			37.82
MW-83C	45.42	2/11/2018	17.52			27.90
MW-83C	45.42	3/11/2018	16.96			28.46
MW-83C	45.42	5/14/2018	18.11			27.31
MW-83C	45.42	1/4/2019	17.42			28.00
MW-83C	45.42	7/9/2019	17.17			28.25
MW-83C	45.42	1/8/2020	17.74			27.68
MW-83C	45.42	7/7/2020	15.58			29.84
MW-83C	45.42	1/4/2021	16.95			28.47
MW-83C	45.42	7/6/2021	15.04			30.38
MW-83C	45.42	1/4/2022	15.22			30.2
MW-83C	45.42	7/6/2022	18.51			26.91
MW-83C	45.42	1/4/2023	18.47			26.95
MW-83C	45.42	7/6/2023	18.84			26.58
MW-84A	44.67	3/12/2020	4.19			40.48
MW-84A	44.67	5/21/2020	5.83			38.84
MW-84A	44.67	7/7/2020	4.71			39.96
MW-84A	44.67	1/4/2021	4.06			40.61
MW-84A	44.67	7/6/2021	0.61			44.06
MW-84A	44.67	1/5/2022	4.11			40.56
MW-84A	44.67	7/6/2022	6.92			37.75
MW-84A	44.67	1/4/2023	2.86			41.81
MW-84A	44.67	7/6/2023	7.53			37.14
MW-84B	44.50	2/11/2018	4.37			40.13
MW-84B	44.50	3/11/2018	4.93			39.57
MW-84B	44.50	5/14/2018	7.36			37.14
MW-84B	44.50	7/19/2018	6.07			38.43
MW-84B	44.50	1/4/2019	6.71			37.79
MW-84B	44.50	7/9/2019	7.09			37.41
MW-84B	44.50	1/7/2020	4.38			40.12
MW-84B	44.50	7/7/2020	5.23			39.27
MW-84B	44.50	1/4/2021	3.19			41.31
MW-84B	44.50	7/6/2021	2.35			42.15
MW-84B	44.50	1/5/2022	4.64			39.86
MW-84B	44.50	7/6/2022	8.07			36.43
MW-84B	44.50	1/4/2023	4.06			40.44
MW-84B	44.50	7/6/2023	7.57			36.93
MW-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
MW-85C	49.10	7/12/2021	17.61			31.49
MW-85C	49.10	1/4/2022	21.61			27.49
MW-85C	49.10	7/6/2022	23.87			25.23
MW-85C	49.10	1/4/2023	23.02			26.08
MW-85C	49.10	7/6/2023	22.91			26.19
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-86C	46.61	1/8/2020	21.09			25.52
MW-86C	46.61	7/8/2020	19.79			26.82
MW-86C	46.61	1/5/2021	19.1			27.51
MW-86C	46.61	7/27/2021	17.08			29.53
MW-86C	46.61	1/4/2022	19.33			27.28
MW-86C	46.61	7/6/2022	21.37			25.24
MW-86C	46.61	1/4/2023	20.78			25.83
MW-86C	46.61	7/6/2023	20.96			25.65
MW-87C	44.26	2/11/2018	15.86			28.40
MW-87C	44.26	3/11/2018	16.29			27.97
MW-87C	44.26	5/14/2018	16.26			28.00
MW-87C	44.26	1/4/2019	15.52			28.74
MW-87C	44.26	7/9/2019	15.83			28.43
MW-87C	44.26	1/8/2020	15.79			28.47
MW-87C	44.26	7/7/2020	16			28.26
MW-87C	44.26	1/4/2021	15.28			28.98
MW-87C	44.26	7/8/2021	13.99			30.27
MW-87C	44.26	1/4/2022	15.41			28.85
MW-87C	44.26	7/6/2022	17.52			26.74
MW-87C	44.26	1/4/2023	16.17			28.09
MW-87C	44.26	7/6/2023	16.87			27.39
MW-88A	51.49	3/17/2020	8.00			43.49
MW-88A	51.49	5/20/2020	8.59			42.9
MW-88A	51.49	7/8/2020	7.39			44.10
MW-88A	51.49	1/6/2021	6.49			45.00
MW-88A	51.49	7/6/2021	5.26			46.23
MW-88A	51.49	1/4/2022	7.34			44.15
MW-88A	51.49	7/6/2022	8.57			42.92
MW-88A	51.49	1/4/2023	6.58			44.91
MW-88A	51.49	7/6/2023	7.93			43.56
MW-88B	51.57	3/17/2020	7.82			43.75
MW-88B	51.57	5/20/2020	8.55			43.02
MW-88B	51.57	7/8/2020	7.46			44.11
MW-88B	51.57	1/6/2021	6.5			45.07
MW-88B	51.57	7/6/2021	5.44			46.13
MW-88B	51.57	1/4/2022	7.52			44.05
MW-88B	51.57	7/6/2022	8.73			42.84
MW-88B	51.57	1/4/2023	6.77			44.8
MW-88B	51.57	7/6/2023	8.06			43.51
MW-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-88C	51.17	1/4/2023	25.44			25.73
MW-88C	51.17	7/6/2023	25.58			25.59
MW-89B	44.57	7/19/2018	6.78			37.79
MW-89B	44.57	1/4/2019	8.21			36.36
MW-89B	44.57	7/9/2019	7.74			36.83
MW-89B	44.57	1/7/2020	6.24			38.33
MW-89B	44.57	7/7/2020	6.89			37.68
MW-89B	44.57	1/4/2021	1.62			42.95
MW-89B	44.57	7/6/2021	0.82			43.75
MW-89B	44.57	1/5/2022	4.81			39.76
MW-89B	44.57	7/6/2022	8.67			35.9
MW-89B	44.57	1/4/2023	5.06			39.51
MW-89B	44.57	7/6/2023	8.37			36.2
MW-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-90B	44.39	1/4/2023	3.09			41.3
MW-90B	44.39	7/6/2023	7.22			37.17
MW-91A	44.02	3/12/2020	5.21			38.81
MW-91A	44.02	7/7/2020	6.01			38.01
MW-91A	44.02	1/4/2021	3.5			40.52
MW-91A	44.02	7/8/2021	1.18			42.84
MW-91A	44.02	1/4/2022	5.32			38.7
MW-91A	44.02	7/6/2022	8.24			35.78
MW-91A	44.02	1/4/2023	3.36			40.66
MW-91A	44.02	7/6/2023	7.87			36.15
MW-92B	44.91	3/12/2020	4.19			40.72
MW-92B	44.91	5/22/2020				44.91
MW-92B	44.91	7/7/2020	5.68			39.23
MW-92B	44.91	1/4/2021	3.49			41.42
MW-92B	44.91	7/6/2021	1.9			43.01
MW-92B	44.91	1/5/2022	4.26			40.65
MW-92B	44.91	7/6/2022	7.28			37.63
MW-92B	44.91	1/4/2023	3.49			41.42
MW-92B	44.91	7/6/2023	5.62			39.29
MW-93B	45.05	3/12/2020	4.06			40.99
MW-93B	45.05	5/22/2020	5.91			39.14
MW-93B	45.05	7/7/2020	5.44			39.61
MW-93B	45.05	1/4/2021	2.67			42.38
MW-93B	45.05	7/6/2021	1.51			43.54
MW-93B	45.05	1/5/2022	3.64			41.41
MW-93B	45.05	7/6/2022	6.33			38.72
MW-93B	45.05	1/4/2023	2.31			42.74
MW-93B	45.05	7/6/2023	6.06			38.99
MW-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-94A	45.21	1/4/2023	2.32			42.89
MW-94A	45.21	7/6/2023	4.97			40.24
MW-95A	46.19	3/17/2020	3.88			42.31
MW-95A	46.19	5/22/2020	4.84			41.35
MW-95A	46.19	7/7/2020	3.91			42.28
MW-95A	46.19	1/4/2021	2.31			43.88
MW-95A	46.19	7/6/2021	0			46.19
MW-95A	46.19	1/5/2022	3.26			42.93
MW-95A	46.19	7/6/2022	3.42			42.77
MW-95A	46.19	1/4/2023	1.23			44.96
MW-95A	46.19	7/6/2023	2.64			43.55
MW-96B	47.02	3/17/2020	4.28			42.74
MW-96B	47.02	5/22/2020	5.54			41.48
MW-96B	47.02	7/7/2020	4.89			42.13
MW-96B	47.02	1/4/2021	2.58			44.44
MW-96B	47.02	7/6/2021	0.8			46.22
MW-96B	47.02	1/5/2022	1.39			45.63
MW-96B	47.02	7/6/2022	3.52			43.5
MW-96B	47.02	1/4/2023	0.34			46.68
MW-96B	47.02	7/6/2023	1.77			45.25
MW-97A	47.77	3/12/2020	5.20			42.57
MW-97A	47.77	5/22/2020	5.52			42.25
MW-97A	47.77	7/8/2020	5.72			42.05
MW-97A	47.77	1/5/2021	6.05			41.72
MW-97A	47.77	7/12/2021	5.25			42.52
MW-97A	47.77	1/4/2022	5.41			42.36
MW-97A	47.77	7/6/2022	5.61			42.16
MW-97A	47.77	1/4/2023	6.72			41.05
MW-97A	47.77	7/6/2023	4.94			42.83
MW-98A	48.35	3/12/2020	7.19			41.16
MW-98A	48.35	5/22/2020	7.41			40.94
MW-98A	48.35	7/8/2020	7.08			41.27
MW-98A	48.35	1/5/2021	7.2			41.15
MW-98A	48.35	7/12/2021	5.91			42.44
MW-98A	48.35	1/4/2022	7.33			41.02
MW-98A	48.35	7/6/2022	7.56			40.79
MW-98A	48.35	1/4/2023	7.62			40.73

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
MW-98A	48.35	7/6/2023	6.92			41.43
MW-98B	48.59	3/12/2020	8.30			40.29
MW-98B	48.59	5/22/2020	7.72			40.87
MW-98B	48.59	7/8/2020	7.81			40.78
MW-98B	48.59	1/5/2021	7.08			41.51
MW-98B	48.59	7/27/2021	7.84			40.75
MW-98B	48.59	1/4/2022	7.67			40.92
MW-98B	48.59	7/6/2022	8.11			40.48
MW-98B	48.59	1/4/2023	7.59			41
MW-98B	48.59	7/6/2023	8.78			39.81
MW-99C	45.33	3/11/2020	14.99			30.34
MW-99C	45.33	5/22/2020	16.09			29.24
MW-99C	45.33	7/7/2020	16.01			29.32
MW-99C	45.33	1/4/2021	14.91			30.42
MW-99C	45.33	7/8/2021	13.01			32.32
MW-99C	45.33	1/4/2022	15.26			30.07
MW-99C	45.33	7/6/2022	17.12			28.21
MW-99C	45.33	1/4/2023	15.91			29.42
MW-99C	45.33	7/6/2023	17.56			27.77
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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
P-10	47.69	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			
P-10	47.69	1/8/2010	4.06			43.63
P-10	47.69	7/12/2010	2.06			45.63
P-10	47.73	1/12/2011	4.13			43.60
P-10	47.73	7/12/2011	9.84			37.89
P-10	47.73	1/27/2012	3.12			44.61
P-10	47.73	7/10/2013	10.79			36.94
P-10	47.73	1/8/2014	5.51			42.22
P-10	47.73	7/2/2014	7.74			39.99
P-10	47.73	1/7/2015	3.96			43.77
P-10	47.73	8/10/2015	5.39			42.34
P-10	47.71	1/12/2016	2.47			45.24
P-10	47.71	7/6/2016	5.18			42.53
P-10	47.71	1/12/2017	4.52			43.19
P-10	47.71	7/12/2017	6.07			41.64
P-10	47.71	1/3/2018	6.71			41.00
P-10	47.71	7/19/2018	5.77			41.94
P-10	47.71	1/3/2019	6.32			41.39
P-10	47.71	7/1/2019	3.12			44.59
P-10	47.71	1/13/2020	3.18			44.53
P-10	47.71	7/8/2020	5.38			42.33
P-10	47.91	1/6/2021	2.96			44.95
P-10	47.91	7/6/2021	2.42			45.49
P-10	47.91	1/3/2022	4.09			43.82
P-10	47.91	7/5/2022	6.74			41.17
P-10	47.91	1/3/2023	3.49			44.42
P-10	47.91	7/5/2023	6.72			41.19
P-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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
P-11	48.98	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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
P-11	48.98	1/12/2017	4.36			44.62
P-11	48.98	7/6/2017	4.62			44.36
P-11	48.98	9/6/2017	4.62			44.36
P-11	48.98	2/11/2018	5.09			43.89
P-11	48.98	3/11/2018	5.54			43.44
P-11	48.98	5/14/2018	7.14			41.84
P-11	48.98	7/2/2018	7.28			41.7
P-11	48.98	1/4/2019	6.43			42.55
P-11	48.98	7/9/2019	5.31			43.67
P-11	48.98	1/7/2020	4.26			44.72
P-11	48.98	7/8/2020	6.31			42.67
P-11	48.98	1/6/2021	4.05			44.93
P-11	48.98	7/13/2021	3.39			45.59
P-11	48.98	1/4/2022	5.02			43.96
P-11	48.98	7/6/2022	7.71			41.27
P-11	48.98	1/4/2023	3.68			45.3
P-11	48.98	7/6/2023	7.23			41.75
P-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
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
P-12	48.78	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
P-12	48.80	7/9/2012	5.15			43.65
P-12	48.80	7/10/2013	9.73			39.07
P-12	48.80	1/8/2014	6.41			42.39
P-12	48.80	7/2/2014	6.46			42.34
P-12	48.80	1/7/2015	3.19			45.61
P-12	48.80	8/10/2015	4.06			44.74
P-12	48.76	1/12/2016	3.26			45.50
P-12	48.76	7/6/2016	5.09			43.67
P-12	48.76	1/12/2017	5.11			43.65
P-12	48.76	7/12/2017	6.39			42.37
P-12	48.76	1/3/2018	7.14			41.62
P-12	48.76	7/19/2018	6.31			42.45
P-12	48.76	1/3/2019	6.69			42.07
P-12	48.76	7/1/2019	3.06			45.70
P-12	48.76	1/14/2020	3.96			44.80
P-12	48.76	7/8/2020	5.31			43.45
P-12	48.65	1/6/2021	3.34			45.31
P-12	48.65	7/6/2021	2.36			46.29
P-12	48.65	1/3/2022	4.82			43.83
P-12	48.65	7/5/2022	6.51			42.14
P-12	48.65	1/3/2023	4.29			44.36
P-12	48.65	7/5/2023	6.33			42.32
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

Table 1
GROUNDWATER MEASUREMENTS
Houston, TX - Wood Preserving Works

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft BTOC)	Depth to DNAPL (ft BTOC)	DNAPL Thickness (ft)	GW Elevation (ft)
TW-41B	49.67	3/11/2018	6.69			42.98
TW-41B	49.67	5/14/2018	8.67			41.00
TW-41B	49.67	7/2/2018	8.87			40.8
TW-41B	49.67	1/4/2019	7.97			41.7
TW-41B	49.67	7/9/2019	8.22			41.45
TW-41B	49.67	1/7/2020	5.52			44.15
TW-41B	49.67	7/8/2020	7.25			42.42
TW-41B	49.67	1/6/2021	4.91			44.76
TW-41B	49.67	7/6/2021	4.42			45.25
TW-41B	49.67	1/4/2022	6.21			43.46
TW-41B	49.67	7/6/2022	8.58			41.09
TW-41B	49.67	7/6/2023	8.61			41.06

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-01A 01/28/2008	MW-01A 01/28/2008 Duplicate	MW-01A 07/16/2008	MW-01A 07/16/2008 Duplicate	MW-01A 01/22/2009	MW-01A 01/22/2009 Duplicate	MW-01A 07/22/2009	MW-01A 07/22/2009 Duplicate	MW-01A 01/22/2010	MW-01A 01/22/2010 Duplicate	MW-01A 07/14/2010	MW-01A 07/14/2010 Duplicate	MW-01A 01/11/2011	MW-01A 07/13/2011	MW-01A 07/13/2011 Duplicate	MW-01A 01/31/2012
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*			<0.00052	<0.00052												
Benzene	*0.005*	*0.005*			<0.00025	<0.00025												
Chlorobenzene	*0.1*	*0.1*			<0.00047	<0.00047												
Ethylbenzene	*0.7*	*0.7*			<0.00025	<0.00025												
Methylene chloride	*0.005*	*0.005*			<0.00054	<0.00054												
Toluene	*1*	*1*			<0.00041	<0.00041												
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*			<0.00127	<0.00127												
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																
2,4-Dimethylphenol	*0.49*	*1.5*																
2,4-Dinitrotoluene	*0.0013*	*0.003*																
2,6-Dinitrotoluene	*0.0013*	*0.003*																
2-Chloronaphthalene	*2*	*5.8*																
2-Methylnaphthalene	*0.098*	*0.29*	<0.00044	0.000563	0.0109	0.00224	0.0069	0.0016 J	0.0017 J	0.0019 J	0.0019 J	0.0018 J	<0.0009	0.0026 J	<0.0009	0.0068	0.0021 J	<0.0005
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																
4-Nitrophenol	*0.049*	*0.15*																
Acenaphthene	*1.5*	*4.4*	0.0415	0.0409	0.126	0.119	0.054	0.038	0.085	0.091	0.04	0.039	0.068	0.075	0.07	0.1	0.092	0.029
Acenaphthylene	*1.5*	*4.4*	0.00099	0.000933	0.00143	0.00135	<0.0007	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0011 J	0.0011 J	<0.0005	<0.0005
Anthracene	*7.3*	*22*	0.00129	0.00137	0.00267	0.00232	0.0012 J	<0.0007	0.0011 J	0.0014 J	<0.0006	<0.0006	0.0017 J	0.0022 J	0.0021 J	0.0029 J	0.0027 J	<0.0005
Benzo(a)anthracene	*0.0091*	*0.02*																
Benzo(a)pyrene	*0.0002*	*0.0002*																
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00022	0.0008 J	0.00137 J	0.00126 J	<0.0012	0.0015 J	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	0.003 J	0.0012 J	<0.0005
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	0.0045 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	0.0012 J
Fluorene	*0.98*	*2.9*	0.0162	0.0167	0.0659	0.0551	0.028	0.018	0.04	0.041	0.022	0.019	0.04	0.047	0.039	0.056	0.051	0.0013 J
Naphthalene	*0.49*	*1.5*	<0.00044	<0.00038	0.0168	0.00312	<0.0008	<0.0008	0.0029 J	0.0031 J	0.0043 J	0.0036 J	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005
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	<0.0005
Phenol	*7.3*	*22*																
Pyrene	*0.73*	*2.2*	0.00107	0.00108	0.00417	0.00375	0.001 J	<0.0009	0.0019 J	0.0021 J	<0.0005	<0.0005	0.0021 J	0.0026 J	0.0011 J	0.0028 J	0.0027 J	<0.0005
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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-01A 07/08/2015 Duplicate	MW-01A 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*	<0.0005	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	0.0041 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																
4-Nitrophenol	*0.049*	*0.15*																
Acenaphthene	*1.5*	*4.4*	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	0.095	0.048
Acenaphthylene	*1.5*	*4.4*	<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	0.00099	0.0019
Anthracene	*7.3*	*22*	<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	0.0024	0.00052
Benzo(a)anthracene	*0.0091*	*0.02*																
Benzo(a)pyrene	*0.0002*	*0.0002*																
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0013 J	<0.0005	<0.0005	0.00163	0.00162	<0.000356	<0.000356	0.000838 J	0.00067 J	<0.000349	<0.000349	0.00533 J	0.00259 J	<0.0002	<0.000037	0.00042
Chrysene	*0.91*	*2*																
Dibenzofuran	*0.098*	*0.29*	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	0.009 J	0.00065
Di-n-butylphthalate (DBP)	*2.4*	*7.3*										0.00012 J	0.000133 J					
Fluoranthene	*0.98*	*2.9*	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	0.0038	0.0027
Fluorene	*0.98*	*2.9*	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	0.045	0.0057
Naphthalene	*0.49*	*1.5*	<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	0.0049 J	<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	0.0033 J	0.0031 J	0.00388 J	0.0012 J	0.00109 J	0.00928 J	<0.00175	<0.00451	0.00537 J	0.000426 J	0.000335 J	0.000326 J	0.0012 J	0.0041 J	0.000067 J
Phenol	*7.3*	*22*										<0.0000377	<0.0000377					
Pyrene	*0.73*	*2.2*	<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	0.0016	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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-01A 07/02/2019	MW-01A 07/02/2019 Duplicate	MW-01A 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*	<0.000019	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	0.00074	0.00069	0.00019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																
4-Nitrophenol	*0.049*	*0.15*																
Acenaphthene	*1.5*	*4.4*	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	0.063	0.053	0.024
Acenaphthylene	*1.5*	*4.4*	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	0.00071	0.00071	0.00084
Anthracene	*7.3*	*22*	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	0.00097	0.00096	<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*	0.0004	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	<0.000037	<0.000079	<0.000037
Chrysene	*0.91*	*2*																
Dibenzofuran	*0.098*	*0.29*	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	0.0058	0.0054	0.0036
Di-n-butylphthalate (DBP)	*2.4*	*7.3*																
Fluoranthene	*0.98*	*2.9*	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	0.0013	0.0012	0.0011
Fluorene	*0.98*	*2.9*	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	0.019	0.016	0.0064
Naphthalene	*0.49*	*1.5*	<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	0.00034	0.00034	0.00052
Nitrobenzene	*0.049*	*0.15*																
N-Nitrosodiphenylamine	*0.19*	*0.42*																
Pentachlorophenol	*0.001*	*0.001*																
Phenanthrene	*0.73*	*2.2*	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	0.00076	0.00067	<0.000021
Phenol	*7.3*	*22*																
Pyrene	*0.73*	*2.2*	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	0.00059	0.00055	0.00052
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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-01A 01/03/2023	MW-01A 01/03/2023 Duplicate	MW-01 07/05/2023	MW-01 07/05/2023 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*	<0.000019	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	<0.000019	<0.000019	0.000035 J	0.014 J	<0.00038	<0.00039
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	0.018	0.049	0.044	0.028 J	0.018 J	0.036	0.028	0.042 J	0.028 J	0.027	0.033	0.021	0.02	0.032 J	0.076 J	0.017	0.0218
Acenaphthylene	*1.5*	*4.4*	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	0.0003	0.0003	0.00039 J	0.00073 J	<0.00028	0.0003 J
Anthracene	*7.3*	*22*	<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	0.00027	0.00025	0.0006 J	0.0018 J	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*	0.000074 J	0.000088 J	<0.000037	<0.000059	<0.00006	<0.00018	<0.00012	<0.000055	<0.000053	<0.000037	0.000096 J	<0.000037	<0.000037	<0.000037 J	0.000082 J	0.00049 J	<0.00019
Chrysene	*0.91*	*2*																	
Dibenzofuran	*0.098*	*0.29*	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	0.0017	0.0019	0.001 J	0.0084 J	0.0106	0.00673
Di-n-butylphthalate (DBP)	*2.4*	*7.3*																	
Fluoranthene	*0.98*	*2.9*	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	0.00084	0.00077	0.0014 J	0.0032 J	0.0015	0.000961
Fluorene	*0.98*	*2.9*	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	0.0048	0.0052	0.0095 J	0.028 J	0.0119	0.0103
Naphthalene	*0.49*	*1.5*	<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	0.000085 J	0.000076 J	0.00029 J	0.0053 J	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*	<0.000021	0.0026	0.0029	<0.000021	<0.000021	0.0015 J	0.00094 J	0.0002 J	0.00012 J	0.0012	0.0012	<0.000021	<0.000021	0.00041 J	0.0037 J	0.000532	<0.00019
Phenol	*7.3*	*22*																	
Pyrene	*0.73*	*2.2*	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	0.0004	0.00039	0.0007 J	0.0015 J	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 - 2023)
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	MW-02 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*	<0.0008	0.0025 J	<0.0009	<0.0009	<0.0009	0.0021 J	<0.0005	<0.0005	0.00318	0.000897	<0.0000648	0.000509	0.000105 J	0.00013	0.000033 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																
4-Nitrophenol	*0.049*	*0.15*																
Acenaphthene	*1.5*	*4.4*	0.014	<0.0009	0.0073	0.018	0.0078	0.026	<0.0005	0.0088	0.0384	0.0179	<0.0000741	0.00452	0.0026	0.001	0.0019	0.00058
Acenaphthylene	*1.5*	*4.4*	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00057	0.000335 J	<0.000101	0.0000979 J	0.0000892 J	<0.000015	0.000046 J	0.00019
Anthracene	*7.3*	*22*	<0.0007	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	0.00129	0.0013	<0.00131	0.000596	0.000153 J	0.000078 J	0.00011	0.000026 J
Benzo(a)anthracene	*0.0091*	*0.02*																
Benzo(a)pyrene	*0.0002*	*0.0002*																
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0012	<0.0033	<0.0033	<0.0033	<0.0033	0.0021 J	<0.0005	<0.0005	0.000874	<0.000356	<0.000343	<0.000349	0.000426 J	<0.00013	<0.00019	<0.000037
Chrysene	*0.91*	*2*																
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	0.00036
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	0.000052 J
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	0.00032
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	0.00013
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	0.000066 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	0.00003 J
Metals																		
Arsenic	*0.01*	*0.01*																

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-02 01/11/2017	MW-02 07/13/2017	MW-02 01/04/2018	MW-02 07/18/2018	MW-02 01/07/2019	MW-02 07/02/2019	MW-02 01/14/2020	MW-02 07/14/2020	MW-02 01/06/2021	MW-02 07/06/2021	MW-02 01/03/2022	MW-02 07/05/2022	MW-02 01/03/2023	MW-02 07/05/2023	MW-03 01/30/2008	MW-03 01/24/2018	MW-03 03/27/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*															<0.00052	<0.0002	<0.0002
Benzene	*0.005*	*0.005*															<0.00025	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*															<0.00047	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*															<0.00025	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*															<0.00054	<0.001	<0.001
Toluene	*1*	*1*															<0.00041	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*															<0.00127	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*															<0.00008	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*															<0.0003	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*															<0.0002	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*															<0.0002	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*															<0.0004	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.00093	0.0051	0.00038	<0.000019	0.00011	<0.000019	0.00081	<0.000019	<0.000019	<0.000019	0.00081	0.000068 J	0.00033	<0.0004	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															<0.0002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*															<0.00025	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.0035	0.0064	0.015	0.0048	0.0016	0.0019	0.003	0.0055	0.0041	<0.000027	<0.000027	0.0063	0.0046	0.0035	0.118	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	0.00018	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000063 J	<0.000015	<0.000015	0.000082 J	<0.000015	0.000059 J	<0.0003	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.0001	0.00016	0.00036	0.0002	0.00012	0.000064 J	0.00011	0.00014	0.000078 J	<0.000014	0.000017 J	0.00011	0.000076 J	0.00011	0.00172	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*															<0.0002	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*															<0.0002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*															<0.0004	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00011 J	<0.000037	<0.00016	<0.000038	<0.000063	<0.00015	<0.000037	0.000062 J	<0.000078	<0.00011	<0.000047	0.000057 J	<0.000037	<0.000037	0.001 J	0.000083 J	<0.000037
Chrysene	*0.91*	*2*															<0.0002	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.0019	0.0023	0.0019	0.0016	0.00046	0.00041	0.00039	0.0006	0.00049	<0.00002	0.00029	0.00089	0.00045	0.00039	0.00415	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*															<0.0002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00029	0.00025	0.00071	0.00019	0.00011	0.000071 J	0.00024	0.00039	0.00017	0.000055 J	0.00026	0.00038	0.00034	0.00042	0.0125	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.0016	0.0041	0.0099	0.0029	0.00081	0.00097	0.0017	0.0033	0.002	<0.00003	0.00034	0.0031	0.0025	0.0014	0.058	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	0.00047	0.00015	0.00025	<0.00002	0.00011	<0.00002	<0.00015	0.000041 J	<0.00002	<0.00002	0.00049	0.000052 J	0.00025	0.000872	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*															<0.0004	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*															<0.00025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*															<0.0002	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	0.0005	0.0011	0.00035	0.000041 J	0.000054 J	0.00011	0.00032	0.000038 J	<0.000021	<0.000021	0.00041	0.000073 J	0.00032	0.000592	<0.000021	<0.000021
Phenol	*7.3*	*22*															<0.0002	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00017	0.00011	0.00032	0.000082 J	0.000057 J	0.000037 J	0.00011	0.00023	0.000091 J	<0.000019	0.00012	0.0002	0.00018	0.00026	0.00538	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*																0.000895 J	0.00242

Notes:

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5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
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TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-03 05/25/2018	MW-03 01/09/2019	MW-03 07/12/2019	MW-03 01/21/2020	MW-03 07/15/2020	MW-03 01/14/2021	MW-03 07/15/2021	MW-03 01/26/2022	MW-03 07/13/2022	MW-03 01/18/2023	MW-03 07/10/2023	MW-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	<0.00020	<0.00020	<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	<0.00020	<0.00020	<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	<0.00030	<0.00030	<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	<0.00030	<0.00030	<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	<0.0010	<0.0010	<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	<0.00020	<0.00020	<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	<0.00030	<0.00030	<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	<0.000021	<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	<0.000040	<0.000040	<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	<0.000058	<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	<0.000042	<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	<0.000021	<0.00038	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000035	0.000045 J	<0.000019	<0.000019	<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	<0.000020	<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	<0.000047	<0.00024	<0.000048	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.00021	<0.000027	<0.000027	0.000061 J	0.0007	<0.000027	<0.000027	<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	0.000022 J	<0.000015	<0.000015	<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	0.000055 J	0.000069 J	0.0001	<0.000014	0.000035 J	<0.000014	0.000057 J	<0.000014	<0.000014	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	<0.000050	<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	0.000024 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000020	<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	<0.000030	<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	0.00011 J	<0.000095	0.00063	0.000055 J	<0.000037	0.00029	<0.000037	0.00007 J	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	<0.000021	<0.00019	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	0.00013	<0.00002	<0.00002	<0.00002	<0.00002	<0.000020	<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	0.000029 J	<0.000054	<0.00002	<0.00002	<0.00002	<0.00002	<0.000020	0.00042	<0.00019	0.00003 J	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	0.000055 J	0.0002	<0.00001	<0.00001	<0.00001	<0.00001	<0.000010	<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	0.00012	<0.00003	<0.00003	<0.00003	<0.00003	<0.000030	<0.00003	<0.00019	0.000075 J	<0.00003	0.000059 J	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00029	<0.00024	0.000081 J	<0.00002	0.00038	<0.00015	0.000075 J	0.000023 J	<0.00002	<0.00038	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	<0.000024	<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	<0.000025	<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	<0.000079	<0.00019	<0.000081	<0.000079	<0.00008	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	0.000038 J	<0.000021	<0.000021	<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	<0.000035	<0.00019	<0.000036	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.00002 J	0.000036 J	0.0001	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	0.00003 J	<0.000019	0.00011	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*	0.00363	**0.0191**	0.000582 J	0.00207	0.00187 J	0.00138 J	0.00371	<0.0004	0.00064 J	0.000455 J	0.000631 J		0.00454	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
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 - 2023)
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-04 01/18/2023	MW-04 07/10/2023	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	<0.00020	<0.00020	<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	<0.00020	<0.00020	<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	<0.00030	<0.00030	<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	<0.00030	<0.00030	<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	<0.0010	<0.0010	<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	<0.00020	<0.00020	<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	<0.00030	<0.00030	<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	<0.000021	<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	<0.000040	<0.000040	<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	<0.000058	<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	<0.000042	<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	<0.000021	<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	<0.000019	<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	<0.000020	<0.000020	<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	<0.000047	<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	<0.000027	<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	<0.000015	<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	<0.000014	<0.000014	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	<0.000050	<0.000050	<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	<0.000020	<0.000020	<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	<0.000030	<0.000030	<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	<0.000037	<0.000037	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	<0.000021	<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	<0.000020	<0.000020	<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	<0.000020	0.00013 J	<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	<0.000010	<0.000010	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	<0.000030	<0.000030	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	0.000043 J	<0.00002	<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	<0.000024	<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	<0.000025	<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	<0.000079	<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	<0.000021	<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	<0.000035	<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	<0.000019	<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	<0.0004	0.000764 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 - 2023)
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-05 01/19/2023	MW-05 07/10/2023	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	<0.00020	<0.00020		<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	<0.00020	<0.00020		<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	<0.00030	<0.00030		<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	<0.00030	<0.00030		<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	<0.0010	<0.0010		<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	<0.00020	<0.00020		<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	<0.00030	<0.00030		<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	<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	0.00032	<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	<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				
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				
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	0.000033 J	<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	<0.000020	<0.000020				
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				
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	<0.000027	<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	<0.000015	<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	<0.000014	<0.000014	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	<0.000050	<0.000050				
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	<0.000020	<0.000020				
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	<0.000030	<0.000030				
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	<0.000037	<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	<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	0.000023 J	<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	<0.000020	0.00012 J				
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	<0.000010	<0.000010	<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	<0.000030	<0.000030	<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	0.00027	<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	<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				
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	<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	<0.000021	<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	<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	<0.000019	<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	0.0027	0.00969				

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
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	MW-07 01/12/2017
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*																
Benzene	*0.005*	*0.005*																
Chlorobenzene	*0.1*	*0.1*																
Ethylbenzene	*0.7*	*0.7*																
Methylene chloride	*0.005*	*0.005*																
Toluene	*1*	*1*																
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*																
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																
2,4-Dimethylphenol	*0.49*	*1.5*																
2,4-Dinitrotoluene	*0.0013*	*0.003*																
2,6-Dinitrotoluene	*0.0013*	*0.003*																
2-Chloronaphthalene	*2*	*5.8*																
2-Methylnaphthalene	*0.098*	*0.29*	<0.0009	<0.0009		<0.0009	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000704	R	<0.000066	<0.0000693	<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*	<0.0009	<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	<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	<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	0.00025
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	0.00011 J
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	<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	<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	<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	<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	<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	<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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-07 01/04/2023	MW-07 07/05/2023	MW-08 01/29/2008	MW-08 07/16/2008	MW-08 01/22/2009
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	0.000023 J	0.000066 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00044	<0.0004	<0.0008
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	0.000071 J	<0.00033	<0.0003	<0.0008
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	0.000037 J	<0.00033	0.00044 J	<0.0007
Anthracene	*7.3*	*22*	<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	<0.000014	0.000073 J	0.00031 J	0.000669	<0.0007
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	<0.000088	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.00036	<0.000081	<0.000068	<0.000037	<0.000037	<0.00022	<0.0002	<0.0012
Chrysene	*0.91*	*2*																	
Dibenzofuran	*0.098*	*0.29*	<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	<0.00002	<0.00002	<0.00033	<0.0003	<0.0007
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	0.0001	<0.00001	<0.00001	0.000068 J	<0.00001	<0.00001	<0.00001	0.00007 J	<0.00022	<0.0002	<0.0006
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	0.000088 J	<0.00022	<0.0002	<0.0008
Naphthalene	*0.49*	*1.5*	<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	<0.00002	0.000094 J	<0.00044	0.000654	<0.0008
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	0.00014	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00028	<0.00022	0.00036 J	<0.0007
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	0.00007 J	<0.000019	<0.000019	<0.000019	0.00011	<0.00022	<0.0002	<0.0009
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.
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TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-08 01/12/2016	MW-08 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	<0.0009	<0.0009	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000686	<0.0000648	<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	<0.0009	<0.0009	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000784	<0.0000741	<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	<0.0005	<0.0005	<0.0000566	<0.0000588	<0.0000556	<0.0000566	<0.0000594	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<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	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*																
Benzo(a)pyrene	*0.0002*	*0.0002*																
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0005	<0.0005	<0.0005	<0.000349	<0.000363	<0.000343	<0.000349	<0.000366	<0.00013	<0.000037	<0.000037
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	<0.0000755	<0.0000784	<0.0000741	<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	<0.0005	<0.0005	<0.000066	<0.0000686	<0.0000648	<0.000066	<0.0000693	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<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	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<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	<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	<0.0005	<0.0005	<0.0000566	<0.0000588	0.0000637 J	<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	<0.0005	<0.0005	<0.000104	<0.000108	<0.000102	<0.000104	<0.000109	<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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-08 01/03/2023	MW-08 07/06/2023	MW-09 01/29/2008	MW-09 07/27/2011	MW-09 02/02/2012
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*															<0.00052	<0.001	<0.001
Benzene	*0.005*	*0.005*															<0.00025	<0.001	<0.001
Chlorobenzene	*0.1*	*0.1*															<0.00047	<0.001	<0.001
Ethylbenzene	*0.7*	*0.7*															<0.00025	<0.0011	<0.0011
Methylene chloride	*0.005*	*0.005*															<0.00054	<0.0013	<0.0013
Toluene	*1*	*1*															<0.00041	<0.001	<0.001
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*															<0.00127	<0.0031	<0.0031
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*															<0.00008	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*															<0.00029	<0.00005	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*															<0.00019	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*															<0.00019	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*															<0.00038	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000033 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.00038	<0.00005	<0.00005
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															<0.00019	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*															<0.00024	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	0.00067	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00031	<0.000027	<0.000027	<0.000027	<0.000027	<0.00029	<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	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.00005	<0.00005
Anthracene	*7.3*	*22*	<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	<0.000014	<0.000014	<0.00019	0.00036	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*															<0.00019	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*															<0.00019	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*															<0.00038	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	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	0.000061 J	<0.000037	0.00034 J	0.00018 J	<0.00032
Chrysene	*0.91*	*2*															<0.00019	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	0.00011	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00029	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*															<0.00019	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	<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	<0.00001	<0.00001	0.00045 J	<0.00005	<0.00005
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	0.00017	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00011	<0.00003	<0.00003	<0.00003	<0.00003	<0.00019	<0.00005	<0.00005
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	0.00012	<0.00002	<0.00002	<0.00038	<0.00005	<0.00005
Nitrobenzene	*0.049*	*0.15*															<0.00038	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*															<0.00024	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*															<0.00019	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	<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	<0.000021	<0.000021	0.000541	<0.00005	<0.00005
Phenol	*7.3*	*22*															<0.00019	<0.00005	<0.000098
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	<0.00005	<0.00005
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
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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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-09 07/13/2022	MW-09 01/19/2023	MW-09 07/10/2023	MW-10A 01/28/2008
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<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*	<0.0005	<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*	<0.0005	<0.00012	<0.0003	<0.0003	<0.0003	0.0041	<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	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	
Methylene chloride	*0.005*	*0.005*	<0.001	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	
Toluene	*1*	*1*	<0.0005	<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*																	
Xylenes (total)	*10*	*10*	<0.0015	<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*	<0.00005	<0.000106	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.000298	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004		0.00033	<0.00004	<0.00004	<0.000040	<0.000040	
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.000125	<0.000059	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058		<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.0000769	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042		<0.000042	<0.000042	<0.000042	0.000071 J	<0.000042	
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.0000769	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	
2-Methylnaphthalene	*0.098*	*0.29*	<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	0.000024 J	<0.000019	<0.000019	<0.0004
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.000798	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002		<0.00002	<0.00002	<0.00002	<0.000020	<0.000020	
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.000538	<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*	<0.00005	0.000188 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027		<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.0003
Acenaphthylene	*1.5*	*4.4*	<0.00005	<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	<0.000015	<0.0003
Anthracene	*7.3*	*22*	<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	0.0002	<0.000014	<0.000014	<0.0002
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.0000769	<0.000051	<0.00005	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005		<0.00005	<0.00005	<0.00005	<0.000050	<0.000050	
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00002	<0.000020	<0.000020	
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.000125	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003		<0.00003	<0.00003	<0.00003	<0.000030	<0.000030	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	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	0.00049	<0.000037	<0.000037	<0.0002
Chrysene	*0.91*	*2*	<0.00005	<0.0000769	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	
Dibenzofuran	*0.098*	*0.29*	<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	<0.00002	<0.000020	<0.000020	<0.0003
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	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	0.00003 J	<0.000020	0.00012 J	
Fluoranthene	*0.98*	*2.9*	<0.00005	<0.0000673	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.000010	<0.000010	<0.0002
Fluorene	*0.98*	*2.9*	<0.00005	<0.0000673	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003		<0.00003	<0.00003	<0.00003	<0.000030	<0.000030	<0.0002
Naphthalene	*0.49*	*1.5*	<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	0.00004 J	0.000045 J	<0.00002	<0.0004
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.000106	<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*	<0.00005	<0.0000962	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025		<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.000587	<0.00008	<0.000079	<0.000079	<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*	<0.00005	<0.0000577	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0002
Phenol	*7.3*	*22*	<0.00005	<0.0000385	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035		0.00065	<0.000035	<0.000035	<0.000035	<0.000035	
Pyrene	*0.73*	*2.2*	<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	<0.000019	<0.000019	<0.000019	<0.0002
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	0.00072 J	0.00124 J	0.000923 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-10A 01/07/2015	MW-10A 07/07/2015	MW-10A 01/12/2016
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052															
Benzene	*0.005*	*0.005*	<0.00025															
Chlorobenzene	*0.1*	*0.1*	<0.00047															
Ethylbenzene	*0.7*	*0.7*	<0.00025															
Methylene chloride	*0.005*	*0.005*	<0.00054															
Toluene	*1*	*1*	<0.00041															
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	<0.00127															
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																
2,4-Dimethylphenol	*0.49*	*1.5*																
2,4-Dinitrotoluene	*0.0013*	*0.003*																
2,6-Dinitrotoluene	*0.0013*	*0.003*																
2-Chloronaphthalene	*2*	*5.8*																
2-Methylnaphthalene	*0.098*	*0.29*	<0.00038	<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	<0.0000693	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																
4-Nitrophenol	*0.049*	*0.15*																
Acenaphthene	*1.5*	*4.4*	<0.00029	<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	0.00272	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<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	0.000126 J	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<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	0.000191 J	0.000069 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*	0.0002 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	<0.000366	<0.00088	<0.000096
Chrysene	*0.91*	*2*																
Dibenzofuran	*0.098*	*0.29*	<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	0.000349 J	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*																
Fluoranthene	*0.98*	*2.9*	<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	<0.0000693	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<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	0.000694	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<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	0.000322 J	<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*	<0.00019	<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	0.000126 J	<0.000021	<0.000021
Phenol	*7.3*	*22*																
Pyrene	*0.73*	*2.2*	<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	<0.000109	<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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-10A 07/05/2022	MW-10A 01/03/2023	MW-10A 07/05/2023	MW-10B 01/28/2008
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*																
Benzene	*0.005*	*0.005*																
Chlorobenzene	*0.1*	*0.1*																
Ethylbenzene	*0.7*	*0.7*																
Methylene chloride	*0.005*	*0.005*																
Toluene	*1*	*1*																
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*																
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																
2,4-Dimethylphenol	*0.49*	*1.5*										0.00033	0.00033					
2,4-Dinitrotoluene	*0.0013*	*0.003*																
2,6-Dinitrotoluene	*0.0013*	*0.003*																
2-Chloronaphthalene	*2*	*5.8*																
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00016	<0.000019	0.000044 J	
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																
4-Nitrophenol	*0.049*	*0.15*																
Acenaphthene	*1.5*	*4.4*	<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	0.0004	<0.000027	0.00011	0.0743
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	0.000034 J	0.00122
Anthracene	*7.3*	*22*	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	<0.000014	<0.000014	0.000039 J	0.00432
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*	0.000097 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	0.00011 J	<0.000037	0.000071 J	<0.00019
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	0.000056 J	<0.000020	<0.00002	0.0255
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	<0.00001	<0.00001	<0.00001	0.000018 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.000010	0.000062 J	0.00371
Fluorene	*0.98*	*2.9*	<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	0.00013	<0.000030	0.0001	0.0374
Naphthalene	*0.49*	*1.5*	<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	0.00021	<0.000020	0.00023	0.0185
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	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00029	
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	0.00012	0.00146
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.

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CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-10B 07/15/2014	MW-10B 01/07/2015	MW-10B 01/29/2015
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*																
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																
4-Nitrophenol	*0.049*	*0.15*																
Acenaphthene	*1.5*	*4.4*	0.0975	0.096	<0.0009	0.052	0.069	0.096	0.054	0.1	0.054	0.12	0.977		<0.0000741	0.0777	0.166	0.0507
Acenaphthylene	*1.5*	*4.4*	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	<0.000566	0.00104	0.000597
Anthracene	*7.3*	*22*	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	0.00352 J	0.00702	0.00179
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*	0.0002 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	<0.00349	<0.000366	<0.000366
Chrysene	*0.91*	*2*																
Dibenzofuran	*0.098*	*0.29*	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	0.0258	0.0727	0.0129
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00104	<0.000215	<0.000109
Fluoranthene	*0.98*	*2.9*	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	0.00211 J	0.00711	0.00117
Fluorene	*0.98*	*2.9*	0.0457	0.051	<0.0006	0.031	0.041	0.059	0.032	0.06	0.031	0.0652	0.468		<0.00429	0.0424	0.0975	0.0202
Naphthalene	*0.49*	*1.5*	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	0.125	**0.556**	0.0247
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*	<0.0002	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000377	<0.0004		<0.000037	<0.000377	<0.0000396	<0.0000396
Pyrene	*0.73*	*2.2*	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	<0.00104	0.00234	0.000392 J
Metals																		
Arsenic	*0.01*	*0.01*																

Notes:
1. All values in milligrams per liter (mg/L).
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CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-10B 07/06/2021	MW-10B 01/03/2022	MW-10B 07/05/2022	MW-10B 01/03/2023	MW-10B 07/05/2023
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*	0.084	0.11	0.053	0.12	0.051	0.093	0.056	0.07	0.042	0.069	0.029	0.05	0.01	0.042	0.012	0.023	0.015
Acenaphthylene	*1.5*	*4.4*	0.00048	0.00054	0.00032	0.00065	0.00033	0.00068	0.00053	0.00059	0.00031	0.00066	0.00028	0.00039	0.00015	0.00036	0.000098 J	0.00012	0.00014
Anthracene	*7.3*	*22*	0.003	0.0057	0.0027	0.0056	0.0023	0.0052	0.0024	0.0041	0.0012	0.0028	0.00094	0.0022	0.00028	0.001	0.00067	0.0006	0.00051
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*	<0.00014	<0.000037	0.00025	0.00022	0.00028	<0.000059	<0.000064	0.00035	<0.000037	0.0002	0.00016 J	<0.0001	0.0016	<0.0001	0.00022	<0.000037	0.000055 J
Chrysene	*0.91*	*2*																	
Dibenzofuran	*0.098*	*0.29*	0.032	0.049	0.019	0.052	0.021	0.048	0.021	0.028	0.013	0.022	0.0067	0.017	0.0019	0.0061	0.0028	0.0019	0.0024
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	0.00029	<0.00002	<0.00002	<0.000020	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0023	0.0045	0.0023	0.0047	0.0022	0.0053	0.0022	0.0038	0.0012	0.0029	0.0015	0.0024	0.0005	0.0017	0.001	0.0011	0.00089
Fluorene	*0.98*	*2.9*	0.047	0.064	0.029	0.068	0.034	0.06	0.031	0.04	0.018	0.036	0.014	0.029	0.0018	0.017	0.0056	0.005	0.0051
Naphthalene	*0.49*	*1.5*	0.077	0.1	0.0054	0.021	0.0033	0.0013	0.00074	0.00056	0.00023	0.0021	<0.00066	0.0014	<0.000065	0.00028	0.00019	0.000099 J	0.00018
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	0.00012 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00095	0.0024	0.0009	0.0022	0.00087	0.0019	0.00088	0.0018	0.00049	0.0013	0.00069	0.0011	0.00021	0.00075	0.00044	0.00046	0.00046
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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-11A 01/08/2014	MW-11A 07/02/2014	MW-11A 01/07/2015	MW-11A 07/07/2015
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*	<0.00038	<0.0004	<0.0008	<0.0009	<0.0009	<0.0009	<0.0009	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000673	<0.0000648	<0.000066	<0.0000673	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																
4-Nitrophenol	*0.049*	*0.15*																
Acenaphthene	*1.5*	*4.4*	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	<0.0000741	0.00427	0.000471 J	0.00025
Acenaphthylene	*1.5*	*4.4*	<0.00029	<0.0003	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000566	<0.0000577	<0.0001	0.000185 J	<0.0000577	<0.000015
Anthracene	*7.3*	*22*	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	<0.00125	0.00126	0.000399 J	0.00017
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*	0.00028 J	<0.0002	<0.0012	<0.0033	<0.0033	<0.0033	<0.0033	<0.0005	<0.0005	<0.0005	<0.000349	<0.000356	0.00046 J	0.00516	<0.000356	<0.00068
Chrysene	*0.91*	*2*																
Dibenzofuran	*0.098*	*0.29*	0.00276	<0.0003	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000769	<0.0000741	0.000618	<0.0000769	0.00012
Di-n-butylphthalate (DBP)	*2.4*	*7.3*														0.000109 J		
Fluoranthene	*0.98*	*2.9*	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	<0.0000795	0.00215	<0.0000673	0.00028
Fluorene	*0.98*	*2.9*	0.0069	0.00089	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.000066	<0.0000673	<0.0000648	0.00149	<0.0000673	0.00011
Naphthalene	*0.49*	*1.5*	<0.00038	<0.0004	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000769	<0.0000741	0.000343 J	<0.0000769	<0.00002
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	<0.0000556	0.000384 J	<0.0000577	<0.000021
Phenol	*7.3*	*22*														<0.0000377		
Pyrene	*0.73*	*2.2*	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	<0.000102	0.00194	<0.000106	0.00023
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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-11A 07/06/2021	MW-11A 01/03/2022	MW-11A 07/05/2022	MW-11A 01/03/2023	MW-11A 07/05/2023	MW-11B 01/28/2008
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*																	
Benzene	*0.005*	*0.005*																	
Chlorobenzene	*0.1*	*0.1*																	
Ethylbenzene	*0.7*	*0.7*																	
Methylene chloride	*0.005*	*0.005*																	
Toluene	*1*	*1*																	
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*																	
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																	
2,4-Dimethylphenol	*0.49*	*1.5*											0.00033	0.00012					
2,4-Dinitrotoluene	*0.0013*	*0.003*																	
2,6-Dinitrotoluene	*0.0013*	*0.003*																	
2-Chloronaphthalene	*2*	*5.8*																	
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.00002	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000055 J	<0.000019	<0.000019	
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	<0.000027	0.0001	<0.000028	<0.000027	<0.000027	0.0017	<0.000027	0.00025	<0.000027	<0.000027	0.00012	<0.000027	0.00016	<0.000027	<0.000027	0.000038 J	0.0649
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000016 J	<0.00028
Anthracene	*7.3*	*22*	0.0001	0.00026	0.00021	<0.000014	<0.000014	0.00019	0.00013	0.000097 J	<0.000014	<0.000014	0.0001	<0.000014	<0.000014	0.000042 J	0.000079 J	0.000023 J	0.00236
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*	<0.000073	0.00038	0.00025	0.00017 J	<0.000073	0.0007	<0.000075	<0.00007	<0.000037	<0.000037	<0.000037	<0.000079	<0.000072	0.00013 J	<0.000037	0.000057 J	0.00021 J
Chrysene	*0.91*	*2*																	
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	0.00027	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0273
Di-n-butylphthalate (DBP)	*2.4*	*7.3*																	<0.00019
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00065	0.000049 J	0.00015	<0.00001	0.00023	<0.00001	0.000018 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000048 J	0.00175
Fluorene	*0.98*	*2.9*	<0.00003	0.00013	<0.000031	<0.00003	<0.00003	0.00083	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000081 J	0.0297
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	0.00012	<0.00002	0.000041 J	<0.00002	<0.00002	<0.00002	<0.000074	<0.00002	0.00021	<0.00002	0.000061 J	0.0354
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	0.000067 J	<0.000021	<0.000021	0.000086 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000059 J	<0.000021	0.00022	
Phenol	*7.3*	*22*																	<0.00019
Pyrene	*0.73*	*2.2*	<0.000019	0.00073	<0.00002	<0.000019	<0.000019	0.00022	<0.000019	0.000031 J	<0.000019	<0.000019	<0.000019	0.000025 J	<0.000019	<0.000019	<0.000019	<0.000019	0.000848
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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
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*													0.0131			
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																
4-Nitrophenol	*0.049*	*0.15*																
Acenaphthene	*1.5*	*4.4*	0.12	0.072	0.12	0.048	0.11	0.039	0.084	0.025	0.1	0.0631	0.108	<0.00037	0.0953	0.0472	0.057	<0.000027
Acenaphthylene	*1.5*	*4.4*	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	<0.00102	0.00166	0.00113	0.00065	<0.000015
Anthracene	*7.3*	*22*	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	<0.00242	0.00375	0.000945	0.0025	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*	<0.00021	<0.0012	<0.0033	<0.0033	<0.0033	<0.0033	<0.0005	<0.0005	<0.0005	0.00195	<0.000356	0.000493 J	<0.000349	<0.000356	<0.00019	<0.00019
Chrysene	*0.91*	*2*																
Dibenzofuran	*0.098*	*0.29*	0.0649	0.031	0.054	0.012	0.048	0.006	0.038	<0.0005	0.04	0.00352	0.0231	<0.0111	0.0199	0.00472	0.014	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00021	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.000104	<0.000106	0.000317 J	0.000109 J	<0.000106	<0.000044	<0.00002
Fluoranthene	*0.98*	*2.9*	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	<0.00267	0.00417	0.00201	0.0034	0.00011
Fluorene	*0.98*	*2.9*	0.0578	0.032	0.053	0.013	0.056	0.0038 J	0.046	<0.0005	0.054	0.00205	0.0388	<0.0195	0.0339	0.00867	0.025	<0.00003
Naphthalene	*0.49*	*1.5*	0.0772	<0.0008	0.048	<0.0006	0.0068	<0.0006	0.06	<0.0005	0.004 J	<0.0000755	0.00535	0.000382 J	0.0135	<0.0000769	0.0021	<0.00002
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*	<0.00021	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0000377	<0.0000385	<0.000037	<0.0000377	<0.0000385	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	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	<0.00126	0.00213	0.000935	0.0017	0.00032
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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CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-11B 07/14/2020	MW-11B 01/06/2021	MW-11B 07/06/2021	MW-11B 08/04/2021	MW-11B 01/03/2022	MW-11B 07/05/2022	MW-11B 01/03/2023
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*														0.04			
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																	
4-Nitrophenol	*0.049*	*0.15*																	
Acenaphthene	*1.5*	*4.4*	0.039	<0.000027	0.043	<0.000027	0.074	0.015	0.13			0.033	0.067	0.034	0.097	0.06	0.054	0.046	0.038
Acenaphthylene	*1.5*	*4.4*	0.00031	<0.000015	0.00032	<0.000015	0.00063	0.00054	0.0013			0.0016	0.00094	0.00075	0.00089	0.00079	0.00064	0.00064	0.00064
Anthracene	*7.3*	*22*	0.0018	0.00011	0.0022	0.0001	0.0037	0.00021	0.0045			<0.000014	0.0037	0.001	0.0045	0.005	0.0014	0.0039	0.00036
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*	0.00018 J	0.00017 J	<0.000037	<0.0001	<0.000037	<0.000085	<0.00026			0.000095 J	0.000064 J	<0.000066	<0.00013	0.00024	<0.000093	0.00011 J	0.000037 J
Chrysene	*0.91*	*2*																	
Dibenzofuran	*0.098*	*0.29*	0.0082	0.000055 J	0.0055	<0.00002	0.032	<0.00002	0.051			<0.00002	0.024	0.0057	0.034	0.026	0.009	0.02	0.0021
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.000045	<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*	0.0025	0.00021	0.0029	<0.00001	0.0043	0.0025	0.005			0.0024	0.0045	0.0023	0.0055	0.0065	0.0029	0.0038	0.0041
Fluorene	*0.98*	*2.9*	0.019	<0.00003	0.025	<0.00003	0.048	0.00015	0.061			0.00035	0.035	0.0077	0.045	0.041	0.017	0.027	0.0027
Naphthalene	*0.49*	*1.5*	0.0082	<0.00002	0.0019	<0.00002	0.34	<0.00002	**0.7**	**1.1**	**0.6**	<0.00002	0.3	0.0016	**0.5**	0.48	0.0021	0.17	<0.00002
Nitrobenzene	*0.049*	*0.15*																	
N-Nitrosodiphenylamine	*0.19*	*0.42*																	
Pentachlorophenol	*0.001*	*0.001*																	
Phenanthrene	*0.73*	*2.2*														0.019			
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*	0.0012	0.00013	0.0015	<0.000019	0.0023	0.0017	0.0027			0.0023	0.0027	0.0014	0.0029	0.0043	0.0017	0.0023	0.002
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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-11B 07/05/2023	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	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
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	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002
Benzene	*0.005*	*0.005*		<0.00025	<0.00025	0.00073 J	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0025	0.000237 J	0.0000957 J	0.00048 J	0.000122 J	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*		<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0025	<0.00012	<0.00012	<0.00012	<0.00012	<0.0003	<0.0003
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	0.000521 J	0.000774 J	0.000257 J	0.000403 J	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*		<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	**0.0087 J**	<0.00015	<0.00015	<0.00015	<0.00015	<0.001	<0.001
Toluene	*1*	*1*		<0.00041	<0.00041	0.00079 J	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0025	<0.00015	<0.000166	<0.00015	<0.00015	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*											<0.00011			<0.00011		
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	0.00197 J	0.00217 J	0.00145 J	0.00165 J	0.0023	0.00076 J
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*		<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	**<0.00529**	<0.000107	<0.000021	<0.000021
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	<0.000292	<0.000295	<0.0149	<0.000301	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*		<0.0002	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	**<0.00625**	<0.000126	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*		<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000762	**<0.00385**	<0.0000777	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*		<0.0004	<0.00039	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.00385	<0.0000777	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*		**0.174**	**0.332**	**0.22**	**0.15**	**0.15**	0.033	0.014	0.061	**0.17**	0.0477	**0.306**	0.0386	**0.121**	0.067	0.008
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	<0.000783	<0.00079	**<0.0399**	<0.000806	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*		<0.00025	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.000533	<0.0269	<0.000544	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.069	0.173	0.331	0.25	0.19	0.21	0.19	0.038	0.13	0.2	0.253	0.428	0.342	0.292	0.26	0.23
Acenaphthylene	*1.5*	*4.4*	0.0009	<0.0003	0.00276	0.0036	0.0026	0.0019	0.0016	<0.00005	0.0015	0.0015	<0.0000566	<0.0000571	<0.00288	0.00225	<0.000015	0.0017
Anthracene	*7.3*	*22*	0.0027	0.0103	0.0137	0.0099	0.0093	0.011	0.012	0.0017	0.028	0.023	0.0179	0.0222	0.0325	0.0179	0.016	0.019
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	0.000221 J	0.000226 J	<0.00385	0.000268 J	0.00016	0.00026
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	<0.0000755	<0.0000762	**<0.00385**	<0.0000777	<0.00002	<0.00002
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	<0.000123	<0.000124	**<0.00625**	<0.000126	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.0013 J	0.00033 J	0.00031	0.0006	<0.0002	0.00036	0.00017 J	<0.00027	<0.00012	<0.000349	<0.000352	**<0.0178**	0.000679	<0.00011	0.0002 J
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	0.000186 J	0.000231 J	<0.00385	0.000241 J	0.00015	0.00022
Dibenzofuran	*0.098*	*0.29*	0.021	**0.125**	**0.212**	**0.18**	**0.14**	**0.18**	**0.15**	0.025	**0.13**	**0.16**	**0.17**	**0.317**	**0.22**	**0.193**	**0.2**	**0.15**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.00024	<0.00529	0.000797	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0041	0.00693	0.0123	0.0061	0.0059	0.0064	0.0086	0.0017	0.0031	0.007	0.0111	0.0181	0.018 J	0.0132	0.013	0.0097
Fluorene	*0.98*	*2.9*	0.028	0.112	0.475	0.15	0.13	0.16	0.14	0.025	0.067	0.15	0.17	0.316	0.245	0.202	0.21	0.17
Naphthalene	*0.49*	*1.5*	0.16	**2.27**	**1.47**	**2.6**	**1.7**	**0.6**	0.22	0.05	**1.5**	0.36	0.0828 J	**0.661**	0.0338 J	0.075	0.012	0.0014
Nitrobenzene	*0.049*	*0.15*		<0.0004	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.00529	<0.000107	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*		<0.00025	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000952	<0.00481	<0.0000971	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*		<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000575	<0.000581	**<0.0293**	<0.000592	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*		0.0833	0.372	0.1	0.087	0.091	0.061	0.015	0.078	0.12	0.13	0.234	0.192	0.162	0.13	0.13
Phenol	*7.3*	*22*	<0.000035	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.000101 J	<0.0000381	<0.00192	<0.0000388	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.0022	0.00358	0.00518	0.0025	0.0029	0.0025	0.0044	0.00068	0.0026	0.0036	0.00515	0.00818	0.00759 J	0.00649	0.0064	0.0049
Metals																		
Arsenic	*0.01*	*0.01*															**0.017**	0.00133 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-12A 01/09/2023	MW-12A 07/12/2023	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
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	<0.005	<0.0002	<0.0002	<0.0002	<0.002
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	0.00344 J	**0.03**	0.0027	0.0017	0.0017	<0.002
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	<0.0075	<0.0003	<0.0003	<0.0003	<0.003
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	0.0125	0.014 J	0.012	0.0073	0.0083	0.0072 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	<0.00054	**<0.025**	<0.001	<0.001	<0.001	**<0.01**
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	0.00515	<0.005	0.0025	0.0013	0.0012	<0.002
Vinyl chloride	*0.002*	*0.002*													**<0.005**				
Xylenes (total)	*10*	*10*	0.00076 J	<0.0003	0.0006 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0013	0.00074 J	<0.0003	0.0264	<0.0075	0.019	0.01	0.011	<0.003
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**	<0.000021	<0.000021	<0.0008	**<0.0021**	<0.00021	<0.00021	<0.00021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.004	<0.000040	<0.00004	<0.0029	<0.004	<0.0004	<0.0004	0.00062 J	**0.52**
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**	<0.000058	<0.000058	**<0.0019**	**<0.0058**	<0.00058	<0.00058	<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	<0.000042	**<0.0042**	<0.000042	<0.000042	**<0.0019**	**<0.0042**	0.00051 J	<0.00042	<0.00042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021	<0.000021	<0.000021	<0.0038	<0.0021	<0.00021	<0.00021	<0.00021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	0.005	<0.000019	0.013	0.0023	0.012	0.013	0.041	0.018	0.06	0.0071	0.026	**0.508**	**320 J**	**0.84**	0.02	**0.12**	**0.33**
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	<0.000020	<0.00002	<0.0019	<0.002	<0.0002	<0.0002	<0.0002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.0047	<0.000047	<0.000047	<0.0024	<0.0047	<0.00047	<0.00047	<0.00047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.17	<0.000027	0.19	0.28	0.093	0.24	0.22	0.095	0.34	0.14	0.23	0.336	**350**	0.82	0.096	0.21	0.27
Acenaphthylene	*1.5*	*4.4*	0.0015	<0.000015	0.0013	0.0012	0.00096	0.0017	0.0017	0.0013	<0.0015	0.00087	<0.000015	0.0127	**5.7**	0.015	0.0033	0.0074	0.011
Anthracene	*7.3*	*22*	0.014	<0.000014	0.0087	0.0097	0.0076	0.018	0.018	0.009	0.027	0.0076	0.0081	0.0267	**160**	0.4	0.033	0.063	0.043
Benzo(a)anthracene	*0.0091*	*0.02*	0.00011	<0.00005	0.00041	0.00015	0.00015	0.00023	0.00031	0.00015	<0.005	<0.000050	<0.00005	0.00746	**79**	**0.23**	**0.021**	**0.031**	**0.037**
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	0.00012	<0.00002	0.000051 J	0.000034 J	0.00013	<0.00002	**<0.002**	<0.000020	<0.00002	**<0.0019**	**22**	**0.041**	**0.0074**	**0.011**	**0.0092**
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**	<0.000030	<0.00003	**<0.0038**	**<0.003**	<0.0003	<0.0003	<0.0003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00013 J	<0.000037	0.00031	0.00011 J	<0.00013	0.00014 J	<0.00038	<0.000037	<0.0037	<0.000037	<0.000037	<0.0019	<0.0037	<0.00037	<0.00037	<0.00037	<0.00037
Chrysene	*0.91*	*2*	0.00011	<0.000021	0.00034	0.00015	0.00015	0.00019	0.00032	0.00018	<0.0021	<0.000021	0.00012	0.00596	**64**	0.19	0.018	0.037	0.035
Dibenzofuran	*0.098*	*0.29*	**0.11**	0.000031 J	**0.14**	**0.23**	0.064	**0.16**	**0.17**	0.067	**0.22**	0.086	**0.099**	**0.204**	**320**	**0.76**	0.049	**0.15**	**0.26**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.000042	0.00022	0.000063 J	<0.00002	<0.002	<0.000020	<0.00002	<0.0019	<0.002	<0.0002	<0.0002	<0.0002	<0.0002
Fluoranthene	*0.98*	*2.9*	0.0084	<0.00001	0.0097	0.0067	0.0089	0.015	0.018	0.0079	0.021	0.006	0.0086	0.0508	**520**	**1.2**	0.15	0.24	0.44
Fluorene	*0.98*	*2.9*	0.13	<0.00003	0.16	0.28	0.078	0.21	0.21	0.084	0.26	0.11	0.18	0.196	**420**	0.96	0.11	0.25	0.28
Naphthalene	*0.49*	*1.5*	<0.0021	<0.00026	<0.0012	<0.00051	0.00048	0.00067	0.0011	0.00036	<0.002	0.016	<0.0013	**5.55**	**760**	**2.4**	0.017	0.18	**2.4**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0024	<0.000024	<0.000024	<0.0038	<0.0024	<0.00024	<0.00024	<0.00024	<0.00024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0025	<0.000025	<0.000025	<0.0024	<0.0025	<0.00025	<0.00025	<0.00025	<0.00025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**<0.0079**	<0.000079	<0.000079	**<0.0019**	**<0.0079**	<0.00079	<0.00079	<0.00079	<0.00079
Phenanthrene	*0.73*	*2.2*	0.093	<0.000021	0.063	0.082	0.041	0.09	0.096	0.038	0.13	0.027	0.052	0.322	**1200**	**2.6**	0.28	0.49	0.71
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.0035	<0.000035	<0.000035	<0.0019	<0.0035	<0.00035	**.0015 J**	0.0029	0.46
Pyrene	*0.73*	*2.2*	0.0042	<0.000019	0.0047	0.0031	0.0044	0.0073	0.0076	0.0059	0.01	0.0027	0.0038	0.033	**330**	**0.74**	0.08	0.15	0.14
Metals																			
Arsenic	*0.01*	*0.01*	0.00093 J	0.00192 J	0.00192 J	0.00134 J	<0.0004	<0.00124	<0.000669	0.000953 J	0.000421 J	0.000854 J	0.000855 J		**0.0491 J**	**0.0195**	**0.0274**	**0.0427**	**0.0253**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-12B 07/24/2022	MW-12B 01/31/2023	MW-12B 07/25/2023	MW-12C 01/30/2008	MW-12C 07/15/2008	MW-12C 02/04/2009	MW-12C 01/19/2010	MW-12C 06/22/2010	MW-12C 01/18/2011	MW-12C 07/26/2011	MW-12C 02/01/2012	MW-12C 07/19/2012	MW-12C 02/05/2013	MW-12C 07/31/2013	MW-12C 01/14/2014	MW-12C 07/25/2014
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.002	<0.00020	<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
Benzene	*0.005*	*0.005*	<0.002	<0.00020	0.0027	<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
Chlorobenzene	*0.1*	*0.1*	<0.003	<0.00030	<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
Ethylbenzene	*0.7*	*0.7*	0.0086 J	<0.00030	0.0084	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.000145	<0.00011	<0.00011	<0.00011
Methylene chloride	*0.005*	*0.005*	**<0.01**	<0.0010	<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
Toluene	*1*	*1*	<0.002	<0.00020	0.0026	<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
Vinyl chloride	*0.002*	*0.002*													<0.00011			<0.00011
Xylenes (total)	*10*	*10*	0.0056 J	<0.00030	0.011	<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
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.021**	<0.00021	**<0.0021**	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000106	<0.000107
2,4-Dimethylphenol	*0.49*	*1.5*	<0.04	0.0012 J	<0.004	<0.00031	<0.00032	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000292	<0.000295	<0.000298	<0.000301
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.058**	<0.00058	**<0.0058**	<0.0002	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000125	<0.000126
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.042**	<0.00042	**<0.0042**	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000762	<0.0000769	**0.209**
2-Chloronaphthalene	*2*	*5.8*	<0.021	<0.00021	<0.0021	<0.00041	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000769	<0.0000777
2-Methylnaphthalene	*0.098*	*0.29*	**1**	**0.2**	**0.24**	<0.00041	<0.00042	0.00045	0.00024	0.00011 J	0.00012 J	0.000099 J	<0.00005	0.000086 J	0.000146 J	0.000129 J	0.000164 J	<0.000146
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.02**	<0.0002	<0.002	<0.0002	<0.00053	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.00079	<0.000798	<0.000806
4-Nitrophenol	*0.049*	*0.15*	<0.047	<0.00047	<0.0047	<0.00026	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.000533	<0.000538	<0.000544
Acenaphthene	*1.5*	*4.4*	0.95	0.17	0.3	<0.00031	<0.00032	0.00052	0.00019 J	<0.00009	0.00012 J	<0.00005	<0.00005	0.00011 J	<0.0000755	<0.0000762	<0.0000769	<0.000114
Acenaphthylene	*1.5*	*4.4*	0.039 J	0.0067	0.011	<0.00031	<0.00032	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000571	<0.0000577	<0.0000583
Anthracene	*7.3*	*22*	0.37	0.012	0.11	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.0000745 J	<0.0000476	<0.0000481	<0.0000485
Benzo(a)anthracene	*0.0091*	*0.02*	**0.21**	0.0059	**0.059**	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000769	<0.0000777
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.02**	**0.001**	**0.017**	<0.0002	**<0.00021**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000769	<0.0000777
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.03**	<0.0003	**<0.003**	<0.00041	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000125	<0.000126
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**<0.037**	<0.00037	<0.0037	0.00114 J	<0.00021	0.0003	0.00077	<0.00099	<0.0002	0.0004	<0.0001	<0.00011	<0.000349	<0.000352	<0.000356	<0.000359
Chrysene	*0.91*	*2*	0.14	0.0035	0.048	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000769	<0.0000777
Dibenzofuran	*0.098*	*0.29*	**0.9**	**0.14**	**0.27**	<0.00031	<0.00032	0.0004	0.00014 J	<0.00008	0.00011 J	<0.00005	<0.00005	0.000054 J	0.0000865 J	0.0000857 J	0.0000979 J	<0.000091
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.02	<0.0002	<0.002	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.00011	<0.000106	<0.000107
Fluoranthene	*0.98*	*2.9*	**1.2**	0.053	0.38	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000066	<0.0000667	<0.0000673	<0.000068
Fluorene	*0.98*	*2.9*	**1**	0.13	0.34	<0.0002	<0.00021	0.00037	0.00014 J	<0.00007	0.000099 J	0.000071 J	0.0001 J	0.000082 J	0.000149 J	0.000102 J	<0.0000673	<0.000068
Naphthalene	*0.49*	*1.5*	**3.9**	**1.4**	**0.81**	0.000734	0.000833	0.003	0.0017	<0.00046	0.00099	0.00048	<0.00054	0.00052	0.000729	0.000585 J	<0.000853	<0.000598
Nitrobenzene	*0.049*	*0.15*	<0.024	<0.00024	<0.0024	<0.00041	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000106	<0.000107
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.025	<0.00025	<0.0025	<0.00026	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000952	<0.0000962	<0.0000971
Pentachlorophenol	*0.001*	*0.001*	**<0.079**	<0.00079	**<0.0079**	<0.0002	<0.00021	<0.00008	<0.00008	<0.00008	0.00015 J	<0.00005	<0.00005	<0.00005	<0.000575	<0.000581	<0.000587	<0.000592
Phenanthrene	*0.73*	*2.2*	**2.7**	0.21	**0.86**	<0.0002	<0.00021	0.00048	0.00015 J	<0.00007	0.00011 J	<0.00005	<0.00005	0.000059 J	<0.0000566	<0.0000571	<0.0000872	<0.0000808
Phenol	*7.3*	*22*	<0.035	<0.00035	<0.0035	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000377	<0.0000381	<0.0000385	<0.0000388
Pyrene	*0.73*	*2.2*	0.65	0.023	0.21	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000106	<0.000107
Metals																		
Arsenic	*0.01*	*0.01*	**0.0388**	**0.0346**	**0.0387**													

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-12C 07/13/2022	MW-12C 01/09/2023	MW-12C 07/12/2023	MW-13 01/30/2008	MW-13 07/15/2008	MW-13 02/04/2009	MW-13 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	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00025	<0.00025	<0.0005	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	<0.0005	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.0005	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00041	<0.0005	<0.0005
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00127	<0.00127	<0.001	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000053 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	0.00043	<0.00004	<0.00004	0.000079 J	0.00012 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00029	<0.00029	<0.00008	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00019	<0.00019	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**0.061**	<0.000042	<0.000042	<0.00019	<0.00019	<0.00007	0.00066
2-Chloronaphthalene	*2*	*5.8*	0.000079 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000029 J	<0.000021	<0.000021	<0.000021	0.000023 J	<0.000021	<0.000021	<0.00038	<0.00039	<0.00012	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	0.000091 J	0.000092 J	0.000078 J	0.00039	0.00021	0.00018	0.000052 J	0.00019	0.00018	<0.00017	0.000077 J	0.000095 J	<0.00011	<0.00038	<0.00039	<0.00007	0.00076
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	<0.00019	<0.00049	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00024	<0.00024	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	0.0002	0.0001	<0.000027	0.093	0.000071 J	0.00015	0.00007 J	0.00026	0.00016	<0.00015	0.000055 J	<0.00013	<0.000027	<0.00029	<0.00029	<0.00009	0.00011 J
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.00064	<0.000015	0.00082	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.00029	<0.00006	<0.00007
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	0.0084	0.00003 J	<0.000014	0.000019 J	0.00011	<0.000014	0.000041 J	0.000025 J	<0.000014	0.000033 J	0.000955	0.000642	0.0002	0.00043
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	0.00014	<0.00005	<0.00005	<0.00005	0.000057 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00019	<0.00019	<0.00007	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	0.000041 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00019	<0.00008	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00038	<0.00039	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00009	0.00013 J	<0.000037	0.00011 J	<0.000037	<0.000037	<0.000053	<0.0002	<0.00021	<0.000037	0.00033	<0.000037	<0.000037	0.00051 J	<0.00019	0.00035	0.0016
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	0.00013	<0.000021	<0.000021	<0.000021	0.000061	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00019	<0.00019	<0.00007	<0.00007
Dibenzofuran	*0.098*	*0.29*	0.0001	<0.00002	0.000052 J	0.067	0.00007 J	0.00012	0.000041 J	0.0002	0.00013	<0.00011	0.000052 J	<0.000092	<0.00002	<0.00029	<0.00029	<0.00008	0.00019 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000034 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00014	<0.00019	<0.00019	<0.00007	<0.00007
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	0.0071	<0.00001	0.000091 J	<0.000021	0.00018	<0.00001	<0.00001	<0.000013	<0.000058	<0.00001	0.00046 J	<0.00019	<0.00007	<0.00007
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.000087 J	0.085	0.000052 J	0.00019	<0.00003	0.00025	0.00021	<0.00014	<0.00003	<0.00003	<0.00003	<0.00019	<0.00019	<0.00007	<0.00007
Naphthalene	*0.49*	*1.5*	0.00046	0.0003	<0.00061	<0.00017	<0.0031	0.0017	<0.00023	0.0014	0.0013	<0.002	0.00068	0.00063	<0.00075	<0.00038	<0.00039	<0.0001	0.007
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	<0.00038	<0.00039	<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	<0.000025	<0.000025	<0.00024	<0.00024	<0.00009	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00019	<0.00019	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	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	0.000051 J	<0.00017	0.00008 J	<0.00019	<0.00019	<0.00007	0.00014 J
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	0.0004	0.00012 J	0.000042 J	0.000051 J	0.000099 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.00019	<0.00007	<0.00007
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	0.0031	<0.000019	0.000068 J	<0.000019	0.00015	<0.000019	<0.000019	<0.000019	0.000038 J	<0.000019	<0.00019	<0.00019	<0.00007	<0.00007
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	0.00224	0.00190 J	0.00191 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

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

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-13 01/13/2021	MW-13 07/07/2021	MW-13 01/20/2022	MW-13 07/11/2022	MW-13 01/10/2023	MW-13 07/13/2023	MW-14 01/30/2008	MW-14 07/15/2008	MW-14 02/04/2009	MW-14 02/04/2009 Duplicate	MW-14 01/19/2010	MW-14 01/19/2010 Duplicate	MW-14 06/22/2010	MW-14 01/17/2011	MW-14 07/26/2011	MW-14 07/26/2011 Duplicate	MW-14 02/02/2012
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001
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	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0011
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	<0.0005	<0.0005	<0.0013	<0.0013	<0.0013
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<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	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0031	<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	<0.00008	<0.00008	<0.0001	<0.0001	<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	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	0.00005 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00019	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<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	<0.00019	<0.00007	<0.00007	<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	<0.00038	<0.00012	<0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	0.000076 J	<0.000019	<0.000019	0.00047 J	0.000782	0.00075	0.00078	0.00064	0.0006	0.00049	0.00039	0.00034	0.00031	0.000064 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00048	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00024	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00223	0.000515	0.00047	0.0005	0.00043	0.00043	0.00041	0.00033	0.00032	0.00028	0.00005 J
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.00029	<0.00006	<0.00006	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Anthracene	*7.3*	*22*	0.00006 J	0.000067 J	<0.000014	0.000084 J	0.00018	0.0001	0.000678	<0.00019	<0.00007	<0.00007	<0.00007	0.00013 J	<0.00007	<0.00007	<0.00005	0.000087 J	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<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	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00017 J	0.0012	<0.000037	0.00037	<0.000037	<0.000037	0.0004 J	<0.00019	0.00081	0.0027	0.0054 J	0.00037 J	<0.00077	0.00029	0.00047	0.00065	<0.0001
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000491	0.000502	0.00045	0.00045	0.0004	0.00044	0.00037	0.0003	0.00031	0.00027	0.00012 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00025	<0.00002	<0.00002	0.000028 J	<0.00002	<0.00002	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	0.00003 J	<0.00001	<0.00001	0.000023 J	<0.00001	<0.00001	0.000506	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00024
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	0.00006 J	<0.00003	<0.00003	<0.00019	<0.00019	<0.00007	0.00014 J	0.00013 J	0.0001 J	<0.00007	0.000079 J	<0.00005	0.000065 J	<0.00005
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00027	<0.00002	0.00015	<0.00002	<0.000073	0.00222	0.00349	0.0032	0.0033	0.003	0.0026	0.0022	0.0024	0.0014	0.0012	0.00034 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00038	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00024	<0.00024	<0.00009	<0.00009	<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	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	0.000059 J	<0.000021	<0.000021	0.000599	0.00061	0.00035	0.00039	0.00041	0.00043	0.00044	0.0003	0.00033	0.00032	0.00011 J
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00005 J
Pyrene	*0.73*	*2.2*	0.00003 J	0.000078 J	<0.000019	0.000055 J	<0.000019	<0.000019	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00029
Metals																			
Arsenic	*0.01*	*0.01*	**0.0199**	0.0055	0.00618	0.00472	**0.0142**	**0.0248**											

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-14 02/02/2012 Duplicate	MW-14 07/16/2012	MW-14 07/16/2012 Duplicate	MW-14 02/05/2013	MW-14 07/31/2013	MW-14 01/14/2014	MW-14 07/18/2014	MW-14 01/23/2018	MW-14 03/18/2018	MW-14 05/15/2018	MW-14 01/08/2019	MW-14 07/11/2019	MW-14 01/14/2020	MW-14 07/15/2020	MW-14 01/12/2021	MW-14 07/07/2021
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.0005	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.001	<0.0005	<0.0005	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.0005	<0.0005	<0.00012	<0.00012	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0011	<0.0005	<0.0005	<0.00011	0.000123 J	<0.00011	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0013	<0.001	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.001	<0.0005	<0.0005	<0.00015	<0.00015	<0.00015	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*				<0.00011			<0.00011									
Xylenes (total)	*10*	*10*	<0.0031	<0.0015	<0.0015	<0.00026	<0.00026	<0.00026	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.00005	<0.000104	<0.000107	<0.000106	<0.000109	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.0013 J	<0.00005	<0.00005	<0.000292	<0.000301	<0.000298	<0.000307	<0.00004	<0.00004	<0.00004	<0.00004	<0.00013	<0.00004	0.00013 J	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.00005	<0.000123	<0.000126	<0.000125	<0.000129	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000777	<0.0000769	**0.0788**	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**0.0057**	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.0000769	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000053 J	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.00017 J	0.0003	0.00044	0.000402 J	0.000304 J	0.000321 J	0.000336 J	0.00019	<0.00014	<0.000019	<0.000019	0.00019	<0.000019	0.00024	<0.000063	0.00011
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.000783	<0.000806	<0.000798	<0.000822	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.000528	**R**	<0.000538	<0.000554	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.00015 J	0.0003	0.00035	0.0006	0.000549	0.000943	0.000619	0.00019	0.00027	<0.000027	<0.000027	0.0001	0.000091 J	0.000083 J	0.00021	0.000058 J
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000583	<0.0000577	<0.0000594	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	0.000069 J	<0.00005	0.000277 J	0.000198 J	<0.000179	0.000139 J	0.000067 J	0.000052 J	<0.000014	0.000052 J	0.000089 J	<0.000014	0.000034 J	0.000077 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.0000769	<0.0000792	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.0000769	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	<0.00005	<0.000123	<0.000126	<0.000125	<0.000129	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00013	0.00011 J	0.00011 J	<0.000349	<0.000359	<0.000356	0.000615	<0.000091	<0.000037	0.00014 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.00017 J
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.0000769	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.00015 J	0.00032	0.00034	0.000467 J	0.000372 J	0.000443 J	0.000437 J	0.00024	<0.00025	<0.00002	<0.00002	0.000087 J	<0.00002	0.000062 J	0.00021	0.000028 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	<0.00005	<0.000104	<0.000179	<0.000106	<0.000109	<0.00002	<0.00002	<0.00002	0.000022 J	<0.00002	<0.00002	<0.00002	<0.00029	0.000039 J
Fluoranthene	*0.98*	*2.9*	0.00031	0.000055 J	<0.00005	0.0000794 J	0.000274 J	0.0000744 J	<0.0000693	0.000028 J	0.000025 J	<0.00001	<0.00001	0.000067 J	0.000064 J	<0.00001	0.00076	0.00003 J
Fluorene	*0.98*	*2.9*	<0.00005	0.000076 J	<0.00005	<0.000066	<0.000068	0.00008 J	0.0000901 J	<0.00003	0.000094 J	<0.00003	<0.00003	0.000069 J	0.000057 J	<0.00003	<0.00019	<0.00003
Naphthalene	*0.49*	*1.5*	0.0014 J	<0.0015	<0.002	0.00211	0.00216 J	<0.00183	0.00143	0.00067	<0.00057	<0.00002	<0.00002	<0.002	<0.00002	0.0042	<0.0004	0.0017
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	0.00008 J	<0.000104	<0.000107	<0.000106	<0.000109	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000971	<0.0000962	<0.000099	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.00005	<0.000575	<0.000592	<0.000587	<0.000604	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.00014 J	0.00038	0.00039	0.000484	0.000662	<0.000591	0.000506	0.00035	0.00032	<0.000021	<0.000021	0.000059 J	<0.000021	0.000053 J	<0.00042	0.000027 J
Phenol	*7.3*	*22*	0.00075 J	<0.00005	<0.00005	<0.0000377	0.000398 J	<0.0000385	<0.0000396	<0.000035	<0.000035	<0.000035	<0.000035	0.00019 J	<0.000035	0.0002 J	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00029	<0.00005	<0.00005	<0.000104	0.000164 J	<0.000106	<0.000109	<0.000019	<0.000019	<0.000019	<0.000019	0.000032 J	0.00006 J	<0.000019	0.00061	0.000039 J
Metals																		
Arsenic	*0.01*	*0.01*								<0.0004	<0.0004	<0.0004	0.000752 J	0.00133 J	0.00185 J	0.000949 J	<0.00277	<0.000963

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-14 01/05/2022	MW-14 07/11/2022	MW-14 01/05/2023	MW-14 07/11/2023	MW-15A 01/30/2008	MW-15A 07/15/2008	MW-15A 02/04/2009	MW-15A 01/18/2010	MW-15A 06/23/2010	MW-15A 01/17/2011	MW-15A 07/13/2011	MW-15A 02/02/2012	MW-15A 07/19/2012	MW-15A 01/30/2013	MW-15A 07/30/2013	MW-15A 01/14/2014
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	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.00014
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	0.00161 J	<0.00025	0.0018 J	0.0016 J	0.0017 J	0.00074 J	0.0016 J	0.0012 J	0.0016 J	0.0016	0.0013	0.00106
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	<0.0005		<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	0.000121 J	<0.00012
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	0.00122 J	<0.00025	0.0019 J	0.0015 J	0.0017 J	<0.0005	0.0019 J	0.0024 J	0.0012 J	0.00066 J	0.000799 J	0.000627 J
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00015
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00041	<0.0005	<0.0005	0.00055 J	<0.0005	<0.001	<0.001	<0.0005	0.000221 J	0.000199 J	0.00034 J
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	0.0056 J	<0.00127	0.0039 J	0.0015 J	0.0047 J	<0.001	0.0038 J	0.0073 J	0.0097 J	0.00417	0.00527	0.00337
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000107	**<0.00529**
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.0003	0.00042 J	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	0.00059	0.00056	0.002	<0.000301	<0.0149
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.0002	<0.0002	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000126	**<0.00625**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000777	**<0.00385**
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.0004	<0.00041	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.00385
2-Methylnaphthalene	*0.098*	*0.29*	<0.00028	0.000084 J	<0.000019	<0.000019	0.0127	**0.0995**	0.044	0.033	0.042	0.038	**0.14**	0.001	0.046	0.00997	**0.124**	0.0475
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00051	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.000806	**<0.0399**
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.00025	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.000544	<0.0269
Acenaphthene	*1.5*	*4.4*	<0.00022	<0.000027	0.000038 J	<0.000027	0.134	0.442	0.17	0.17	0.16	0.27	0.2	0.13	0.13	0.141	0.332	0.3
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.0003	<0.00031	0.0017	0.0015	0.00097	0.0011	0.00097	0.00071	0.0012	<0.0000566	<0.0000583	<0.00288
Anthracene	*7.3*	*22*	0.000066 J	<0.000014	<0.000014	<0.000014	0.00377	0.00432	0.003	0.0036	0.0049	0.0063	0.0053	0.0028	0.0046	0.00313	0.0085	0.0111 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.000050	<0.00005	0.00023 J	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.00385
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.000020	<0.00002	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	**<0.00385**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.000030	<0.00003	<0.0004	<0.00041	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000126	**<0.00625**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000068 J	<0.000037	<0.000037	<0.000037	<0.0002	<0.0002	0.0026	<0.00073	<0.00084	0.0016	<0.00012	<0.0001	<0.0001	<0.000349	<0.000359	**<0.0178**
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.00385
Dibenzofuran	*0.098*	*0.29*	<0.00014	<0.00002	<0.000020	<0.00002	0.0239	**0.156**	0.047	0.043	0.048	0.05	0.078	0.028	0.046	0.0416	**0.104**	0.0693
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.000020	<0.00002	<0.0002	<0.0002	0.00029	0.00011 J	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	0.000187 J	<0.00529
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.000010	<0.00001	0.00178	0.00183	0.0011	0.0015	0.002	0.0023	0.0021	0.00094	0.0015	0.000885	0.00361	<0.00337
Fluorene	*0.98*	*2.9*	<0.00011	<0.00003	<0.000030	<0.00003	0.0394	0.18	0.059	0.06	0.062	0.076	0.092	0.043	0.063	0.056	0.139	0.114
Naphthalene	*0.49*	*1.5*	<0.0028	0.00036	<0.000020	<0.00009	0.00684	0.271	0.048	<0.0018	0.036	0.0023	0.087	0.008	0.27	0.0501 J	**0.526**	0.326
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.0004	<0.00041	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000107	<0.00529
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	0.00055	<0.00005	<0.00005	<0.0000943	<0.0000971	<0.00481
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000575	<0.000592	**<0.0293**
Phenanthrene	*0.73*	*2.2*	0.00004 J	<0.000021	<0.000021	0.000032 J	0.0039	0.0229	0.0095	0.0074	0.012	0.019	0.036	0.0056	0.014	0.00792	0.052	0.0375
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.0002	<0.0002	<0.00007	<0.00007	0.0002	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000377	<0.0000388	<0.00192
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	0.00127	0.000664	0.00042	0.00062	0.00076	0.00095	0.00089	0.00053	0.00084	0.000496	0.00154	<0.00529
Metals																		
Arsenic	*0.01*	*0.01*	0.000998 J	0.000633 J	0.00121 J	0.00125 J												

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-15A 07/17/2014	MW-15A 01/23/2018	MW-15A 03/18/2018	MW-15A 05/15/2018	MW-15A 01/08/2019	MW-15A 07/10/2019	MW-15A 01/14/2020	MW-15A 07/14/2020	MW-15A 01/19/2021	MW-15A 07/08/2021	MW-15A 01/12/2022	MW-15A 03/24/2022	MW-15A 07/11/2022	MW-15A 01/05/2023	MW-15A 07/11/2023	MW-15B 02/02/2012
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.005
Benzene	*0.005*	*0.005*	0.00161	<0.0002	0.00051 J	0.0006 J	<0.0002	0.00074 J	0.00034 J	0.00064 J	0.00078 J	0.00092 J	0.00053 J	0.00028 J	<0.0002	<0.0002	<0.0002	<0.005
Chlorobenzene	*0.1*	*0.1*	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.005
Ethylbenzene	*0.7*	*0.7*	0.00101	<0.0003	<0.0003	<0.0003	<0.0003	0.00035 J	<0.0003	0.00037 J	0.00033 J	0.0003 J	<0.0003	<0.0003	<0.0003	<0.0003	0.00064 J	0.02 J
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.0065**
Toluene	*1*	*1*	0.000595 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00035 J	0.00032 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.005
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	0.00854	0.0018	<0.0003	<0.0003	0.0008 J	0.0026	0.00093 J	0.0026	0.0014	0.0018	0.0024	0.00066 J	<0.0003	<0.0003	0.0064	<0.016
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00036	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000292	<0.00004	<0.00004	<0.00004	<0.00004	<0.00024	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.0033	<0.00004	<0.00004	<0.00004	<0.00043
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	<0.000058	<0.000058	<0.000058	<0.00005
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	<0.000042	<0.000042	<0.000042	<0.00006
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	<0.000021	<0.000021	<0.000021	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	0.059	0.0076	0.0016	0.0034	0.0098	0.0077	0.018	0.014	0.013	0.02	0.0011	0.004	0.00016	0.053	0.013	**0.29**
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	<0.00002	<0.00002	<0.00002	<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	<0.000047	<0.000047	<0.000047	<0.00005
Acenaphthene	*1.5*	*4.4*	0.205	0.13	0.099	0.1	0.1	0.11	0.14	0.091	0.076	0.19	0.056	0.062	0.058	0.14	0.043	0.17
Acenaphthylene	*1.5*	*4.4*	<0.0000566	0.002	0.0007	0.00069	<0.000015	0.00045	0.00066	0.00047	0.00077	0.00077	0.0015	0.00071	0.00034	<0.000015	<0.000015	0.0011
Anthracene	*7.3*	*22*	0.00642	0.0026	0.0024	0.0032	0.0025	0.0026	0.0048	0.0028	0.0023	0.0057	0.0015	0.0024	0.00076	0.0044	0.0014	0.039
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0000755	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00016 J
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000349	<0.000037	<0.000037	**0.0093**	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.00017	<0.000037	0.00023	0.000051 J	<0.000037	<0.000037	<0.0001
Chrysene	*0.91*	*2*	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00019 J
Dibenzofuran	*0.098*	*0.29*	0.0572	0.029	0.024	0.018	0.023	0.035	0.036	0.024	0.02	0.041	0.014	0.014	0.0077	0.038	0.011	**0.15**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000104	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00028	<0.00002	<0.00002	0.000077 J	<0.00002	<0.00002	<0.00002	<0.00005
Fluoranthene	*0.98*	*2.9*	0.00257	0.002	0.0012	0.0016	0.0012	0.0018	0.0031	0.0021	0.0021	0.0041	0.0018	0.0018	0.0011	0.0034	0.0011	0.012
Fluorene	*0.98*	*2.9*	0.0822	0.041	0.036	0.029	0.038	0.054	0.065	0.041	0.031	0.074	0.019	0.026	0.016	0.066	0.019	0.084
Naphthalene	*0.49*	*1.5*	0.248	0.0005	<0.00034	<0.00037	<0.00032	<0.0066	0.00022	<0.00092	<0.00098	0.00052	<0.00046	0.011	0.00012	0.058	0.04	**2.5**
Nitrobenzene	*0.049*	*0.15*	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00005
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	<0.000025	<0.000025	<0.000025	<0.00005
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	<0.000079	<0.000079	<0.000079	<0.00005
Phenanthrene	*0.73*	*2.2*	0.0203	0.0046	0.0054	0.0074	0.009	0.0095	0.025	0.0096	0.0082	0.021	0.00084	0.0067	0.00068	0.027	0.0063	0.08
Phenol	*7.3*	*22*	<0.0000377	<0.000035	<0.000035	<0.000035	<0.000035	0.00039	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.0049	<0.000035	<0.000035	<0.000035	<0.00012
Pyrene	*0.73*	*2.2*	0.00101	0.0009	0.00063	0.00078	0.00051	0.00075	0.0013	0.00098	0.00083	0.0017	0.0008	0.00084	0.00056	0.0013	0.00042	0.005
Metals																		
Arsenic	*0.01*	*0.01*		**0.0264**	**0.0137**	**0.019**	**0.027**	**0.0251**	**0.0441**	**0.022**	**0.0144**	**0.0204**	**0.0126**	**0.0187**	**0.0248**	**0.0422**	**0.023**	

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-15B 07/19/2012	MW-15B 01/30/2013	MW-15B 07/30/2013	MW-15B 01/14/2014	MW-15B 07/17/2014	MW-15B 01/23/2018	MW-15B 03/18/2018	MW-15B 05/15/2018	MW-15B 01/08/2019	MW-15B 07/10/2019	MW-15B 01/14/2020	MW-15B 07/14/2020	MW-15B 01/19/2021	MW-15B 07/08/2021	MW-15B 01/05/2022	MW-15B 07/11/2022	MW-15B 01/05/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0025	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.0053 J**	0.0022	0.00484	0.00101	0.00292	<0.0002	<0.0002	0.00071 J	<0.0002	0.0023	<0.0002	0.0025	<0.0002	0.0024	<0.0002	0.0019	0.0013
Chlorobenzene	*0.1*	*0.1*	<0.0025	<0.00012	0.000124 J	<0.00012	0.000136 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.014 J	0.00159	0.00399	0.00019 J	0.00903	<0.0003	<0.0003	0.001	<0.0003	0.0031	<0.0003	0.0016	<0.0003	0.0015	<0.0003	<0.0003	0.00035 J
Methylene chloride	*0.005*	*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	<0.001
Toluene	*1*	*1*	<0.0025	<0.00015	0.000155 J	<0.00015	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00036 J	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0075	0.000356 J	0.00876	0.000876 J	0.00464	<0.0003	<0.0003	<0.0003	<0.0003	0.0025	<0.0003	0.0026	<0.0003	0.0028	0.00078 J	<0.0003	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.000104	<0.000107	<0.00106	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.000292	<0.000301	<0.00298	<0.000292	<0.00004	<0.00004	<0.00004	<0.00004	<0.00016	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.000123	<0.000126	<0.00125	<0.000123	<0.000059	<0.000058	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.0000755	<0.0000777	<0.000769	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.0000755	<0.0000777	<0.000769	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.023	<0.000744	0.00327	0.00325 J	0.00622	<0.000019	<0.000019	0.00015	<0.000019	0.016	<0.000019	0.013	0.003	0.029	<0.00041	0.023	0.003
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.000783	<0.000806	**<0.00798**	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.000528	<0.000544	<0.00538	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.075	0.0413	0.114	0.134	0.0653	<0.000027	<0.000027	0.012	0.0026	0.029	0.000073 J	0.019	0.015	0.045	0.035	0.039	0.02
Acenaphthylene	*1.5*	*4.4*	0.0008	0.000987	<0.0000583	0.00148 J	<0.0000566	0.000059 J	<0.000015	0.00027	0.00015	0.00034	<0.000015	0.00018	0.00029	0.00031	0.00035	0.00016	<0.000015
Anthracene	*7.3*	*22*	0.0071	0.00179	0.00581	0.00665	0.00517	0.00034	0.00016	0.00058	0.00023	0.0016	0.00011	0.0018	0.00033	0.0027	0.00075	0.0027	0.00034
Benzo(a)anthracene	*0.0091*	*0.02*	0.00017 J	<0.0000755	0.000218 J	0.000868 J	0.00031 J	0.00017	<0.00005	0.00011	<0.000051	0.00016	<0.00005	0.00018	0.000074 J	0.00021	0.00012	0.00026	<0.000050
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.0000755	<0.0000777	**<0.000769**	<0.0000755	0.00007 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.000123	<0.000126	**<0.00125**	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00018	<0.000349	<0.000359	<0.00356	0.000548	<0.00007	<0.000037	0.0001 J	<0.000037	<0.000037	0.000055 J	<0.000037	<0.000037	<0.00017	<0.000037	0.000094 J	<0.000037
Chrysene	*0.91*	*2*	0.00013 J	<0.0000755	0.000167 J	<0.000769	0.000228 J	0.00014	<0.000021	0.000098 J	<0.000021	0.00013	<0.000021	0.00015	0.000067	0.00019	0.000094 J	0.00027	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.052	0.0127	0.0589	0.0509	0.0272	0.0005	<0.00002	0.0025	0.00014	0.013	<0.00002	0.0097	0.0061	0.022	0.0074	0.018	0.0048
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.000104	0.000187 J	<0.00106	<0.000104	<0.00002	<0.00002	0.000042 J	0.000022 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0062	0.00101	0.00615	0.0131	0.00736	0.0027	<0.00001	0.0031	0.00045	0.0042	0.00011	0.0037	0.0019	0.0064	0.0028	0.0056	0.0015
Fluorene	*0.98*	*2.9*	0.036	0.011	0.0459	0.0443	0.0231	0.00017	<0.00003	0.0028	0.000055 J	0.01	0.000062 J	0.0098	0.0042	0.021	0.0061	0.018	0.0045
Naphthalene	*0.49*	*1.5*	**0.82**	0.0569 J	**0.943**	0.248	0.452	<0.00002	<0.00002	0.02	<0.00002	0.33	<0.00002	0.32	0.099	0.42	<0.019	0.28	0.094
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.000104	<0.000107	<0.00106	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.0000943	<0.0000971	<0.000962	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.000575	<0.000592	**<0.00587**	<0.000575	<0.00008	<0.000079	<0.00008	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.052	0.00199	0.0376	0.0257	0.0204	0.00033	<0.000021	0.00016	<0.000021	0.0065	0.00005 J	0.0087	0.00058	0.015	0.0004	0.019	0.0017
Phenol	*7.3*	*22*	<0.00005	<0.0000377	<0.0000388	0.00141 J	0.00112	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.000035	<0.000035	0.000096 J	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.0031	0.000513	0.00291	0.00569	0.00406	0.0016	<0.000019	0.0017	0.00027	0.0018	0.00006 J	0.0021	0.00099	0.0035	0.002	0.0032	0.00076
Metals																			
Arsenic	*0.01*	*0.01*						0.00895	0.00329	**0.0111**	0.00244	**0.0133**	0.00343	**0.0131**	**0.0171**	**0.0128**	**0.014**	**0.0134**	0.00658

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-15B 07/11/2023	MW-15C 01/30/2008	MW-15C 07/15/2008	MW-15C 02/04/2009	MW-15C 01/18/2010	MW-15C 06/23/2010	MW-15C 01/17/2011	MW-15C 07/13/2011	MW-15C 02/02/2012	MW-15C 07/19/2012	MW-15C 01/30/2013	MW-15C 07/30/2013	MW-15C 01/14/2014	MW-15C 07/17/2014	MW-15C 01/23/2018	MW-15C 03/18/2018
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	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	0.00109 J	<0.00025	0.00096 J	0.0012 J	0.001 J	0.00096 J	<0.001	<0.001	<0.0005	0.000951 J	0.000831 J	0.000863 J	0.000781 J	0.00063 J	0.00053 J
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.00047	<0.00047	<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	0.00135 J	<0.00025	0.00068 J	0.00058 J	<0.0005	<0.0005	<0.0011	0.0017 J	<0.0005	0.000408 J	0.000203 J	0.000275 J	0.000219 J	<0.0003	<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	<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	0.000323 J	0.000263 J	0.000305 J	0.00019 J	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	<0.0003	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	0.000604 J	0.000839 J	0.000581 J	0.000392 J	<0.0003	<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	**<0.0104**	<0.000107	<0.00106	<0.000104	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00029	<0.00032	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**113**	<0.000301	<0.00298	<0.000292	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.0002	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.0123**	<0.000126	<0.00125	<0.000123	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	**<0.00755**	<0.0000777	<0.000769	<0.0000755	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.00039	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00755	<0.0000777	<0.000769	<0.0000755	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000076	<0.00039	<0.00042	0.000084 J	<0.00007	<0.00007	<0.00007	<0.00005	0.000099 J	0.00022	**0.35**	<0.000068	<0.000673	<0.000066	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.0002	<0.00053	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	**<0.0783**	<0.000806	**<0.00798**	<0.000783	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.00024	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	**<0.0528**	<0.000544	<0.00538	<0.000528	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.012	0.0293	0.103	0.034	0.0097	0.013	0.032	0.016	0.041	0.042	0.13	0.0574	0.0912	0.0455	0.027	0.021
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.00029	0.000651	0.00052	0.00041	0.00062	0.0011	0.0012	0.0013	0.002	<0.00566	0.00268	<0.000577	0.00342	0.0027	0.002
Anthracene	*7.3*	*22*	0.00064	<0.0002	0.000731	0.00078	0.00031	<0.00007	<0.00007	<0.00005	0.00021	0.00045	0.0191 J	0.0000945 J	<0.000481	0.000315 J	0.00047	0.000095 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00755	<0.0000777	<0.000769	<0.0000755	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.0002	**<0.00021**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**<0.00755**	<0.0000777	**<0.000769**	<0.0000755	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00039	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.0123**	<0.000126	**<0.00125**	<0.000123	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.00044 J	<0.00021	<0.0002	<0.00065	<0.00059	0.00044	<0.00057	<0.0001	<0.00012	**<0.0349**	<0.000359	<0.00356	0.000526	<0.000067	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00755	<0.0000777	<0.000769	<0.0000755	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.0021	0.0336	0.0904	0.034	0.0075	0.005	0.018	0.0046	0.027	0.021	**0.116**	0.0141	0.0317	0.0102	0.0081	0.0029
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.000059 J	<0.0104	<0.000107	<0.00106	<0.000104	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0027	0.000607	0.00103	0.0006	0.00029	0.0002 J	0.0003	0.00031	0.0016	0.00079	<0.0066	0.000634	0.00158 J	0.000763	0.00094	0.00054
Fluorene	*0.98*	*2.9*	0.003	0.00328	0.00278	0.0027	0.0011	0.00071	0.0017	0.00074	0.0025	0.0014	0.0769	0.00159	0.00224 J	0.00135	0.001	0.00045
Naphthalene	*0.49*	*1.5*	<0.00061	0.00137	0.00195	0.0016	<0.00057	<0.00094	0.00091	<0.00046	0.0011	0.0018	**89.7**	<0.00122	<0.00182	<0.000748	0.00042	<0.00031
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.00039	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0104	<0.000107	<0.00106	<0.000104	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.00024	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00943	<0.0000971	<0.000962	<0.0000943	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.0002	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**<0.0575**	<0.000592	**<0.00587**	<0.000575	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.0002	0.00028 J	<0.00007	0.00014 J	<0.00007	<0.00007	0.00019 J	0.0015	0.00038	0.0868	0.000354 J	<0.000577	<0.0000566	<0.000021	0.00019
Phenol	*7.3*	*22*	<0.000035	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	**61.8**	<0.0000388	<0.000385	<0.0000377	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.0014	0.000542	0.00052	0.00027	0.00012 J	0.00011 J	0.00015 J	0.00018 J	0.00093	0.00046	<0.0104	0.00037 J	<0.00106	0.00043 J	0.00049	0.00035
Metals																		
Arsenic	*0.01*	*0.01*	**0.0113**														0.000738 J	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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-15C 05/15/2018	MW-15C 01/08/2019	MW-15C 07/10/2019	MW-15C 01/14/2020	MW-15C 07/14/2020	MW-15C 01/19/2021	MW-15C 07/13/2021	MW-15C 01/05/2022	MW-15C 07/11/2022	MW-15C 01/05/2023	MW-15C 07/11/2023	MW-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
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	<0.0002	<0.00020	<0.00020	<0.00052	**<0.01**	<0.0005	<0.0025	<0.0025	<0.0025
Benzene	*0.005*	*0.005*	0.00052 J	0.00058 J	0.0005 J	0.00059 J	0.00045 J	0.00067 J	0.00051 J	<0.001	0.00042 J	<0.00020	<0.00020	**0.545**	**0.448**	**0.65**	**0.59**	**0.65**	**0.31**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0003	<0.00030	<0.00030	<0.00047	<0.0094	<0.0005		<0.0025	<0.0025
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0003	<0.00030	<0.00030	0.193	0.142	0.26	0.26	0.2	0.21
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0061 J**	<0.001	<0.0010	<0.0010	<0.00054	**<0.011**	<0.0005	<0.0025	**<0.0056**	<0.0025
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00047 J	0.00054 J	<0.001	0.00024 J	<0.00020	<0.00020	0.909	0.728	**1.1**	1	0.88	0.97
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0003	<0.00030	<0.00030	0.582	0.44	0.55	0.72	0.61	0.64
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	**<0.002**	**<0.008**	<0.0001	0.001 J	<0.001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	0.0052	<0.00004	<0.00004	0.0001 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	**11.7**	**13.4**	**2.6**	**3.7**	**13**	**3.9 J**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	**<0.0038**	**<0.021**	<0.00009	0.0009 J	<0.0009	<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	**<0.0038**	**<0.021**	<0.00007	0.0007 J	<0.0007	<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	<0.0076	<0.042	<0.00012	0.001 J	<0.001	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.00066	<0.000019	<0.000019	<0.00045	0.000052 J	<0.0001	<0.000019	<0.000019	<0.000019	**0.42**	**0.582**	**0.27**	**0.56 J**	**0.39**	**0.97**
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	**<0.0038**	**<0.053**	<0.00008	0.0008 J	<0.0008	<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	<0.0048	<0.026	<0.00007	0.0007 J	<0.0007	<0.00007
Acenaphthene	*1.5*	*4.4*	0.02	0.02	0.017	0.016	0.0049	0.015	0.022	0.024	0.0034	0.0058	0.0018	0.137	0.241	0.094	0.17 J	0.071	0.52
Acenaphthylene	*1.5*	*4.4*	0.0022	0.0014	0.0015	0.00089	0.00055	0.00071	0.0012	0.0012	0.00024	0.00025	0.00012	<0.0057	<0.032	0.0041	0.0067 J	0.003	0.008
Anthracene	*7.3*	*22*	0.000067 J	0.00031	0.00064	0.00057	0.000038 J	0.00052	0.00019	0.00047	0.000036 J	0.00023	0.000098 J	0.0115	0.022	0.0099	0.013 J	0.0075	0.12
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	<0.00005	<0.0038	**<0.021**	0.0004	0.0007 J	<0.0007	**0.033**
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	**<0.0038**	**<0.021**	0.00014 J	**0.0008 J**	**<0.0008**	**0.0097**
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	**<0.0076**	**<0.042**	<0.00009	**0.0009 J**	**<0.0009**	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000072 J	<0.000037	<0.000037	<0.000037	0.000065 J	<0.000037	<0.00005	0.000051 J	0.000058 J	<0.000037	<0.000037	<0.0038	**<0.021**	<0.0002	0.002 J	<0.002	0.0022
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	<0.0038	<0.021	0.00032	0.0007 J	<0.0007	0.025
Dibenzofuran	*0.098*	*0.29*	0.0046	0.0053	0.0039	0.0045	0.00074	0.007	0.0076	0.012	0.00097	0.003	0.00069	**0.115**	**0.195**	0.079	**0.15 J**	0.065	**0.47**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000037 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00004 J	<0.00002	<0.00002	<0.00002	<0.00011	<0.0038	<0.021	<0.00007	0.0007 J	<0.0007	<0.00007
Fluoranthene	*0.98*	*2.9*	0.00074	0.00075	0.00086	0.00066	0.00032	0.00098	0.00098	0.0011	0.00035	0.00074	0.00037	0.0044	<0.021	0.0035	0.0037 J	0.0022	0.17
Fluorene	*0.98*	*2.9*	0.00064	0.00056	0.00097	0.00051	0.00017	0.0016	0.00074	0.0011	0.00014	<0.00003	<0.00003	0.0701	0.109	0.047	0.076 J	0.039	0.42
Naphthalene	*0.49*	*1.5*	<0.00039	<0.00032	0.019	0.00024	<0.00016	<0.0012	0.0012	<0.0024	0.00025	0.00032	<0.001	**23.6**	**25.5**	**9.7**	**16**	**15**	**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	<0.0076	<0.042	<0.00009	0.0009 J	<0.0009	<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	<0.0048	<0.026	<0.00009	0.0009 J	<0.0009	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**<0.0038**	**<0.021**	<0.00008	0.0008 J	<0.0008	<0.00008
Phenanthrene	*0.73*	*2.2*	0.00041	<0.000021	<0.00039	0.00008 J	0.00031	<0.00045	0.000061 J	0.000088 J	0.00007 J	<0.000021	<0.000021	0.0502	0.099	0.038	0.06 J	0.033	**0.91**
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.00026	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	**20.2**	**16.5**	5.5	**7.7**	**19**	3.6
Pyrene	*0.73*	*2.2*	0.00043	0.00041	0.00043	0.00038	0.00029	0.00052	0.00065	0.00064	0.00033	0.00048	0.00038	0.0076	<0.021	0.002	0.0021 J	0.0012 J	0.12
Metals																			
Arsenic	*0.01*	*0.01*	0.000777 J	0.000629 J	0.000889 J	0.000773 J	0.000914 J	<0.0004	0.000493 J	0.000739 J	0.000921 J	0.00045 J	0.000801 J						

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-17 07/13/2011	MW-17 02/01/2012	MW-17 07/12/2012	MW-17 02/14/2013	MW-17 02/14/2013 Duplicate	MW-17 04/01/2013	MW-17 04/01/2013 Duplicate	MW-17 07/30/2013	MW-17 01/13/2014	MW-17 07/17/2014	MW-17 01/30/2018	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.005	<0.005			**<0.007**	**<0.007**	**<0.014**	**<0.007**	<0.0028	<0.0002	<0.0002	<0.002	<0.002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.45**	**0.24**	**0.46**			**0.435**	**0.41**	**0.174**	**0.324**	**0.576**	**0.47**	**0.55**	**0.61**	**0.35**	**0.54**	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.005	<0.005			<0.006	<0.006	<0.012	<0.006	<0.0024	<0.0003	<0.0003	<0.003	<0.003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.21	0.23	0.21			0.217	0.22	0.279	0.251	0.209	0.26	0.19	0.23	0.21	0.23	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0013	**<0.0065**	**<0.01**			**<0.0075**	**<0.0075**	**0.115**	**<0.0075**	**0.0187 J**	<0.001	<0.001	**<0.01**	**<0.01**	<0.001	<0.001
Toluene	*1*	*1*	0.85	0.74	0.81			0.878	0.861	0.68	0.931	0.93	0.97	0.83	0.82	0.68	0.83	<0.0002
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	0.54	0.63	0.69			0.702	0.672	0.698	0.724	0.641	0.81	0.47	0.77	0.66	0.78	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.0005	<0.00005	**<0.038**	**<0.038**	**<0.0423**	**<0.0423**	**<0.00534**	**<0.0529**	**<0.00519**	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	**2.7**	**3**	**4**	**7.93**	**7.03**	**11.3**	**10.4**	**3.19**	**6.75**	**13.9**	**4.3**	**7.7**	**4.2**	**1.9**	**5.9**	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.0005	<0.00005	**<0.032**	**<0.032**	**<0.05**	**<0.05**	**<0.00631**	**<0.0625**	**<0.00613**	<0.00058	<0.00058	<0.00059	<0.00058	<0.00058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.0006	<0.00006	**<0.029**	**<0.029**	**<0.0308**	**<0.0308**	**<0.00388**	**<0.0385**	**<0.00377**	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.0005	<0.00005	<0.019	<0.019	<0.0308	<0.0308	<0.00388	<0.0385	<0.00377	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.75**	**0.29**	**0.51**	**0.443**	**0.421**	**1.04**	**1.24**	**1.04**	**0.857**	**0.636**	**0.3**	**0.38**	**0.34**	**0.23**	**0.39**	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.0008	<0.00008	**<0.016**	**<0.016**	**<0.319**	**<0.319**	**<0.0403**	**<0.399**	**<0.0392**	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.0005	<0.00005	<0.033	<0.033	**<0.215**	**<0.215**	<0.0272	**<0.269**	<0.0264	<0.00047	<0.00047	0.0076 J	<0.00047	<0.00047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.22	0.13	0.14	0.159	0.155	0.36	0.369	0.353	0.315	0.195	0.084	0.13	0.11	0.091	0.16	<0.000027
Acenaphthylene	*1.5*	*4.4*	0.0069	0.0056	0.005	<0.016	<0.016	<0.0231	<0.0231	0.0147 J	<0.0288	<0.00283	0.0029	<0.00015	0.0041	0.0029	0.0042	<0.000015
Anthracene	*7.3*	*22*	0.014	0.0096	0.014	<0.044	<0.044	0.0192 J	0.0822 J	0.0233 J	0.0278 J	0.0202 J	0.0065	0.011	0.0094	0.0057	0.0092	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	0.00047	<0.0005	0.00018 J	**<0.025**	**<0.025**	**<0.0308**	**<0.0308**	<0.00388	**<0.0385**	<0.00377	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.00027**	**<0.0005**	<0.00005	**<0.013**	**<0.013**	**<0.0308**	**<0.0308**	**<0.00388**	**<0.0385**	**<0.00377**	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.0005	<0.00005	**<0.019**	**<0.019**	**<0.05**	**<0.05**	**<0.00631**	**<0.0625**	**<0.00613**	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00044	<0.001	0.00027	**<0.059**	**<0.059**	**<0.142**	**<0.142**	**<0.018**	**<0.178**	**<0.0175**	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.000037
Chrysene	*0.91*	*2*	0.00047	<0.0005	0.00011 J	<0.024	<0.024	<0.0308	<0.0308	<0.00388	<0.0385	<0.00377	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021
Dibenzofuran	*0.098*	*0.29*	**0.19**	0.093	**0.13**	**0.133 J**	**0.128 J**	**0.275**	**0.234**	**0.253**	**0.211 J**	**0.148**	0.071	0.092	0.082	0.072	**0.12**	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.0005	<0.00005	<0.187	<0.187	<0.0423	<0.0423	<0.00534	<0.0529	<0.00519	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0039	0.0026	0.0034	<0.031	<0.031	<0.0269	<0.0269	0.00667 J	<0.0337	0.00429 J	0.0022	0.003	0.0022	0.0015	0.0039	0.00011
Fluorene	*0.98*	*2.9*	0.12	0.059	0.082	0.0672 J	0.0489 J	0.146 J	0.0718 J	0.165	0.16 J	0.0943	0.04	0.057	0.051	0.043	0.06	<0.00003
Naphthalene	*0.49*	*1.5*	**19**	**10**	**14**	**15.3**	**13.8**	**25.2**	**25.6**	**25.8**	**21.3**	**15.4**	**7.4**	**12**	**8.1**	**5.5**	**8.9**	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.0005	<0.00005	<0.02	<0.02	<0.0423	<0.0423	<0.00534	**<0.0529**	<0.00519	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.0005	<0.00005	<0.033	<0.033	<0.0385	<0.0385	<0.00485	<0.0481	<0.00472	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.0005	<0.00005	**<0.096**	**<0.096**	**<0.235**	**<0.235**	**<0.0296**	**<0.293**	**<0.0288**	<0.00079	<0.00079	<0.0008	<0.00079	<0.00079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.078	0.042	0.063	0.0564 J	0.0534 J	0.124 J	0.0231 J	0.123	0.0993 J	0.0725	0.034	0.044	0.044	0.028	0.045	<0.000021
Phenol	*7.3*	*22*	3.1	3.7	6.1	**20.7**	**16.2**	**22.2**	**25.1**	1.54	6.46	**18.1**	7.1	**18**	6.5	2.2	**9.9**	<0.000035
Pyrene	*0.73*	*2.2*	0.0019	0.0018 J	0.0018	<0.033	<0.033	<0.0423	<0.0423	<0.00534	<0.0529	<0.00519	0.0011	0.0015	0.0014	0.00081 J	0.0018	0.000066 J
Metals																		
Arsenic	*0.01*	*0.01*											**0.0444**	**0.0419**	**0.0415**	**0.046**	**0.046**	0.00154 J

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-17 07/14/2020	MW-17 01/20/2021	MW-17 07/20/2021	MW-17 01/26/2022	MW-17 03/24/2022	MW-17 07/12/2022	MW-17 01/18/2023	MW-17 07/11/2023	MW-17C 01/30/2008	MW-17C 01/30/2008 Duplicate	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
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	**<0.01**	<0.002	<0.0002	<0.002	<0.0002	<0.001	<0.0002	<0.00052	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005
Benzene	*0.005*	*0.005*	**0.41**	**0.3**	**0.48**	**0.42**	**0.22**	**0.5**	**0.27**	**0.61**	**0.0565**	**0.0517**	**0.0426**	**0.03**	**0.0083**	**0.024**	**0.023**	**0.01**	**0.016 J**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.015	<0.003	<0.0003	<0.003	<0.0003	<0.0015	<0.0003	<0.00047	<0.00047	<0.00047	<0.0005		<0.0005	<0.0005	<0.001	<0.005
Ethylbenzene	*0.7*	*0.7*	0.2	0.19	0.18	0.17	0.12	0.18	0.23	0.25	0.292	0.312	0.226	0.17	0.053	0.2	0.21	0.021	0.19
Methylene chloride	*0.005*	*0.005*	<0.001	**<0.05**	**<0.01**	<0.001	**<0.01**	<0.001	<0.005	<0.001	<0.00054	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	**<0.0065**
Toluene	*1*	*1*	0.65	0.61	0.75	0.79	0.37	0.75	0.65	0.91	0.0137	0.014	0.0102	0.008	0.0042 J	0.0071	0.0081	0.0046 J	0.0067 J
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.6	0.57	0.54	0.6	0.33	0.56	0.66	0.74	0.485	0.485	0.353	0.25	0.046	0.33	0.42 J	0.029	0.22
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	**<0.0021**	<0.00021	**<0.0021**	<0.0008	**<0.04**	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	**11**	0.2	**0.85**	**2.6**	**0.88**	**4.8**	**2.6**	**3.8**	<0.0029	<0.14	0.00054 J	0.0028	0.044	0.0018	0.0035 J	**1.5**	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	**<0.0058**	<0.00058	**<0.0058**	**<0.0019**	**<0.096**	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	**<0.0042**	<0.00042	**<0.0042**	**<0.0019**	**<0.096**	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.00021	<0.0021	<0.0038	<0.19	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	**0.62**	**0.21**	0.094	**0.29**	**0.25**	**0.37**	**0.33**	**0.33**	**1.09**	**0.418**	0.0954	0.085	0.063	**0.099**	0.075	0.0073	0.062
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.002	<0.0019	**<0.096**	<0.00053	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.0047	<0.00047	<0.0047	<0.0024	**<0.12**	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	0.25	0.07	0.029	0.17	0.085	0.15	0.097	0.12	0.726	0.339	0.227	0.14	0.13	0.14	0.18	0.021	0.097
Acenaphthylene	*1.5*	*4.4*	0.0039	0.0023	0.0034	0.0046	<0.00015	0.0047 J	0.0035	<0.0015	<0.0029	<0.14	0.00251	0.0012	0.0013	0.0016	0.0017	0.00028	0.0011
Anthracene	*7.3*	*22*	0.0086	0.0064	0.0093	0.0085	0.0063	0.014	0.0072	<0.0014	0.178	<0.096	0.00985	0.0084	0.0057	0.0071	0.015	0.0016	0.0048
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005	0.0009 J	<0.0005	<0.0005	<0.0005	<0.005	<0.0005	<0.005	**0.0466**	**<0.096**	<0.00021	0.00018 J	0.00013 J	0.00016 J	0.0012	0.00017 J	0.000091 J
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**<0.002**	<0.0002	**<0.002**	**0.0128**	**<0.096**	**<0.00021**	<0.00008	<0.00008	<0.00008	**0.00027**	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	**<0.003**	<0.0003	**<0.003**	**<0.0038**	**<0.19**	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.00037	<0.00037	<0.00037	0.0017 J	<0.0037	<0.00037	<0.0037	<0.0019	**<0.096**	0.00021 J	<0.0002	<0.0039	<0.0018	0.0015	**<0.012**	<0.001
Chrysene	*0.91*	*2*	<0.00021	0.00062	<0.00021	<0.00021	<0.00021	<0.0021	<0.00021	<0.0021	0.0428	<0.096	<0.00021	0.00017 J	0.00012 J	0.00017 J	0.001	<0.00005	0.00013 J
Dibenzofuran	*0.098*	*0.29*	**0.1**	0.061	0.092	0.095	0.066	**0.11**	0.069	0.086	**0.61**	**0.291**	**0.19**	**0.13**	**0.11**	**0.13**	**0.19**	0.021	0.096
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.002	<0.0019	<0.096	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	0.003	0.0056	0.0036	0.003	0.0023	0.0098 J	0.0028	0.003 J	0.322	<0.096	0.00845	0.007	0.0044	0.005	0.019	0.0018	0.002
Fluorene	*0.98*	*2.9*	0.066	0.039	0.056	0.065	0.048	0.071	0.047	0.056	0.422	0.167	0.0799	0.062	0.055	0.069	0.083	0.009	0.054
Naphthalene	*0.49*	*1.5*	**18**	0.2	**9**	**8.9**	**5.4**	**13**	**8.2**	**7.3**	**9.8**	**6.35**	**5.84**	**3.4**	**2.2**	**3.4**	**4.1**	0.37	**3.3**
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.0024	0.0098	<0.0024	<0.0038	**<0.19**	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.0025	<0.00025	<0.0025	<0.0024	<0.12	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	**<0.0079**	<0.00079	**<0.0079**	**<0.0019**	**<0.096**	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	0.048	0.036	0.047	0.045	0.035	0.068	0.039	0.04	**1.09**	0.316	0.104	0.078	0.058	0.08	0.076	0.014	0.0081
Phenol	*7.3*	*22*	**33**	0.6	0.4	4.8	1.8	**8.4**	5	7.3	<0.0019	<0.096	0.0349	0.0013	0.14	<0.00007	0.00078	0.025	0.00014 J
Pyrene	*0.73*	*2.2*	0.0017	0.0036	0.0018	0.0014	0.0011	0.0058 J	0.0014	<0.0019	0.19	<0.096	0.00445	0.0033	0.0028	0.0026	0.009	0.00098	0.0025
Metals																			
Arsenic	*0.01*	*0.01*	**0.0514**	**0.0584**	**0.0602**	**0.0633**	**0.0524**	**0.0483**	**0.0533**	**0.0433**									

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-17C 07/12/2012	MW-17C 02/14/2013	MW-17C 04/01/2013	MW-17C 07/30/2013	MW-17C 01/13/2014	MW-17C 07/17/2014	MW-17C 01/31/2018	MW-17C 03/18/2018	MW-17C 05/16/2018	MW-17C 01/10/2019	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005		<0.0014	<0.0014	<0.0007	<0.00014	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.001
Benzene	*0.005*	*0.005*	**0.013**		**0.0114**	**0.0162**	**0.00939**	**0.0132**	**0.014**	**0.0067**	**0.0099**	**0.012**	**0.0097**	<0.0002	**0.0071**	**0.018**	**0.019**	**0.011**
Chlorobenzene	*0.1*	*0.1*	<0.0005		<0.0012	<0.0012	<0.0006	<0.00012	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0015
Ethylbenzene	*0.7*	*0.7*	0.17		0.161	0.225	0.123	0.0374	0.042	0.16	0.12	0.027	0.027	<0.0003	0.11	0.045	0.014	0.14
Methylene chloride	*0.005*	*0.005*	<0.001		0.00368 J	**0.00786 J**	<0.00075	<0.00015	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.01**	<0.005
Toluene	*1*	*1*	0.0057		0.0049 J	0.00743 J	0.00471 J	0.0073	0.0097	0.0038	0.0069	0.0087	0.0073	<0.0002	0.0036	0.0031	0.018	0.0045 J
Vinyl chloride	*0.002*	*0.002*													--		<0.002	<0.001
Xylenes (total)	*10*	*10*	0.21		0.217	0.27	0.141	0.0482	0.071	0.1	0.094	0.05	0.039	<0.0003	0.056	0.048	0.029	0.083
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	**<0.038**	<0.000106	**<0.0107**	**<0.0106**	**<0.00519**	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.039	0.0418 J	<0.000298	<0.0301	<0.0298	**7.09**	**0.59**	0.03	0.08	0.47	0.21	<0.00004	0.17	**0.71**	**2.1**	0.076
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	**<0.032**	<0.000125	**<0.0126**	**<0.0125**	**<0.00613**	<0.00058	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.00058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	**<0.029**	<0.0000769	**<0.00777**	**<0.00769**	**<0.00377**	<0.00042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.00042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.019	<0.0000769	<0.00777	<0.00769	<0.00377	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.1**	**0.173**	**0.176**	**0.151**	**0.144**	0.0203 J	0.094	**0.12**	**1.1**	0.025	0.026	0.000073 J	0.048	0.0082	0.025	0.052
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	**<0.016**	<0.000798	**<0.0806**	**<0.0798**	**<0.0392**	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.033	0.00502	**<0.0544**	**<0.0538**	<0.0264	0.0035 J	<0.00047	0.0017	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.00047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.14	0.194	0.216	0.239	0.218	0.0299	0.043	0.15	1.4	0.031	0.035	0.00023	0.079	0.027	0.039	0.085
Acenaphthylene	*1.5*	*4.4*	0.0018	<0.016	<0.0000577	<0.00583	<0.00577	<0.00283	0.00076 J	0.002	0.0017	0.00047	0.00037	<0.000015	0.0011	0.00043	0.00074 J	0.00081
Anthracene	*7.3*	*22*	0.008	<0.044	0.011	0.0144 J	0.0156 J	<0.00236	0.0017	0.01	0.0088	0.0012	0.0013	<0.000014	0.0063	0.00084	0.0017	0.0041
Benzo(a)anthracene	*0.0091*	*0.02*	0.00022	**<0.025**	0.00016 J	<0.00777	<0.00769	<0.00377	<0.0005	<0.0005	0.00011	0.000062 J	<0.00005	<0.00005	<0.0005	0.00016	<0.0005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	**<0.013**	<0.0000769	**<0.00777**	**<0.00769**	**<0.00377**	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	0.00006 J	<0.0002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	**<0.019**	<0.000125	**<0.0126**	**<0.0125**	**<0.00613**	<0.0003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.0003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0048	**<0.059**	0.00148	**<0.0359**	**0.0491 J**	**<0.0175**	0.005	0.0053	0.0018	0.00062	0.00056	<0.000037	<0.00037	0.0012	0.0019 J	0.000078 J
Chrysene	*0.91*	*2*	0.00016 J	<0.024	0.000167 J	<0.00777	<0.00769	<0.00377	<0.00021	<0.00021	0.00011	0.000059 J	<0.000021	<0.000021	<0.00021	0.00014	<0.00021	<0.000021
Dibenzofuran	*0.098*	*0.29*	**0.14**	**0.16**	**0.185**	**0.199**	**0.184**	0.0255	0.039	**0.13**	**0.099**	0.027	0.027	0.000065 J	0.068	0.022	0.031	0.071
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.187	<0.000106	<0.0107	<0.0106	<0.00519	<0.0002	<0.0002	0.000058 J	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0048	<0.031	0.00784	0.00795 J	0.00707 J	<0.0033	0.00073 J	0.0056	0.0044	0.00078	0.0009	0.00034	0.0034	0.00084	0.00065 J	0.0023
Fluorene	*0.98*	*2.9*	0.066	0.0785 J	0.0989	0.103	0.0907	0.0118 J	0.019	0.066	0.06	0.012	0.014	0.000061 J	0.042	0.0093	0.017	0.044
Naphthalene	*0.49*	*1.5*	**4**	**0.988**	**5.9**	**4.4**	**6.24**	**0.772**	**1.8**	**4.8**	**53**	**1.1**	**0.97**	0.00016	**2.6**	0.37	**0.53**	**3.3**
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.02	<0.000106	<0.0107	<0.0106	<0.00519	<0.00024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.033	<0.0000962	<0.00971	<0.00962	<0.00472	<0.00025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.00025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	**<0.096**	<0.000587	**<0.0592**	**<0.0587**	**<0.0288**	<0.00079	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.00079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.076	0.106 J	0.12	0.12	0.11	0.0122 J	0.014	0.071	0.07	0.01	0.01	<0.000021	0.047	0.0048	0.012	0.045
Phenol	*7.3*	*22*	<0.0002	0.107 J	<0.0000385	<0.00388	<0.00385	**8.33**	0.0025	0.0036	0.00022	0.033	0.00073	<0.000035	0.18	0.049	0.1	<0.000035
Pyrene	*0.73*	*2.2*	0.0028	<0.033	0.00356	<0.0107	<0.0106	<0.00519	0.00031 J	0.0031	0.0025	0.00045	0.00046	0.00021	0.0017	0.00045	0.00037 J	0.0012
Metals																		
Arsenic	*0.01*	*0.01*							0.00112 J	0.00688	0.00479	0.0013 J	0.000854 J	0.00184 J	0.00531	0.000807 J	0.0012 J	0.00829

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-17C 07/12/2022	MW-17C 01/18/2023	MW-17C 07/11/2023	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	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.001	<0.0002	<0.00052	<0.00052	<0.0025	<0.005	<0.0025	<0.0025	<0.005	<0.005	<0.005	**<0.007**	0.00405 J	**<0.014**	0.00482 J
Benzene	*0.005*	*0.005*	**0.0081**	**0.0087**	**0.013**	**0.503**	**0.321**	**0.48**	**0.51**	**0.47**	**0.55**	**0.59**	**0.28**	**0.68**	**0.636**	**0.491**	**0.239**	**0.483**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0015	<0.0003	0.0167	0.0074	0.017 J	<0.005	<0.0025	<0.0025	<0.005	<0.005	<0.005	<0.006	<0.0012	<0.012	<0.0024
Ethylbenzene	*0.7*	*0.7*	0.017	0.015	0.16	0.555	0.153	0.52	0.48	0.54	0.55	0.39	0.55	0.3	0.316	0.398	0.637	0.692
Methylene chloride	*0.005*	*0.005*	<0.001	<0.005	<0.001	<0.00054	<0.00054	<0.0025	<0.005	<0.0025	<0.0025	**<0.0065**	**<0.0065**	**<0.01**	**<0.0075**	**0.00976 J**	**<0.015**	**0.0138 J**
Toluene	*1*	*1*	0.0057	0.006	0.0037	0.374	0.0718	0.23	0.32	0.45	0.35	0.23	0.21	0.21	0.154	0.239	0.0731 J	0.416
Vinyl chloride	*0.002*	*0.002*	<0.0002	<0.001	<0.0002				**0.059**		**0.07**	**0.028**	**0.047**	**<0.005**	**0.0181 J**	**0.029**	**<0.011**	**0.02 J**
Xylenes (total)	*10*	*10*	0.022	0.018	0.075	1.13	0.292	0.98	1.2	1.2	1	0.73	1.1	0.51	0.519	0.991	1.27	1.3
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.0021**	<0.000021	**<0.0021**	**<0.008**	<0.0008	<0.0001	<0.0001	<0.0005	<0.0001	<0.00005	<0.0005	0.00005 J	<0.00108	**<0.0214**	**<0.0106**	**<0.00519**
2,4-Dimethylphenol	*0.49*	*1.5*	**0.64**	0.24	<0.004	**12.5**	**2.17**	**1.9**	**4.5**	**7.9**	**9.6 J**	**11**	**5.8**	**9.4 J**	**11.8**	**6.29**	**2.95**	**8.01**
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.0058**	<0.000058	**<0.0058**	**<0.02**	**<0.002**	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.0005	0.00005 J	<0.00127	**<0.0252**	**<0.0125**	**<0.00613**
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.0042**	<0.000042	**<0.0042**	**<0.02**	**<0.002**	<0.00007	<0.00007	<0.00035	<0.00007	<0.00006	<0.0006	0.00006 J	<0.000784	**<0.0155**	**<0.00769**	**<0.00377**
2-Chloronaphthalene	*2*	*5.8*	<0.0021	<0.000021	<0.0021	<0.041	<0.004	<0.00012	<0.0001	<0.0005	<0.0001	<0.00005	<0.0005	0.00005 J	<0.000784	<0.0155	<0.00769	<0.00377
2-Methylnaphthalene	*0.098*	*0.29*	0.016	0.0068	0.069	**0.548**	**0.594**	**0.42**	**0.36**	**0.4**	**0.44**	**0.7**	**0.23**	**0.64 J**	**0.745**	**0.819**	**0.996**	**0.589**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.002	<0.00002	<0.002	**<0.02**	**<0.005**	<0.00008	<0.00008	<0.0004	<0.00008	<0.00008	<0.0008	0.00008 J	**<0.00814**	**<0.161**	**<0.0798**	**<0.0392**
4-Nitrophenol	*0.049*	*0.15*	<0.0047	<0.000047	<0.0047	<0.026	<0.0025	<0.00007	<0.00007	<0.00035	<0.00007	<0.00005	<0.0005	0.00005 J	<0.00549	**<0.109**	**<0.0538**	<0.0264
Acenaphthene	*1.5*	*4.4*	0.042	0.022	0.095	0.343	0.466	0.19	0.23	0.25	0.24	0.36	0.15	0.3 J	0.464	0.493	0.553	0.352
Acenaphthylene	*1.5*	*4.4*	<0.0015	<0.00025	<0.0015	<0.031	0.0131	0.0092	0.0062	0.0095	0.0072	0.015	0.007	0.0067 J	0.0151	<0.0117	<0.00577	0.0155 J
Anthracene	*7.3*	*22*	0.0023 J	0.00079	0.0053 J	<0.02	0.0114	0.009	0.0069	0.0075	0.0073	0.013	0.0046	0.009 J	0.0204	0.0204 J	0.0226 J	0.0192 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.005	<0.00005	<0.005	**<0.02**	<0.002	<0.00007	<0.00007	<0.00035	<0.00007	<0.00005	<0.0005	0.00005 J	<0.000784	**<0.0155**	<0.00769	<0.00377
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.002**	<0.00002	**<0.002**	**<0.02**	**<0.002**	<0.00008	<0.00008	**<0.0004**	<0.00008	<0.00005	**<0.0005**	0.00005 J	**<0.000784**	**<0.0155**	**<0.00769**	**<0.00377**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.003**	<0.00003	**<0.003**	**<0.041**	**<0.004**	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.0005	0.00005 J	**<0.00127**	**<0.0252**	**<0.0125**	**<0.00613**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0037	0.000088 J	<0.0037	**<0.02**	<0.002	0.00033	<0.0002	<0.001	<0.0002	<0.0001	<0.0011	0.0001 J	<0.00363	**<0.0718**	**<0.0356**	**<0.0175**
Chrysene	*0.91*	*2*	<0.0021	<0.000021	<0.0021	<0.02	<0.002	<0.00007	<0.00007	<0.00035	<0.00007	<0.00005	<0.0005	0.00005 J	<0.000784	<0.0155	<0.00769	<0.00377
Dibenzofuran	*0.098*	*0.29*	0.031	0.016	0.083	**0.233**	**0.29**	**0.12**	**0.15**	**0.16**	**0.15**	**0.23**	0.075	**0.21 J**	**0.188**	**0.279**	**0.326**	**0.204**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.002	<0.00002	<0.002	<0.02	<0.002	<0.00007	<0.00007	<0.00035	<0.00007	<0.00005	<0.0005	0.00005 J	<0.00108	<0.0214	<0.0106	<0.00519
Fluoranthene	*0.98*	*2.9*	0.0012 J	0.00041	0.0028 J	<0.02	0.0021	0.0026	0.0013	0.0013	0.0014	0.0018	0.0013 J	0.0016 J	<0.000686	<0.0136	<0.00673	<0.0033
Fluorene	*0.98*	*2.9*	0.017	0.0062	0.046	0.155	0.182	0.089	0.096	0.11	0.094	0.18	0.057	0.14 J	0.136	0.214	0.268	0.163
Naphthalene	*0.49*	*1.5*	0.25	0.25	**2.9**	**7.93**	**7.43**	**3.3**	**4.3**	**6.1**	**5.9**	**7.3**	**3.6**	**7.8 J**	**9.29**	**11.8**	**11.4**	**5.27**
Nitrobenzene	*0.049*	*0.15*	<0.0024	<0.000024	<0.0024	<0.041	<0.004	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.0005	0.00005 J	<0.00108	<0.0214	<0.0106	<0.00519
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0025	<0.000025	<0.0025	<0.026	<0.0025	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.0005	0.00005 J	<0.00098	<0.0194	<0.00962	<0.00472
Pentachlorophenol	*0.001*	*0.001*	**<0.0079**	<0.000079	**<0.0079**	**<0.02**	**<0.002**	<0.00008	<0.00008	<0.0004	<0.00008	<0.00005	<0.0005	0.00005 J	**<0.00598**	**<0.118**	**<0.0587**	**<0.0288**
Phenanthrene	*0.73*	*2.2*	0.016	0.0059	0.047	0.118	0.12	0.078	0.067	0.082	0.063	0.098	0.042	0.083 J	0.101	0.144	0.19	0.114
Phenol	*7.3*	*22*	<0.0035	<0.000035	<0.0035	0.364	<0.002	0.005	0.043	0.0054	0.02	0.061	0.011	0.12 J	<0.000392	<0.00777	<0.00385	<0.00189
Pyrene	*0.73*	*2.2*	<0.0019	0.00019	<0.0019	<0.02	<0.002	0.0013	0.00075	0.00063 J	0.00085	0.0011	0.00077 J	0.00081 J	<0.00108	<0.0214	<0.0106	<0.00519
Metals																		
Arsenic	*0.01*	*0.01*	0.000869 J	0.000524 J	0.00545													

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-18A 01/25/2018	MW-18A 03/19/2018	MW-18A 05/16/2018	MW-18A 01/10/2019	MW-18A 07/10/2019	MW-18A 01/08/2020	MW-18A 07/14/2020	MW-18A 01/20/2021	MW-18A 07/20/2021	MW-18A 01/26/2022	MW-18A 07/12/2022	MW-18A 01/19/2023	MW-18A 07/12/2023	MW-18C 01/30/2008	MW-18C 07/15/2008	MW-18C 02/05/2009	MW-18C 01/19/2010
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.005	<0.0002	<0.005	<0.0002	**<0.01**	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.00052	<0.00052	<0.005	<0.005
Benzene	*0.005*	*0.005*	**0.19**	**0.22**	**0.17**	**1.2**	**0.16**	**0.41**	**0.59**	**0.063**	**0.29**	**0.48**	**0.54**	**0.29**	**0.32**	**1.34**	**0.964**	**1.4**	**1.5**
Chlorobenzene	*0.1*	*0.1*	0.0062	0.006	0.0066	<0.0075	0.0017	<0.0075	0.00089 J	<0.015	<0.003	<0.0003	<0.0003	<0.0003	<0.003	<0.00047	<0.00047	<0.005	<0.005
Ethylbenzene	*0.7*	*0.7*	0.36	0.36	0.43	0.34	0.28	0.32	0.22	0.24	0.25	0.32	0.17	0.34	0.12	0.304	0.178	0.26	0.21
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	**<0.025**	<0.001	**<0.025**	<0.001	**<0.05**	**<0.01**	<0.001	<0.001	<0.001	**<0.01**	<0.00054	<0.00054	<0.005	<0.005
Toluene	*1*	*1*	0.074	0.068	0.042	0.92	0.057	0.11	0.058	<0.01	0.2	0.087	0.027	0.12	0.01	**1.2**	0.691	1	0.96
Vinyl chloride	*0.002*	*0.002*	**0.0023**	0.002	**0.0021**	**<0.005**	0.0013	**<0.005**	**0.0035**	**<0.01**	<0.002	<0.0002	**0.0024**	<0.0002	<0.002				
Xylenes (total)	*10*	*10*	0.97	0.79	0.91	1	0.47	0.5	0.29	0.3	0.38	0.54	0.14	0.45	0.093	1.1	0.624	1.1	1
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.00021	<0.001	<0.00021	<0.00021	**<0.04**	<0.0008	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	0.023	0.12	**0.5**	0.0054	**0.72**	**1.8**	**7.9**	0.0082	**0.8**	**1.8**	**3.3**	0.49	0.41	<0.15	<0.0031	0.084	0.0081
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.00058	<0.00058	<0.00058	<0.000058	<0.000058	<0.00058	<0.000058	<0.00058	<0.00058	**<0.0029**	<0.00058	<0.00058	**<0.098**	**0.00636**	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.00042	<0.00042	<0.00042	<0.000042	<0.000042	<0.00042	<0.000042	<0.00042	<0.00042	**<0.0021**	<0.00042	<0.00042	**<0.098**	**<0.002**	<0.00007	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.00021	<0.001	<0.00021	<0.00021	<0.2	<0.0041	<0.00012	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	**0.33**	**0.34**	**0.22**	**0.1**	**0.47**	**0.36**	**0.54**	**0.45**	**0.28**	**0.44**	**0.4**	**0.49**	**0.14**	**0.894**	**0.674**	**0.95**	**0.46**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	**<0.098**	**<0.0051**	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.00047	<0.00047	<0.00047	<0.000047	0.0042	<0.00047	<0.000047	<0.00047	<0.00047	0.026 J	<0.00047	<0.00047	**<0.12**	<0.0026	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	0.25	0.23	0.24	0.048	0.3	0.33	0.32	0.29	0.15	0.26	0.25	0.28	0.087	0.293	0.251	0.18	0.17
Acenaphthylene	*1.5*	*4.4*	0.0074	0.0092	0.009	0.0016	0.0056	0.0081	0.0056	0.0063	0.0043	0.0082	0.008	0.0065	<0.00015	<0.15	0.00649	0.0036	0.0023
Anthracene	*7.3*	*22*	0.0061	0.0079	0.0077	0.0064	0.0063	0.0082	0.0059	0.0067	0.0058	0.0099	0.0091	0.0058	0.0034	<0.098	0.0321	0.017	0.014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005	<0.0005	<0.0005	<0.0005	<0.00005	<0.00005	<0.0005	<0.00005	<0.0005	<0.0005	<0.0025	<0.0005	<0.0005	**<0.098**	0.0025	0.00039	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.0002	**<0.001**	<0.0002	<0.0002	**<0.098**	**<0.002**	0.00013 J	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.0003	<0.0003	<0.0003	<0.00003	<0.00003	<0.0003	<0.00003	<0.0003	<0.0003	**<0.0015**	<0.0003	**0.013**	**<0.2**	**<0.0041**	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.00037	<0.00037	<0.00037	<0.000037	<0.00043	<0.00037	<0.00017	<0.00037	<0.00037	<0.0018	<0.00037	<0.00037	**<0.098**	<0.002	0.00023	<0.0002
Chrysene	*0.91*	*2*	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.00021	<0.001	<0.00021	<0.00021	<0.098	0.0021	0.00033	<0.00007
Dibenzofuran	*0.098*	*0.29*	**0.16**	**0.15**	**0.14**	0.047	**0.19**	**0.2**	0.097	**0.19**	0.092	**0.16**	**0.16**	**0.16**	0.057	**0.263**	**0.23**	**0.16**	0.091
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.098	<0.002	<0.00007	<0.00007
Fluoranthene	*0.98*	*2.9*	0.0021	0.0023	0.0017	0.002	0.0022	0.0023	0.0014	0.0033	0.0016	0.0026	0.0026 J	0.0017	0.001	<0.098	0.0169	0.0047	0.0035
Fluorene	*0.98*	*2.9*	0.087	0.12	0.098	0.021	0.091	0.16	0.075	0.15	0.073	0.13	0.12	0.091	0.046	0.137	0.153	0.081	0.052
Naphthalene	*0.49*	*1.5*	**4.4**	**4.9**	**6.1**	**3.2**	**5.6**	**4.6**	**7.8**	0.2	0.2	**4.2**	**4.2**	**3.3**	**0.82**	**16.6**	**16.7**	**21**	**12**
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.00024	<0.00024	<0.00024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024	<0.00024	<0.0012	<0.00024	<0.00024	**<0.2**	<0.0041	<0.00009	<0.00009
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.00025	<0.00025	<0.00025	<0.000025	<0.000025	<0.00025	<0.000025	<0.00025	<0.00025	<0.0012	<0.00025	<0.00025	<0.12	<0.0026	<0.00009	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.00079	<0.00079	**0.014**	<0.000079	<0.000079	<0.00079	<0.000079	<0.00079	<0.00079	**<0.004**	<0.00079	<0.00079	**<0.098**	**0.134**	**0.026**	**0.041**
Phenanthrene	*0.73*	*2.2*	0.066	0.08	0.082	0.024	0.075	0.1	0.056	0.12	0.056	0.089	0.087	0.072	0.034	0.213	0.177	0.076	0.052
Phenol	*7.3*	*22*	0.0019 J	<0.00035	<0.00035	0.0032	0.00048	0.0014	0.0018 J	<0.000035	0.021	<0.00035	<0.0018	<0.00035	<0.00035	<0.098	0.0944	0.031	0.059
Pyrene	*0.73*	*2.2*	0.0011	0.0012	0.0008 J	0.0012	0.0011	0.0013	0.00085 J	0.0014	0.00072 J	0.0011	0.0011 J	0.00071 J	<0.00019	<0.098	0.01	0.0025	0.002
Metals																			
Arsenic	*0.01*	*0.01*	0.0043	**0.0239**	**0.0291**	0.0031	**0.0248**	**0.0236**	**0.0428**	**0.016**	**0.0202**	**0.0218**	**0.0252**	**0.0177**	**0.0157**				

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0025	<0.0025	**<0.01**	<0.005	<0.005	**<0.007**	**<0.014**	**<0.007**	<0.0028	<0.0002	<0.0002	<0.002	<0.002	<0.0002	<0.002	<0.001
Benzene	*0.005*	*0.005*	**1**	**1.3**	**1.2**	**1.3**	**1.2**	**1.51**	**1.23**	**1.51**	**1.45**	**1.4**	**1.3**	**1.4**	**0.3**	**1.2**	**1.1**	**0.96**
Chlorobenzene	*0.1*	*0.1*	<0.0025	<0.0025	<0.01	<0.005	<0.005	<0.006	<0.012	<0.006	<0.0024	<0.0003	0.00052 J	<0.003	<0.003	0.00052 J	<0.003	<0.0015
Ethylbenzene	*0.7*	*0.7*	0.13	0.18	0.16	0.19	0.15	0.203	0.22	0.245	0.309	0.35	0.29	0.32	0.41	0.32	0.31	0.26
Methylene chloride	*0.005*	*0.005*	<0.0025	<0.0025	**<0.013**	**<0.0065**	**<0.01**	**<0.0075**	**0.0688 J**	**<0.0075**	**0.0161 J**	<0.001	<0.001	**<0.01**	**<0.01**	<0.001	**<0.01**	<0.005
Toluene	*1*	*1*	0.72 J	0.83	0.8	0.83	0.72	0.962	0.899	**1.07**	0.986	**1.1**	0.96	0.9	0.03	1	0.97	0.71
Vinyl chloride	*0.002*	*0.002*		**<0.0025**	**<0.01**	**<0.005**	**<0.005**	**<0.0055**	**<0.011**	**<0.0055**	**<0.0022**	0.0018	**0.0026**	<0.002	<0.002	<0.0002	<0.002	<0.001
Xylenes (total)	*10*	*10*	1	1	0.9	0.82	0.84	1.01	0.881	1.02	1.36	1	0.93	1.1	0.69	1	0.92	0.82
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0005	<0.0001	<0.00005	<0.0005	<0.00005	**<0.0545**	**<0.00534**	**<0.0106**	**<0.00519**	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	0.0078 J	0.012 J	0.0031	0.01	<0.0021	<0.153	<0.015	<0.0298	0.0325	<0.0004	<0.0004	0.082	0.29	0.0051	0.023	0.067
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00045	<0.00009	<0.00005	<0.0005	<0.00005	**<0.0644**	**<0.00631**	**<0.0125**	**<0.00613**	<0.00058	<0.00058	<0.00058	<0.00059	<0.000058	<0.000058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00035	<0.00007	<0.00006	<0.0006	<0.00006	**<0.0396**	**<0.00388**	**<0.00769**	**<0.00377**	<0.00042	<0.00042	<0.00042	<0.00042	<0.000042	<0.000042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.0005	<0.0001	<0.00005	<0.0005	<0.00005	<0.0396	<0.00388	<0.00769	<0.00377	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	**0.2**	**0.31**	**0.34**	**0.16**	**0.46**	**0.977**	**0.871**	**1.06**	**0.778**	**0.41**	**0.44**	**0.3**	**0.33**	**0.28**	**0.31**	**0.32**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0004	<0.00008	<0.00008	<0.0008	<0.00008	**<0.411**	**<0.0403**	**<0.0798**	**<0.0392**	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.00035	<0.00007	<0.00005	<0.0005	<0.00005	**<0.277**	<0.0272	**<0.0538**	<0.0264	<0.00047	<0.00047	<0.00047	<0.00047	<0.000047	<0.000047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.082	0.14	0.12	0.062	0.13	0.32	0.265	0.317	0.246	0.15	0.16	0.15	0.21	0.058	0.093	0.053
Acenaphthylene	*1.5*	*4.4*	0.0015	0.0019	0.0023	0.0018 J	0.0019	<0.0297	<0.00291	<0.00577	<0.00283	0.0025	0.0035	0.003	0.0075	0.005	0.0026	0.0018
Anthracene	*7.3*	*22*	0.0076 J	0.015	0.013	0.012	0.008	0.0401 J	0.0284	0.0414 J	0.028	0.017	0.02	0.019	0.007	0.0056	0.02	0.0071
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00035	<0.00007	<0.00005	<0.0005	0.00014 J	**<0.0396**	<0.00388	<0.00769	<0.00377	0.0013	<0.0005	<0.0005	<0.00051	<0.00005	0.0025	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.0004**	**0.00035**	0.00015 J	**<0.0005**	<0.00005	**<0.0396**	**<0.00388**	**<0.00769**	**<0.00377**	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	**0.00053**	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00045	<0.00009	<0.00005	<0.0005	<0.00005	**<0.0644**	**<0.00631**	**<0.0125**	**<0.00613**	<0.0003	<0.0003	<0.0003	<0.0003	<0.00003	<0.00003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.001	<0.0002	<0.0001	<0.001	<0.0001	**<0.183**	**<0.018**	**<0.0356**	**<0.0175**	<0.00037	<0.00037	<0.00037	<0.00037	<0.000037	<0.000037	<0.00037
Chrysene	*0.91*	*2*	<0.00035	<0.00007	<0.00005	<0.0005	0.0001 J	<0.0396	<0.00388	<0.00769	<0.00377	0.0008 J	<0.00021	0.00038 J	<0.00021	<0.000021	0.0027	<0.00021
Dibenzofuran	*0.098*	*0.29*	0.077	**0.13**	**0.11**	0.06	**0.14**	**0.288**	**0.225**	**0.276**	**0.207**	**0.14**	**0.15**	**0.13**	**0.13**	0.054	0.085	0.049
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00035	<0.00007	<0.00005	<0.0005	<0.00005	<0.0545	<0.00534	<0.0106	<0.00519	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.0002
Fluoranthene	*0.98*	*2.9*	0.0023	0.0059	0.0042	0.0018 J	0.0023	<0.0347	0.00865 J	0.0191 J	0.00957 J	0.0096	0.0071	0.0058	0.0023	0.0019	0.013	0.0033
Fluorene	*0.98*	*2.9*	0.034	0.051	0.052	0.028	0.055	0.132 J	0.114	<0.00673	0.116	0.056	0.073	0.062	0.095	0.024	0.043	0.027
Naphthalene	*0.49*	*1.5*	**6.2**	**13**	**12**	**9.7**	**13**	**20.2 J**	**20.9**	**20.3**	**14.7**	**14**	**12**	**21**	**4.4**	**9.9**	**14**	**10**
Nitrobenzene	*0.049*	*0.15*	<0.00045	<0.00009	<0.00005	<0.0005	<0.00005	**<0.0545**	<0.00534	<0.0106	<0.00519	<0.00024	<0.00024	<0.00024	<0.00024	<0.000024	<0.000024	<0.00024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00045	<0.00009	<0.00005	<0.0005	<0.00005	<0.0495	<0.00485	<0.00962	<0.00472	<0.00025	<0.00025	<0.00025	<0.00025	<0.000025	<0.000025	<0.00025
Pentachlorophenol	*0.001*	*0.001*	**0.02**	**0.064**	**0.076 J**	**0.085**	**0.075**	**<0.302**	**<0.0296**	**0.188**	**0.164**	**0.024**	**0.041**	**0.037**	<0.0008	**0.034**	**0.023**	**0.015**
Phenanthrene	*0.73*	*2.2*	0.032	0.055	0.052	0.027	0.055	0.155 J	0.127	0.177	0.122	0.072	0.086	0.078	0.084	0.026	0.065	0.027
Phenol	*7.3*	*22*	0.026	0.043	0.048	0.027	0.075	0.0601 J	0.0205 J	0.0184 J	0.0285	0.0042	0.0067	<0.00035	<0.00035	0.005	0.0062	0.0031
Pyrene	*0.73*	*2.2*	0.0012	0.0028	0.0017	0.001 J	0.0011	<0.0545	<0.00534	<0.0106	0.00571 J	0.0055	0.0049	0.0036	0.0012	0.0014	0.0066	0.0025
Metals																		
Arsenic	*0.01*	*0.01*										0.00467	0.00327	0.00342	**0.0257**	0.00358	0.00283	0.0024

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-18C 01/20/2021	MW-18C 07/15/2021	MW-18C 01/13/2022	MW-18C 07/12/2022	MW-18C 01/19/2023	MW-18C 07/12/2023	MW-19C 01/31/2008	MW-19C 07/15/2008	MW-19C 02/04/2009	MW-19C 01/18/2010	MW-19C 06/23/2010	MW-19C 01/18/2011	MW-19C 01/18/2011 Duplicate	MW-19C 07/14/2011	MW-19C 02/08/2012	MW-19C 07/12/2012
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.005	<0.002	<0.001	<0.0002	<0.001	<0.005	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Benzene	*0.005*	*0.005*	**0.3**	**0.98**	**0.89**	**0.98**	**1.2**	**1.2**	0.00398 J	<0.00025	<0.0005	**0.0056**	<0.0005	<0.0005	<0.0005	<0.001	0.005	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0075	<0.003	<0.0015	<0.0003	<0.0015	<0.0075	<0.00047	<0.00047	<0.0005		<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Ethylbenzene	*0.7*	*0.7*	0.28	0.26	0.3	0.25	0.33	0.33	<0.00025	<0.00025	<0.0005	0.0018 J	<0.0005	<0.0005	<0.0005	<0.0011	0.0031 J	<0.0005
Methylene chloride	*0.005*	*0.005*	**<0.025**	**<0.01**	<0.005	<0.001	<0.005	**<0.025**	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001
Toluene	*1*	*1*	0.87	0.7	0.89	0.7	0.95	0.9	0.00596	<0.00041	<0.0005	0.0076	<0.0005	<0.0005	<0.0005	<0.001	0.0085	<0.0005
Vinyl chloride	*0.002*	*0.002*														<0.001	<0.001	<0.0005
Xylenes (total)	*10*	*10*	0.84	0.76	0.89	0.76	0.99	1	<0.00127	<0.00127	<0.001	0.0043 J	<0.001	<0.001	<0.001	<0.0031	0.0063 J	<0.0015
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.00021	<0.00021	<0.001	**<0.0042**	**<0.0021**	<0.00008	0.00023 J	<0.0001	<0.0001	0.00024	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.0004	0.0097	0.0061	0.0092 J	<0.008	<0.004	<0.00029	<0.00028	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	0.00016 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.00058	<0.00058	**<0.0029**	**<0.012**	**<0.0058**	<0.00019	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.00042	<0.00042	**0.03**	**<0.0084**	**<0.0042**	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.00021	<0.00021	0.0025 J	<0.0042	<0.0021	<0.00038	<0.00038	<0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	**0.15**	**0.22**	**0.16**	**0.32**	**0.37**	**0.16**	0.00132	<0.00038	0.00025	0.0017	0.000079 J	0.00015 J	0.00022	0.0012	<0.00005	<0.000053
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.0002	<0.0002	<0.001	**<0.004**	<0.002	<0.00019	<0.00047	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.00047	<0.00047	<0.0024	<0.0094	<0.0047	<0.00024	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	0.045	0.044	0.058	0.12	0.13	0.045	0.000562	<0.00028	0.00022	0.001	0.00012 J	0.00015 J	0.0003	0.00067	0.0012	0.00017 J
Acenaphthylene	*1.5*	*4.4*	0.0017	0.0011	0.0016	0.0046 J	<0.003	<0.0015	<0.00029	<0.00028	<0.00006	0.00014 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Anthracene	*7.3*	*22*	0.0066	0.0089	0.0086	<0.0007	0.023	<0.0014	<0.00019	<0.00019	<0.00007	0.0001 J	<0.00007	<0.00007	<0.00007	0.00015 J	<0.00005	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	0.00055 J	0.0008 J	<0.0005	<0.0025	**<0.01**	<0.005	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	**0.00059 J**	<0.0002	**<0.001**	**<0.004**	**<0.002**	<0.00019	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.0003	<0.0003	**<0.0015**	**<0.006**	**<0.003**	<0.00038	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.00037	<0.00037	<0.0018	**<0.0074**	<0.0037	<0.00019	0.00027 J	<0.0002	<0.0028	<0.00036	0.00026	0.00025	<0.00039	<0.00022	0.00014 J
Chrysene	*0.91*	*2*	0.00033	0.00072	<0.00021	<0.001	<0.0042	<0.0021	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	0.000072 J	0.000084 J	<0.00005	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	0.042	0.043	0.062	**0.11**	**0.13**	0.042	0.00042 J	<0.00028	0.00017 J	0.00051	<0.00008	0.00013 J	0.0002 J	<0.0006	0.00014 J	<0.00011
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.0002	<0.0002	<0.001	<0.004	<0.002	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00015 J
Fluoranthene	*0.98*	*2.9*	0.0035	0.0053	0.0036	0.0081	0.01 J	<0.001	<0.00019	0.00182	0.00015 J	0.00024	0.0021	0.0026 J	0.00062 J	0.0016	<0.00005	0.0018
Fluorene	*0.98*	*2.9*	0.02	0.02	0.03	0.058	0.073	0.018	0.00044 J	<0.00019	<0.00007	0.00032	0.00028	0.00032	0.00022	<0.00066	<0.00005	0.00033
Naphthalene	*0.49*	*1.5*	**0.8**	0.2	**5.6**	**10**	**12**	**5.5**	0.0613	0.000826	0.0077	0.09	<0.0015	0.0061 J	0.0084 J	0.014	0.00077	<0.00048
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.00024	<0.00024	<0.0012	<0.0048	<0.0024	<0.00038	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.00025	<0.00025	<0.0012	<0.005	<0.0025	<0.00024	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	**0.0064**	**0.019**	**0.012**	**0.011**	**<0.016**	**<0.0079**	<0.00019	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	0.00028 J	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	0.023	0.028	0.034	0.073	0.095	0.018	<0.00019	<0.00019	<0.00007	0.00016 J	<0.00007	<0.00007	0.00014 J	<0.00053	<0.00005	<0.00005
Phenol	*7.3*	*22*	0.00094 J	0.0031	0.0021	<0.0018	<0.007	<0.0035	<0.00019	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00024
Pyrene	*0.73*	*2.2*	0.0022	0.004	0.0021	0.0043 J	0.005 J	<0.0019	0.00036 J	0.00117	<0.00007	0.0002	0.0012	0.0016 J	0.0004 J	0.0014	<0.00005	0.0014
Metals																		
Arsenic	*0.01*	*0.01*	0.00226	<0.004	0.00113 J	0.00156 J	0.00196 J	0.00223										

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-19C 07/10/2019	MW-19C 01/09/2020	MW-19C 07/14/2020	MW-19C 01/14/2021	MW-19C 07/20/2021	MW-19C 01/13/2022	MW-19C 07/12/2022	MW-19C 01/18/2023	MW-19C 07/12/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.000558 J	0.00427	0.00028 J	0.0000801 J	0.0013	0.0027	0.0041 J	0.0044	0.0004 J	0.00032 J	0.00058 J	0.0022	0.00045 J	<0.001	0.0017	<0.0002	0.0012
Chlorobenzene	*0.1*	*0.1*	<0.00012	<0.00012	<0.00012	<0.00012	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.000793 J	0.0114	0.000966 J	0.000783 J	0.00091 J	0.0025	<0.003	0.004	0.00096 J	0.00064 J	0.0011	0.0013	0.0016	<0.0015	0.0019	<0.0003	0.0012
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.00015	<0.00015	<0.00015	<0.001	<0.001	**<0.01**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.00171	0.0155	0.00136	0.000578 J	<0.0002	0.0018	0.0042 J	0.0057	0.00086 J	<0.0002	0.00058 J	0.0017	0.00064 J	<0.001	0.0017	<0.0002	0.0014
Vinyl chloride	*0.002*	*0.002*	<0.00011	<0.00011	<0.00011	<0.00011	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002						
Xylenes (total)	*10*	*10*	0.00151 J	0.0197	0.00207 J	0.00179 J	0.00095 J	0.0044	<0.003	0.0037	0.0022	0.0012	0.002	0.0023	0.0027	<0.0015	0.0035	<0.0003	0.00091 J
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00011	<0.000107	<0.000212	<0.000104	<0.000021	0.000099 J	0.000061 J	<0.000021	0.000082 J	0.000078 J	<0.000021	<0.000021	<0.000021	<0.000021	0.00005 J	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.00125	<0.000301	<0.000596	<0.000292	0.0028	<0.00038	<0.00004	<0.00032	<0.00056	<0.00004	<0.00004	<0.00004	<0.00004	0.00018 J	<0.00004	0.00022	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00013	<0.000126	<0.00025	<0.000123	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00008	<0.0000777	<0.000154	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	0.00076	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00008	<0.0000777	<0.000154	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.00084	0.000114 J	0.00142	0.000845	0.000093 J	0.00037	<0.000019	<0.000019	<0.000071	<0.000019	<0.000019	<0.000019	0.00058	<0.000049	<0.000019	0.000091 J	<0.000047
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00083	<0.000806	<0.0016	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00056	<0.000544	<0.00108	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000608	0.00279	<0.000154	0.0007	0.0012	0.001	0.00035	0.00078	0.001	0.00099	0.00084	0.00023	0.0022	0.0013	0.00096	0.0022	0.0013
Acenaphthylene	*1.5*	*4.4*	<0.00006	<0.0000583	<0.000115	<0.0000566	0.000069 J	<0.000015	<0.000015	<0.000015	0.00003 J	0.00005 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.000115 J	0.000269 J	<0.0000962	<0.0000472	0.000057 J	0.000065 J	<0.000014	0.000057 J	<0.000066	<0.00017	0.00007 J	0.000014	0.000063 J	0.000095 J	0.000059 J	0.000079 J	0.000051 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00008	0.000111 J	<0.000154	<0.0000755	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00026	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.0000777	<0.000154	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00013	<0.000126	<0.00025	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	0.0012 J	<0.000712	0.000646	0.00019 J	0.0001 J	0.00016 J	0.000096 J	<0.000037	<0.000071	0.00006 J	0.00046	0.000055 J	0.000046 J	0.00031	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.00008	<0.0000777	<0.000154	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00024	0.000038 J	<0.000021	<0.000021	<0.000021	0.000027 J	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.000367 J	0.000631	0.00116	0.000554	0.00045	0.00081	0.000035 J	<0.00002	<0.00057	0.00069	0.00057	0.00019	0.00095	0.00082	0.00042	0.00095	<0.00049
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00011	0.000164 J	<0.000212	<0.000104	<0.00002	<0.00002	0.000031 J	<0.00002	<0.00002	0.000021 J	<0.00002	<0.000043	0.000037 J	<0.00002	0.000026 J	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00257	0.000309 J	0.00223	0.00169	0.000081 J	0.00064	0.00023	<0.00001	0.00056	0.0011	0.00052	0.000065 J	0.00022	0.00029	0.00032	0.000077 J	0.000078 J
Fluorene	*0.98*	*2.9*	0.000605	<0.000068	0.000296 J	0.000485	0.000099 J	0.00037	0.00009 J	<0.00003	<0.00031	0.00047	0.00029	0.00012	0.001	0.00058	0.00032	0.00055	0.0004
Naphthalene	*0.49*	*1.5*	0.0264 J	<0.00196	0.0383	0.0198	0.0022	0.013	<0.00061	<0.00036	<0.0012	<0.00011	<0.00002	<0.00002	0.02	<0.00053	0.00015	0.00023	<0.00023
Nitrobenzene	*0.049*	*0.15*	<0.00011	<0.000107	<0.000212	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0001	<0.0000971	<0.000192	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00061	<0.000592	**<0.00117**	<0.000575	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.000166 J	0.000201 J	<0.000265	<0.0000566	<0.000021	0.000051 J	<0.000021	<0.000021	<0.00014	<0.00045	0.00015	<0.000021	0.0002	0.00018	0.00013	0.0001	<0.00012
Phenol	*7.3*	*22*	0.00023 J	0.024	0.000724 J	0.00033 J	0.00071	0.00072	<0.000035	<0.00013	<0.00015	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00207	0.000233 J	0.00191	0.00178	0.000053 J	0.00076	0.00037	<0.000019	0.00064	0.0014	0.00072	0.000071 J	0.00029	0.00046	0.00044	0.000053 J	0.000066 J
Metals																			
Arsenic	*0.01*	*0.01*					0.00158 J	0.00107 J	0.00294	0.00149 J	0.00166 J	0.0014 J	0.00108 J	0.00123 J	0.00134 J	0.00134 J	0.00142 J	0.00108 J	0.00101 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-20A 01/08/2019	MW-20A 07/10/2019	MW-20A 01/14/2020	MW-20A 07/14/2020	MW-20A 01/19/2021	MW-20A 07/07/2021	MW-20A 01/11/2022	MW-20A 07/11/2022	MW-20A 01/05/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052	<0.005	<0.005	<0.0005	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.001	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.0609**	**0.098**	**0.057**	**0.089**	**0.0746**	**0.053**	**0.05**	**0.062**	**0.024**	**0.013**	**0.02**	**0.024**	**0.018**	**0.013**	**0.0077**	**0.0082**	**0.0082**
Chlorobenzene	*0.1*	*0.1*	<0.00047	<0.005	<0.005	<0.0005	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0015	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.0965	0.077	0.046	0.1	0.0619	0.05	0.027	0.045	0.024	0.0079	0.025	0.07	0.045	0.032	0.013	0.031	0.013
Methylene chloride	*0.005*	*0.005*	<0.00054	**<0.0065**	**<0.0065**	<0.001	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.01**	<0.005	<0.001	<0.001
Toluene	*1*	*1*	0.00716	<0.005	<0.005	0.022	0.0028	0.0038	<0.0002	0.0055	0.00077 J	0.0011	<0.0002	0.011	0.0031	0.008	<0.001	0.0013	0.0012
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.113	0.057 J	0.028 J	0.088	0.0549	0.05	0.033	0.048	0.022	0.022	0.024	0.091	0.048	0.043	0.02	0.025	0.02
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.02**	<0.00005	<0.0005	<0.00005	**<0.00519**	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	0.134	0.3	0.076	0.1	0.119	0.049	0.072	0.06	0.0076	0.0035	0.0018	0.01	0.0038	0.0074	<0.00004	0.0015	<0.0004
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.039**	<0.00005	<0.0005	<0.00005	**<0.00613**	<0.00058	<0.00059	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.039**	<0.00006	<0.0006	<0.00006	**<0.00377**	<0.00042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.078	<0.00005	<0.0005	<0.00005	<0.00377	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.204**	**0.42**	0.064	**0.36**	**0.191**	**0.15**	**0.15**	**0.17**	0.069	0.072	0.075	**0.23**	0.08	**0.19**	0.094	**0.25**	**0.21**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.039**	<0.00008	<0.0008	<0.00008	**<0.0392**	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	**0.177**	<0.00005	<0.0005	<0.00005	<0.0264	<0.00047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.113	0.2	0.15	0.19	0.12	0.14	0.18	0.15	0.1	0.14	0.11	0.14	0.071	0.16	0.086	0.18	0.19
Acenaphthylene	*1.5*	*4.4*	<0.059	0.0017	0.0015 J	0.0015	<0.00283	0.0014	<0.00015	0.0013	0.00057	0.00078	0.00092	0.0013	0.00067	<0.000015	0.00092	0.00096	<0.00015
Anthracene	*7.3*	*22*	<0.039	0.0058	0.0044	0.0042	0.00589 J	0.021	0.022	0.0081	0.0058	0.0062	0.0075	0.0054	0.0045	0.006	0.0041	0.0044	0.0068
Benzo(a)anthracene	*0.0091*	*0.02*	**<0.039**	<0.00005	<0.0005	<0.00005	<0.00377	<0.0005	<0.00051	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	0.000052 J	<0.00005	<0.00005	<0.00005	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.039**	<0.00005	**<0.0005**	<0.00005	**<0.00377**	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.078**	<0.00005	<0.0005	<0.00005	**<0.00613**	<0.0003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**<0.039**	<0.00033	<0.001	<0.0001	**<0.0175**	<0.00037	<0.00037	<0.000037	<0.000037	<0.000037	<0.000037	<0.00037	<0.000037	0.00018 J	0.00015 J	0.000075 J	<0.00037
Chrysene	*0.91*	*2*	<0.039	<0.00005	<0.0005	<0.00005	<0.00377	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	0.000057	<0.000021	<0.000021	<0.000021	<0.00021
Dibenzofuran	*0.098*	*0.29*	0.071	**0.14**	0.073	**0.15**	0.0799	0.097	**0.13**	0.081	0.067	0.077	0.079	0.086	0.049	0.097	0.055	**0.11**	0.074
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.039	<0.00005	<0.0005	<0.00005	<0.00519	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
Fluoranthene	*0.98*	*2.9*	<0.039	0.0007	0.00082 J	0.00061	<0.0033	0.00078 J	0.00095 J	0.00074	0.00041	0.00058	0.00067	0.0016	0.00066	0.0011	0.00077	0.00085	0.00077 J
Fluorene	*0.98*	*2.9*	0.045	0.11	0.06	0.11	0.0661	0.16	0.16	0.076	0.062	0.068	0.08	0.078	0.048	0.085	0.047	0.088	0.067
Naphthalene	*0.49*	*1.5*	**4.75**	**7.7**	**0.96**	**6.1**	**43.9**	**2.7**	**2.9**	**2.8**	**1.4**	**1.9**	**2**	**5.8**	**0.5**	**0.9**	**1.8**	**2.9**	**1.9**
Nitrobenzene	*0.049*	*0.15*	**<0.078**	<0.00005	<0.0005	<0.00005	<0.00519	<0.00024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.049	<0.00005	<0.0005	<0.00005	<0.00472	<0.00025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025
Pentachlorophenol	*0.001*	*0.001*	**<0.039**	<0.00005	<0.0005	<0.00005	**<0.0288**	<0.00079	<0.0008	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079
Phenanthrene	*0.73*	*2.2*	<0.039	0.039	0.03	0.043	0.0217 J	0.032	0.037	0.034	0.025	0.026	0.028	0.046	0.019	0.043	0.022	0.044	0.029
Phenol	*7.3*	*22*	<0.039	<0.00005	<0.0005	<0.00005	<0.00189	<0.00035	<0.00035	<0.000035	<0.000035	0.00096	<0.000035	<0.00035	0.00013 J	<0.000035	<0.000035	<0.000035	<0.00035
Pyrene	*0.73*	*2.2*	<0.039	0.0004	0.00056 J	0.0003	<0.00519	<0.00019	0.0005 J	0.00048	0.00025	0.00026	0.0003	0.00095 J	0.00036	0.00053	0.00028	0.0005	0.00037 J
Metals																			
Arsenic	*0.01*	*0.01*						0.0087	0.00568	0.00895	0.00788	0.00574	0.00808	0.0053	0.00553	0.00581	0.00595	0.00574	0.00557

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-20A 07/11/2023	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	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.00052	<0.00052	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	*0.005*	*0.005*	**0.0075**	<0.00025	<0.00025	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.00047	<0.00047	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	*0.7*	*0.7*	0.029	<0.00025	<0.00025	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0011	<0.0011
Methylene chloride	*0.005*	*0.005*	<0.001	<0.00054	<0.00054	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.0013	<0.0013
Toluene	*1*	*1*	0.0012	<0.00041	<0.00041	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	0.028	<0.00127	<0.00127	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0031	<0.0031
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.00008	<0.00008	<0.00008	<0.00008	<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	<0.00029	<0.00029	<0.0003	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.00019	<0.00019	<0.0002	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.00019	<0.00019	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.00038	<0.00038	<0.0004	<0.00039	<0.00012	<0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	**0.11**	<0.00038	<0.00038	<0.0004	<0.00039	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.000067 J	<0.00005
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00019	<0.00019	<0.0005	<0.00049	<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	<0.00024	<0.00024	<0.00025	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	0.091	<0.00029	<0.00029	<0.0003	0.00269	<0.00009	<0.00009	0.00041	0.00035	<0.00009	<0.00009	0.00034	<0.00005	<0.00005	<0.00005	<0.00005
Acenaphthylene	*1.5*	*4.4*	0.00062	<0.00029	<0.00029	<0.0003	<0.00029	<0.00006	<0.00006	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005
Anthracene	*7.3*	*22*	0.0034	0.000563	0.000562	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00019	<0.00019	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00019	<0.00019	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	0.00013 J	<0.00005	<0.00005	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00038	<0.00038	<0.0004	<0.00039	<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*	0.00011 J	**0.00888**	0.00052 J	<0.0002	<0.00019	<0.0002	0.00038	<0.00072	<0.00054	<0.00023	<0.00041	0.00062	0.00062 J	0.00036 J	<0.0001	<0.00022
Chrysene	*0.91*	*2*	<0.000021	<0.00019	<0.00019	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	0.057	<0.00029	<0.00029	<0.0003	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00019	<0.00019	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	0.00066	0.00047 J	0.00046 J	<0.0002	0.00019 J	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005
Fluorene	*0.98*	*2.9*	0.052	<0.00019	<0.00019	<0.0002	0.00098	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.49*	*1.5*	**1.1**	<0.00038	<0.00038	<0.0004	<0.00039	0.00039	0.00033	<0.0001	<0.0001	<0.0001	<0.00021	<0.0001	<0.00005	<0.00005	0.00093 J	0.00015 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.00038	<0.00038	<0.0004	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.00024	<0.00024	<0.00025	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.00019	<0.00019	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	0.024	0.00039 J	0.00039 J	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	0.0001 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005
Phenol	*7.3*	*22*	<0.000035	<0.00019	<0.00019	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005
Pyrene	*0.73*	*2.2*	0.00033	0.00039 J	0.00039 J	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005
Metals																		
Arsenic	*0.01*	*0.01*	0.00624															

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.0005	<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
Benzene	*0.005*	*0.005*	<0.0005	<0.0005	<0.00008	<0.00008	<0.00008	<0.00008	<0.0002	<0.0002	<0.00008	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.0005	<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
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.0005	<0.000144	<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
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<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
Toluene	*1*	*1*	<0.0005	<0.0005	<0.00015	<0.00015	<0.00015	<0.00015	<0.00017	<0.00017	<0.00015	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*			<0.00011	<0.00011					<0.00011	<0.00011						
Xylenes (total)	*10*	*10*	<0.0015	<0.0015	<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
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.000104	<0.000104	0.000105 J	**0.00732 J**	<0.000104	<0.000104	<0.000107	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.00005	<0.000292	**R**	<0.000295	<0.00654	<0.000292	<0.000292	<0.000301	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.000123	<0.000123	0.000124 J	**0.00867 J**	<0.000123	<0.000123	<0.000126	<0.000126	<0.000059	<0.000058	<0.000058	<0.000059	<0.000059	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	<0.0000755	<0.0000755	0.0000762 J	**0.00805 J**	<0.0000755	<0.0000755	<0.0000777	<0.0000777	<0.000042	<0.000042	<0.000042	<0.000042	**0.023 J**	0.000042 J
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.0000755	<0.0000755	0.0000762 J	0.00696 J	<0.0000755	<0.0000755	<0.0000777	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00005	<0.00005	0.000271 J	<0.000066	0.0000667 J	0.00686 J	<0.000157	<0.000187	<0.000068	<0.000068	<0.000019	<0.000019	<0.000019	<0.000019	0.000019 J	0.00012 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.000783	**R**	0.00079 J	**0.00371 J**	<0.000783	<0.000783	<0.000806	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	<0.000528	**R**	0.000533 J	0.00667 J	<0.000528	<0.000528	<0.000544	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00005	<0.00005	0.000237 J	<0.0000755	0.0000762 J	0.00726 J	0.000254 J	0.000413 J	<0.0000777	<0.0000777	<0.000027	<0.000027	<0.000027	<0.000027	0.00013	0.00018
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.00005	<0.0000566	<0.0000566	0.0000571 J	0.00735 J	<0.0000566	<0.0000566	<0.0000583	<0.0000583	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	<0.00005	0.0000527 J	<0.0000472	0.0000476 J	0.00775 J	0.000243 J	0.000518 J	<0.0000485	<0.0000485	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.0000755	<0.0000755	0.0000762 J	0.00807 J	0.000129 J	0.000137 J	<0.0000777	<0.0000777	<0.000051	<0.00005	<0.00005	<0.000051	<0.000051	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	<0.0000755	<0.0000755	0.0000762 J	**0.00775 J**	<0.0000755	<0.0000755	<0.0000777	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	<0.000123	<0.000123	0.000124 J	**0.00612 J**	<0.000123	<0.000123	<0.000126	<0.000126	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0001	<0.0001	<0.000349	<0.000349	0.000352 J	**0.00875 J**	<0.000349	<0.000349	<0.000359	<0.000359	0.000058 J	0.000072 J	<0.000037	<0.000037	0.000048 J	<0.000037
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.0000755	<0.0000755	0.0000762 J	0.00794 J	0.0000812 J	0.000132 J	<0.0000777	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00005	<0.00005	0.000109 J	<0.0000755	0.0000762 J	0.00726 J	<0.000258	<0.000456	<0.0000777	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000052 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000072	<0.000051	<0.000104	<0.000104	0.000105 J	0.00955 J	<0.000104	<0.000104	0.000184 J	0.000107 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00005	<0.00005	<0.000066	<0.000066	0.0000667 J	0.00857 J	0.000528 J	0.000866 J	<0.000068	<0.000068	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00005	<0.00005	<0.000066	<0.000066	0.0000667 J	0.00746 J	0.000291 J	0.000705 J	<0.000068	<0.000068	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00005	<0.00005	0.000429 J	<0.0000755	<0.0021	0.00669 J	0.000523 J	<0.000421	<0.0000777	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	0.00002 J	0.0014 J
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.000104	<0.000104	0.000105 J	0.00628 J	<0.000104	<0.000104	<0.000107	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.0000943	<0.0000943	0.0000952 J	0.00846 J	<0.0000943	<0.0000943	<0.0000971	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.000575	**R**	0.000581 J	**0.0126 J**	<0.000575	<0.000575	<0.000592	<0.000592	<0.00008	<0.000079	<0.000079	<0.00008	<0.00008	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00005	<0.00005	0.000184 J	<0.0000566	0.0000775 J	0.00777 J	0.00128 J	0.00242 J	<0.000087	<0.0000613	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00005	<0.00005	<0.0000377	**R**	0.0000381 J	0.00217 J	<0.0000377	<0.0000377	<0.0000388	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00005	<0.00005	<0.000104	<0.000104	0.000105 J	0.00813 J	0.000355 J	0.000508 J	<0.000107	<0.000107	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*											0.00128 J	0.00128 J	0.00109 J	0.00113 J	0.00116 J	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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-21C 07/16/2020	MW-21C 01/14/2021	MW-21C 01/14/2021 Duplicate	MW-21C 07/20/2021	MW-21C 07/20/2021 Duplicate	MW-21C 07/16/2020 Duplicate	MW-21C 01/27/2022	MW-21C 01/27/2022 Duplicate	MW-21C 07/19/2022	MW-21C 07/19/2022 Duplicate	MW-21C 02/02/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	0.0001 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.000064 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	<0.000058	<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	**0.003 J**	**0.0021 J**	**0.0027 J**	<4.2E-05 J	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**0.14 J**
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.0004 J	0.00005 J	<0.000019	<0.000019	<0.000021	0.000043 J	0.000019 J	<0.000019	<0.000019	<0.000046	<0.000019	<0.000019	0.00038 J	0.00012 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	0.00014 J	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	0.00031 J
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	0.0057 J	0.00081 J	<0.000027	0.0002	<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	0.00092 J
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	0.000074 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.00044 J	0.00005 J	<0.000014	<0.000014	<0.000014	0.00018	<0.000014	<0.000014	<0.000014	0.000034 J	<0.000014	<0.000014	0.00016 J	0.000014 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.00004	<0.000037	0.00035	0.000065 J	<0.000061	0.00034 J	0.00017 J	<0.000037	0.000066 J	<0.000087	0.00007 J	0.000057 J	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000043	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000048 J	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.0032 J	0.0004 J	<0.00002	0.00017	<0.00002	0.00013 J	0.000024 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00029 J	0.000046 J	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000028	<0.000041	<0.000026	<0.00002	<0.00002	<0.000033	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.00081 J	0.000087 J	<0.00001	<0.00001	<0.000019	**0.00024 J**	0.000018 J	<0.00001	<0.00001	<0.000067	<0.00001	<0.00001	0.00032 J	0.000011 J	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.0019 J	0.00025 J	<0.00003	0.00018	<0.00003	0.00016 J	0.000031 J	<0.00003	<0.00003	<0.00006	<0.00003	<0.00003	0.00028 J	0.00003 J	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	0.0044 J	0.0008 J	0.00011	0.00013	<0.000042	0.000067 J	0.000053 J	0.000039 J	<0.00002	<0.00016	0.00037 J	0.00017 J	0.0017	0.0016	0.000043 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.00087 J	0.00011 J	<0.000021	0.000061 J	<0.000021	0.00066 J	0.000053 J	<0.000021	<0.000021	<0.000026	<0.000021	<0.000021	0.00083 J	0.000037 J	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.00018 J	0.00081 J	<0.000035	<0.000035	<0.000035	<0.000035	0.000044 J	<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	0.00039 J	0.000033 J	<0.000019	<0.000019	<0.000019	0.00018 J	0.000019 J	<0.000019	<0.000019	0.000044 J	<0.000019	<0.000019	0.00019 J	0.000019 J	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.00187 J	0.00178 J	0.0013 J	0.00326	0.00109 J	0.00109 J	0.000873 J	0.00118 J	0.00113 J	0.00115 J	0.00121 J	0.00091 J	0.00078 J	0.000884 J	0.000835 J	0.00102 J	0.00181 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-21C 02/02/2023 Duplicate	MW-21C 07/11/2023	MW-21C 07/11/2023 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	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.00052	<0.00109	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0002	<0.00014	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.00025	<0.00112	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0002	0.00296	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<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	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.00025	<0.00142	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	0.000549	0.0403	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<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	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.00041	<0.00138	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	0.000307 J	0.00925	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.00127	<0.00302	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	0.000834 J	0.0569	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000108	<0.000109	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00029	<0.00028	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000304	<0.000307	<0.00004	<0.000041
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.0002	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000127	<0.000129	<0.000059	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	**0.0055 J**	<0.000042	<0.000042	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000784	<0.0000792	<0.000042	<0.000043
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.00039	<0.00038	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000784	<0.0000792	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.00039	<0.00038	<0.00007	<0.00007	<0.00007	0.00072	<0.00005	<0.00005	<0.00059	<0.0000686	0.00603	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000814	<0.000822	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047 J	<0.000047	<0.000047	<0.00024	<0.00024	<0.00007	0.00007 J	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000549	<0.000554	<0.000047	<0.000048
Acenaphthene	*1.5*	*4.4*	<0.000027 J	<0.000027	<0.000027	<0.00029	<0.00028	<0.00009	<0.00009	<0.00009	0.00015 J	<0.00005	0.00009 J	<0.00031	0.00557	0.0783	<0.000027	<0.000028
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.00029	<0.00028	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.000742	0.000943	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.0002	<0.00019	0.0002	<0.00007	<0.00007	0.00011 J	<0.00005	0.000058 J	0.0004	<0.000939	0.00265	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.0002	<0.00019	0.00015 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00011 J	<0.0000784	<0.0000792	<0.000051	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000784	<0.0000792	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00039	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000127	<0.000129	<0.00003	<0.000031
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	**0.0104**	<0.00019	0.00033	0.0013	<0.0012	<0.0002	0.0015	<0.0011	0.00011 J	<0.000363	0.000703	0.0033	<0.000038
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.0002	<0.00019	0.00014 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.0001 J	<0.0000784	<0.0000792	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00029	<0.00028	<0.00008	<0.00008	<0.00008	0.00015 J	<0.00005	0.000074 J	<0.00048	0.001	0.0224	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00012	<0.000078	<0.0002	<0.00019	0.00017 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000866	<0.000109	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.000086 J	<0.00041	0.000362 J	0.00247	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	0.0001 J	<0.00005	0.00008 J	<0.00029	0.000468 J	0.0175	<0.00003	<0.000031
Naphthalene	*0.49*	*1.5*	0.000037 J	<0.00002	<0.000063	<0.00039	<0.00038	<0.0001	<0.0001	<0.0001	0.0035	0.0001 J	0.00024	<0.0018	<0.0034	**0.792**	<0.00017	0.00012
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.00039	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000108	<0.000109	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.00024	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000098	<0.000099	<0.000025	<0.000026
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.0002	<0.00019	<0.00008	0.00008 J	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000598	<0.000604	<0.00008	<0.000081
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	0.00028	<0.00005	0.0002 J	<0.0015	<0.000478	0.000604	<0.000021	0.00012
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	0.00017 J	<0.00005	<0.00005	<0.00005	<0.0000392	<0.0000396	<0.000035	<0.000036
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.0002	<0.00019	0.00013 J	<0.00007	<0.00007	<0.00007	<0.00005	0.000055 J	<0.00033	<0.000108	0.00106	<0.000019	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*	0.000913 J	0.00121 J	0.00113 J												0.000896 J	0.000716 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-22AR 01/27/2022	MW-22AR 07/26/2022	MW-22AR 01/26/2023	MW-22AR 07/19/2023	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
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	<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	<0.0002	<0.0002	<0.0002	<0.00025	0.00313 J	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<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	<0.0003	<0.0003	<0.0003	<0.00025	0.00262 J	<0.0005	<0.0005	<0.0005	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<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	<0.0002	<0.0002	<0.0002	<0.00041	<0.00138	<0.0005	<0.0005	0.00053 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	<0.0003	<0.0003	<0.00127	0.00339 J	<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	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.0003	<0.0003	<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	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<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	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<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	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.0004	<0.0004	<0.00012	<0.0001	<0.0001	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.00012	<0.000019	<0.000019	<0.000019	<0.000019	<0.00075	<0.000019	<0.00019	<0.0004	<0.0004	<0.00007	<0.00007	<0.00007	<0.00007
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00025	<0.00025	<0.00007	<0.00007	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00071	<0.000027	<0.00015	<0.000027	<0.000028	<0.000027	<0.000027	0.0019	<0.000027	<0.00027	0.0121	0.182	0.022	0.00016 J	0.0093	0.00022
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	<0.00015	<0.0003	0.00192	0.00034	<0.00007	0.00012 J	<0.00007
Anthracene	*7.3*	*22*	0.00017	0.000028 J	<0.000014	0.0002	<0.000014	<0.000014	<0.000014	0.000032 J	0.00061	<0.000014	<0.00014	0.000948	0.00575	0.00071	<0.00007	0.00031	<0.00007
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	0.00029	<0.00005	<0.00005	<0.00005	<0.00005	0.000099 J	<0.00005	<0.0005	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	0.0001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<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	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.0004	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0001 J	0.000065 J	<0.000037	0.00011 J	<0.000037	0.00036	0.000095 J	0.00006 J	<0.000037	<0.000037	<0.00037	0.00172 J	<0.0002	0.00053	0.00022	<0.00061	<0.0002
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	0.00032	<0.000021	<0.000022	<0.000021	<0.000021	0.00006 J	<0.000021	<0.00021	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.000029 J	<0.00002	<0.00015	<0.00002	<0.00002	<0.00002	<0.00002	<0.00051	<0.00002	<0.0002	0.00363	0.0674	0.0051	0.00026	0.0019	<0.00008
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.00051	<0.00002	<0.00002	<0.00002	0.000033 J	0.00004 J	<0.00002	<0.00002	<0.00002	<0.0002	0.00066 J	<0.0002	0.00018 J	<0.00007	<0.00007	<0.00007
Fluoranthene	*0.98*	*2.9*	<0.00001	0.000079 J	<0.00001	0.0015	<0.00001	0.000025 J	<0.00001	<0.00001	0.0012	<0.00001	<0.0001	0.00029 J	0.00661	0.0011	0.00011 J	0.00061	<0.00007
Fluorene	*0.98*	*2.9*	<0.00003	0.00014	<0.00003	0.00019	<0.00003	<0.00003	<0.00003	<0.00003	<0.0006	<0.00003	<0.0003	0.00199	0.0395	0.0018	<0.00007	0.0018	<0.00007
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.00044	<0.00002	<0.000021	<0.00011	0.00014	0.0024	<0.00002	<0.0002	0.000691	0.00435	0.00017 J	0.00012 J	0.00036	<0.0001
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	<0.00024	<0.0004	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.00009	<0.00009	<0.00009	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	0.000068 J	<0.000021	0.0015	<0.000021	<0.000022	<0.000021	<0.000021	<0.0016	<0.000021	<0.00021	<0.0002	0.000764	<0.00007	0.00015 J	<0.00007	<0.00007
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000041	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007
Pyrene	*0.73*	*2.2*	<0.000019	0.000084 J	<0.000019	0.001	<0.000019	<0.000019	0.000027 J	<0.000019	0.00075	<0.000019	<0.00019	<0.0002	0.00239	0.00047	<0.00007	0.00027	<0.00007
Metals																			
Arsenic	*0.01*	*0.01*	0.00293	0.00488	0.000481 J	0.00352	0.00822	0.00507	0.00915	0.0015 J	0.0036	0.001 J	0.00206						

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.001	<0.0005	<0.0002	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.001	<0.001	0.0042 J	0.000304 J	0.00185	0.00238	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.001	<0.0005	<0.00018	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0011	<0.0011	0.0088	0.0022	0.0255	0.0275	0.00034 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0013	<0.0013	<0.001	<0.00022	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.001	<0.001	0.0033 J	0.00133	0.00584	0.00752	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*						<0.00011										
Xylenes (total)	*10*	*10*	<0.0031	<0.0031	0.0057 J	0.00409	0.0362	0.0383	0.00082 J	<0.0003	0.001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.00005	<0.000108	<0.000109	<0.00011	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	0.00014 J	<0.00005	<0.000304	0.00107	<0.00031	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.00005	<0.000127	<0.000129	<0.00013	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	<0.00006	<0.0000784	<0.0000792	<0.00008	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.00005	<0.0000784	<0.0000792	<0.00008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00011 J	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00005	0.00044	<0.00063	0.000414 J	0.00721	0.00663	0.00056	0.000067 J	0.000071 J	<0.000019	<0.000019	<0.000043	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.000814	<0.000822	<0.00083	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.000549	<0.000554	<0.00056	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.003	0.068	0.18	0.0244	0.0762	0.123	0.034	0.044	0.047	0.022	<0.000027	0.018	0.0024	0.000066 J	0.00071	0.017
Acenaphthylene	*1.5*	*4.4*	<0.00005	0.00046	0.0018	0.000886	0.000641	0.00132	<0.000015	0.00096	0.00041	<0.000015	<0.000015	0.00018	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.00011 J	0.0017	0.0067	<0.00146	0.00292	0.00404	0.00039	0.00062	0.0013	0.00048	<0.000014	0.00042	<0.000014	0.000056 J	<0.000014	0.00021
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.0000784	<0.0000792	<0.00008	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	<0.00005	<0.0000784	<0.0000792	<0.00008	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	<0.00005	<0.000127	<0.000129	<0.00013	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00041	<0.00051	<0.0001	<0.000363	0.000672	<0.00037	<0.000037	<0.000038	<0.000037	<0.000037	<0.000037	0.000075 J	0.000064 J	0.000072 J	0.000039 J	<0.000037
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.0000784	<0.0000792	<0.00008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.00068	0.0079	0.046	0.00784	0.0238	0.0409	0.00066	0.00049	0.0011	0.00029	<0.00002	<0.00029	0.000057 J	0.000055 J	<0.00002	0.00012
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	<0.00005	<0.000873	<0.000109	<0.00011	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000052 J	0.000035 J	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00019 J	0.0022	0.0065	0.00187	0.00304	0.00282	0.00098	0.0011	0.0028	0.0011	<0.00001	0.0017	0.0005	0.00015	0.00035	0.0022
Fluorene	*0.98*	*2.9*	0.00049	0.0035	0.019	0.00521	0.0198	0.0355	0.002	0.0017	0.0046	0.0025	<0.00003	0.0026	0.00036	0.00029	0.000082 J	0.00086
Naphthalene	*0.49*	*1.5*	<0.00005	0.0032	0.032	0.13 J	**0.832**	**0.977**	0.0038	0.0008	0.00044	0.00017	<0.00002	<0.00013	<0.00002	<0.00002	<0.00002	0.00013
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.000108	<0.000109	<0.00011	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	0.00029	<0.00005	<0.000098	<0.000099	<0.0001	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.00005	<0.000598	<0.000604	<0.00061	<0.00008	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00005	0.00026	0.0027	<0.000562	0.00053	<0.00006	0.00081	0.00018	0.00039	<0.000021	<0.000021	<0.00013	<0.000021	0.000026 J	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00005	<0.00005	0.0001 J	<0.0000392	<0.0000396	<0.00004	<0.000035	<0.000036	<0.000035	<0.000035	0.00069	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00012 J	0.001	0.0033	0.000876	0.00123	0.0023	0.00062	0.00077	0.0015	0.00046	<0.000019	0.00082	0.00023	0.000065 J	0.00015	0.00095
Metals																		
Arsenic	*0.01*	*0.01*							**0.0219**	**0.0159**	**0.0301**	**0.0535**	0.000559 J	**0.016**	0.00882	<0.00201	0.00843	**0.0261**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-22BR 07/26/2022	MW-22BR 01/26/2023	MW-22BR 07/19/2023	MW-23C 02/04/2009 DNAPL	MW-23C 01/18/2010 DNAPL	MW-23C 06/23/2010 DNAPL	MW-23C 01/19/2011 DNAPL	MW-23C 07/22/2011 DNAPL	MW-23C 02/02/2012 DNAPL	MW-23C 07/12/2012 DNAPL	MW-23C 02/11/2013 DNAPL	MW-23C 07/31/2013 DNAPL	MW-23C 01/15/2014 DNAPL	MW-23C 08/28/2014 DNAPL	MW-23C 01/09/2020 DNAPL	MW-23C 07/14/2020 DNAPL
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.005	<0.005	**<0.01**	**<0.01**	<0.0005	<0.00014	<0.0014	<0.0002	<0.0014	<0.001	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	**0.017**	**0.012**	**0.0095 J**	**0.0072 J**	**<0.01**	**<0.01**	**0.0071**	**0.0111**	**0.0138**	**0.0126**	**0.00596 J**	0.0027 J	0.0014
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	0.001 J		<0.005	<0.005	<0.01	<0.01	<0.0005	0.000279 J	0.00146 J	<0.00018	<0.0012	<0.0015	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	0.13	0.074	0.12	0.13	0.1	0.1	0.17	0.151	0.185	0.165	0.15	0.028	0.021
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.0005	<0.0005	**<0.0092**	<0.005	**<0.013**	**<0.013**	<0.001	<0.00015	<0.0015	<0.00022	<0.0015	<0.005	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	0.0023 J	0.0012 J	<0.005	<0.005	<0.01	<0.01	0.0025 J	0.00433	0.00819 J	0.00728	0.00378 J	<0.001	0.0022
Vinyl chloride	*0.002*	*0.002*							**<0.005**	**<0.01**	**<0.01**	<0.0005	<0.00011	<0.0011	<0.00018	<0.0011		<0.0002
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	0.073	0.044	0.069 J	0.059 J	0.048 J	0.039 J	0.11	0.0884	0.0988	0.0959	0.0915	0.025	0.017
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.00021	<0.0001	<0.0001	**<0.005**	<0.0001	<0.00005	<0.0005	<0.001	<0.001	**<0.00534**	**<0.0259**	**<0.022**	<0.00021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.002	<0.0004	<0.00008	<0.00008	<0.004	<0.00008	0.0035	0.0014 J	0.028	<0.00282	<0.015	<0.0731	0.202	<0.047	0.022
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.00058	<0.00009	<0.00009	**<0.0045**	<0.00009	<0.00005	<0.0005	<0.001	<0.00118	**<0.00631**	**<0.0307**	**<0.026**	<0.00058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.00042	<0.00007	<0.00007	**<0.0035**	<0.00007	<0.00006	<0.0006	<0.0012	<0.000727	**<0.00388**	**<0.0189**	**<0.016**	<0.00042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.00021	<0.00012	<0.0001	<0.005	<0.0001	<0.00005	<0.0005	<0.001	<0.000727	<0.00388	<0.0189	<0.016	<0.00021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00032	<0.000019	<0.00019	**2.6**	**0.75**	**2.7**	**1.2**	**1.3**	**0.65**	**28**	**1.38**	**1.16**	**4.52**	**18.3**	**0.12**	0.041
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.0002	<0.00008	<0.00008	**<0.004**	<0.00008	<0.00008	<0.0008	<0.0016	**<0.00755**	**<0.0403**	**<0.196**	**<0.166**	<0.0002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.00047	<0.00007	<0.00007	<0.0035	<0.00007	<0.00005	<0.0005	<0.001	<0.00509	<0.0272	**<0.132**	**<0.112**	<0.00047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00019	<0.000027	0.0031	**3.4**	1.2	**3.4**	**1.6**	**2**	0.89	**39**	**1.78**	**1.58**	**7.79**	**25.9**	0.21	0.06
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.00015	0.017	0.01	0.03	0.012	0.015	0.0068	0.45	<0.000545	<0.00291	<0.0142	0.336	0.0029	0.0014
Anthracene	*7.3*	*22*	<0.00014	<0.000014	<0.00014	1.2	0.36	1.2	0.4	1.7	0.25	**16**	0.641	0.31	1.49	**8.74**	0.035	0.016
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.0005	**0.31**	**0.12**	**0.3**	**0.12**	**0.15**	**0.046**	**4.8**	**0.104**	**0.0905**	**0.5**	**2.63**	0.008	0.0053
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.0002	**0.072**	**0.029**	**0.093**	**0.04**	**0.044**	**0.016**	**1.2**	**0.0283**	**0.0235 J**	**0.119**	**0.73**	**0.0022**	**0.0017**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.0003	<0.00009	<0.00009	**<0.0045**	<0.00009	<0.00005	<0.0005	**<0.001**	**<0.00118**	**<0.00631**	**<0.0307**	**<0.026**	<0.0003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.00037	0.002	<0.0011	**<0.01**	0.0014	0.0019	<0.001	**0.042**	<0.00336	**<0.018**	**<0.0873**	**<0.074**	<0.00037	0.00015 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.00021	0.28	0.093	0.27	0.099	0.21	0.044	**4.3**	0.103	0.0819	0.476	**2.24**	0.0072	0.004
Dibenzofuran	*0.098*	*0.29*	<0.0002	<0.00002	<0.0002	**3.5**	**1.2**	**3.6**	**1.6**	**2.7**	**0.85**	**46**	**1.82**	**1.48**	**5.45**	**25.7**	**0.17**	0.051
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.0002	<0.00007	<0.00007	<0.0035	<0.00007	<0.00005	<0.0005	<0.001	<0.001	<0.00534	<0.0259	<0.022	<0.0002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00025	0.000022 J	0.0004 J	**3**	0.77	**3**	**0.99**	**1.8**	0.48	**34**	**1.09**	0.812	**4.42**	**20.4**	0.068	0.029
Fluorene	*0.98*	*2.9*	<0.00014	<0.00003	<0.0003	**2.5**	0.82	**2.6**	0.88	**2**	0.57	**32**	**1.19**	0.874	**3.78**	**20.5**	0.12	0.041
Naphthalene	*0.49*	*1.5*	0.0014	<0.00002	<0.0002	**9.9**	**3.9**	**8.9**	**8.5**	**7.5**	**7.8**	**83**	**12.2**	**13.2**	**43.8**	**57.9**	**0.66**	**0.92**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.00024	<0.00009	<0.00009	<0.0045	<0.00009	<0.00005	<0.0005	<0.001	<0.001	<0.00534	<0.0259	<0.022	<0.00024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.00025	<0.00009	<0.00009	<0.0045	<0.00009	<0.00005	<0.0005	<0.001	<0.000909	<0.00485	<0.0236	<0.02	<0.00025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.00079	<0.00008	<0.00008	**<0.004**	<0.00008	<0.00005	<0.0005	<0.001	**<0.00555**	**<0.0296**	**<0.144**	**<0.122**	<0.00079	0.00065
Phenanthrene	*0.73*	*2.2*	<0.00049	<0.000021	<0.00021	**8.8**	**2.7**	**8.2**	**3.6**	**3.8**	**1.9**	**130**	**3.48**	**2.8**	**18.2**	**59.4**	0.25	0.098
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.00035	<0.00007	<0.00007	<0.0035	<0.00007	<0.00005	0.0011 J	<0.001	<0.000364	<0.00194	<0.00943	<0.008	0.0079	0.0098
Pyrene	*0.73*	*2.2*	<0.00018	<0.000019	<0.00019	**1.6**	0.59	**1.9**	0.6	**1.1**	0.35	**21**	**0.754**	0.515	**3.04**	**13.3**	0.043	0.018
Metals																		
Arsenic	*0.01*	*0.01*	0.00357	0.00191 J	0.00603												0.00333	0.00196 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-23C 01/21/2021	MW-23C 07/23/2021	MW-23C 01/13/2022	MW-23C 07/12/2022	MW-23C 01/18/2023	MW-23C 07/12/2023	MW-25A 01/28/2008	MW-25A 07/14/2008	MW-25A 02/03/2009	MW-25A 01/15/2010	MW-25A 06/30/2010	MW-25A 01/26/2011	MW-25A 01/26/2011 Duplicate	MW-25A 07/20/2011	MW-25A 02/08/2012	MW-25A 07/18/2012
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.005	<0.001	<0.0002	<0.001	<0.002	<0.00245	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Benzene	*0.005*	*0.005*	0.0021	<0.005	**0.0055**	**0.0058**	**0.013**	**0.0095 J**	<0.00257	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0075	<0.0015	<0.0003	<0.0015	<0.003	<0.00239	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Ethylbenzene	*0.7*	*0.7*	0.032	0.041	0.083	0.17	0.16	0.1	<0.00203	<0.00025	0.0029 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	**<0.025**	<0.005	<0.001	<0.005	**<0.01**	<0.00195	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001
Toluene	*1*	*1*	0.0029	0.01 J	0.0072	0.019	0.03	0.023	<0.00274	<0.00041	0.00074 J	<0.0005	<0.0005	<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*	0.024	0.03	0.065	0.12	0.12	0.08	<0.00581	<0.00127	0.0047 J	<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	<0.00021	<0.00021	**<0.0021**	<0.00021	<0.00021	<0.00008	<0.00009	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	0.0069	0.015	0.047	0.03	0.04	0.024	<0.00029	<0.00033	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.00058	<0.00058	**<0.0058**	<0.00058	<0.00058	<0.00019	<0.00022	<0.00009	<0.00009	0.00066	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.00042	<0.00042	**<0.0042**	<0.00042	<0.00042	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.00021	<0.00021	<0.0021	<0.00021	<0.00021	<0.00038	<0.00044	<0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	0.067	0.089	**0.2**	**0.82**	**0.26**	**0.37**	<0.00038	<0.00044	0.024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.000061
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.00019	<0.00022	<0.00008	<0.00008	0.00026	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.00047	<0.00047	<0.0047	<0.00047	<0.00047	<0.00024	<0.00028	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	0.095	0.11	0.16	0.81	0.19	0.28	0.00038 J	<0.00033	0.034	0.0014	0.0012	0.00054	0.00052	0.0042	0.00053	<0.00005
Acenaphthylene	*1.5*	*4.4*	0.0013	0.0013	0.0038	0.012	0.0019	<0.00015	<0.00029	<0.00033	0.0004	<0.00007	0.00034	<0.00007	<0.00007	0.000053 J	<0.00005	<0.00005
Anthracene	*7.3*	*22*	0.027	0.017	0.098	0.22	0.011	0.013	0.00067	<0.00022	0.0005	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	0.0083	0.0029	0.0016	**0.057**	0.001	<0.0005	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.0026**	**0.0008 J**	**0.0003 J**	**0.016**	<0.0002	<0.0002	<0.00019	**<0.00022**	<0.00008	<0.00008	0.00012 J	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.0003	<0.0003	**<0.003**	<0.0003	<0.0003	<0.00038	<0.00044	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00014	<0.00037	<0.00037	<0.0037	<0.00037	<0.00037	0.00021 J	<0.00022	0.00033	<0.0002	<0.00056	<0.0002	0.00046	<0.00023	<0.0001	<0.0001
Chrysene	*0.91*	*2*	0.0074	0.0031	0.0018	0.051	0.00088 J	<0.00021	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	0.092	**0.11**	**0.17**	**0.79**	**0.19**	**0.26**	0.000601	<0.00033	0.018	<0.00008	0.00034	<0.00008	<0.00008	0.0013	0.0005	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.0002	<0.0022	<0.002	<0.0002	<0.0002	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	0.068	0.035	0.024	0.45	0.012	0.0081	0.000556	<0.00022	0.00057	0.000084 J	0.000092 J	<0.00007	<0.00007	0.00014 J	<0.00005	<0.00005
Fluorene	*0.98*	*2.9*	0.072	0.062	0.086	0.5	0.078	0.097	0.00033 J	<0.00022	0.0049	<0.00007	<0.00007	<0.00007	<0.00007	0.00016 J	0.00011 J	<0.00005
Naphthalene	*0.49*	*1.5*	**0.63**	0.18	**2.1**	**9.9**	**4**	**4.4**	0.0011	<0.00044	0.45	<0.0001	0.00024	0.00018 J	0.00027	<0.00005	0.00017 J	<0.00038
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.00024	<0.00024	<0.0024	<0.00024	<0.00024	<0.00038	<0.00044	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.00025	<0.00025	<0.0025	<0.00025	<0.00025	<0.00024	<0.00028	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	0.00031	<0.00079	<0.00079	**<0.0079**	<0.00079	<0.00079	<0.00019	<0.00022	<0.00008	<0.00008	0.00033	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	0.23	0.12	0.047	**2**	0.11	0.13	0.000715	<0.00022	0.0034	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Phenol	*7.3*	*22*	<0.00036	<0.00035	<0.00097	<0.0035	0.054	<0.00035	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00005 J	<0.00005
Pyrene	*0.73*	*2.2*	0.041	0.022	0.017	0.3	0.0071	0.0046	0.000484	<0.00022	0.00036	0.00047	0.00015 J	<0.00007	<0.00007	0.0009	<0.00005	<0.00005
Metals																		
Arsenic	*0.01*	*0.01*	0.00172 J	0.00229	0.00281	0.00255	0.00833	0.00784										

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-25A 07/16/2019	MW-25A 01/15/2020	MW-25A 07/22/2020	MW-25A 01/26/2021	MW-25A 07/20/2021	MW-25A 01/25/2022	MW-25A 07/25/2022	MW-25A 02/01/2023	MW-25A 07/17/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	0.000497 J	0.000121 J	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*	<0.00011	<0.00011	<0.00018	<0.00011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002						
Xylenes (total)	*10*	*10*	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000106	<0.00011	<0.000105	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000298	<0.00031	<0.000295	<0.000301	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000125	<0.00013	<0.000124	<0.000126	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0000769	<0.00008	<0.0000762	<0.0000777	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0000769	<0.00008	<0.0000762	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.0000673	<0.00007	<0.0000667	<0.000068	0.00014	<0.000019	0.000052 J	<0.000051	0.000057 J	<0.000019	0.00015	<0.000019	<0.000019	<0.000019	<0.00011	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000798	<0.00083	<0.00079	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000538	<0.00056	<0.000533	<0.000544	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.000171 J	0.000345 J	0.00356	0.0000912 J	0.062	0.054	<0.000027	0.000036 J	<0.000027	<0.000027	0.000078 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.0000577	<0.00006	0.000542	<0.0000583	0.00044	0.00053	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.0000481	<0.00005	<0.0000476	<0.0000485	0.00057	0.00068	<0.000014	0.000015 J	<0.000014	0.000089 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0000769	<0.00008	<0.0000762	<0.0000777	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	0.00012	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0000769	<0.00008	<0.0000762	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000038 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000125	<0.00013	<0.000124	<0.000126	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000356	<0.00037	<0.000352	<0.000359	<0.00008	<0.000038	0.0001 J	<0.000078	<0.000037	<0.000037	0.000054 J	<0.000087	0.000064 J	0.00005 J	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.0000769	<0.00008	<0.0000762	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000097 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.0000769	<0.00008	<0.0000762	<0.0000777	0.00017	0.00011	0.000033 J	<0.00002	<0.00002	<0.00002	0.00011	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000106	<0.00011	<0.000105	<0.000107	<0.00002	<0.00002	<0.00002	0.00002 J	<0.00002	<0.00002	<0.00002	<0.000028	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.0000673	<0.00007	0.00106	<0.000068	0.0062	0.0066	<0.00001	0.000015 J	<0.00001	0.00045	0.000075 J	<0.000019	<0.00001	<0.00001	<0.00001	0.000015 J	<0.00001
Fluorene	*0.98*	*2.9*	<0.0000673	<0.00007	<0.0000667	<0.000068	0.026	0.022	<0.00003	<0.00003	<0.00003	<0.00003	0.00009 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.000692	<0.00008	<0.000217	<0.000817	<0.00029	0.0002	0.0006	<0.00029	0.00023	0.0001	0.001	<0.00002	<0.00002	<0.00002	<0.001	0.000077 J	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000106	<0.00011	<0.000105	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0000962	<0.0001	<0.0000952	<0.0000971	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000587	<0.00061	<0.000581	<0.000592	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.0000577	<0.00006	<0.0000571	<0.0000583	0.00015	0.00015	<0.000021	0.000029 J	<0.000021	0.00017	0.00016	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.0000385	<0.00004	<0.0000381	<0.0000388	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	0.000069 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000106	0.000124 J	0.000585	0.00018 J	0.0033	0.0049	<0.000019	0.000027 J	<0.000019	0.00035	0.000057 J	<0.000019	0.00015	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*					**0.0171**	0.00714	0.00171 J	0.00216	0.00285	0.00216	0.0019 J	0.00318	0.00248	0.00185 J	<0.00163	0.00193 J	0.0016 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

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

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-25C 07/22/2020	MW-25C 01/25/2021	MW-25C 07/20/2021	MW-25C 01/25/2022	MW-25C 07/25/2022	MW-25C 02/01/2023	MW-25C 07/17/2023	MW-26A 01/29/2008	MW-26A 07/14/2008	MW-26A 02/03/2009	MW-26A 01/13/2010	MW-26A 06/25/2010	MW-26A 01/24/2011	MW-26A 07/19/2011	MW-26A 08/25/2011	MW-26A 10/20/2011	MW-26A 02/15/2012
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.002	<0.0002	<0.002	<0.0002	<0.004	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001			<0.001
Benzene	*0.005*	*0.005*	0.0016	0.0016	<0.002	<0.0002	<0.002	0.0005 J	<0.004	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	**0.031**	**0.042**	0.004 J	<0.001
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.003	<0.0003	<0.003	<0.0003	<0.006	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001			<0.001
Ethylbenzene	*0.7*	*0.7*	0.029	0.03	0.023	0.0026	0.031	0.036	0.029	<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	**<0.01**	<0.001	**<0.01**	<0.001	**<0.02**	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013			<0.0013
Toluene	*1*	*1*	0.0081	0.0046	0.0054 J	<0.0002	<0.002	0.0024	<0.004	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001			<0.001
Vinyl chloride	*0.002*	*0.002*	<0.0002																
Xylenes (total)	*10*	*10*	0.19	0.21	0.16	0.014	0.17	0.2	0.16	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	0.0045 J			<0.0031
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.000021	<0.00021	<0.000021	**<0.0021**	**<0.0021**	<0.000021	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005			<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	0.018	<0.00004	0.0033	0.00063	<0.004	<0.004	0.0007	<0.0003	<0.0003	0.00054	<0.00008	<0.00008	<0.00008	<0.00005			<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.000058	<0.00058	<0.000058	**<0.0058**	**<0.0058**	<0.000058	<0.0002	<0.0002	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005			<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.000042	<0.00042	<0.000042	**<0.0042**	**<0.0042**	<0.000042	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006			<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.000021	<0.00021	<0.000021	<0.0021	<0.0021	<0.000021	<0.0004	<0.0004	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005			<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	**0.51**	**0.29**	**0.3**	**0.29**	**<0.36**	**0.34**	**0.16**	<0.0004	<0.0004	0.0024	<0.00007	<0.00007	0.00031	0.00039			<0.00005
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	0.00065 J	<0.00002	<0.0002	<0.00002	<0.002	<0.002	<0.00002	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008			<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.000047	<0.00047	<0.000047	<0.0047	<0.0047	<0.000047	<0.00025	<0.00025	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005			<0.00005
Acenaphthene	*1.5*	*4.4*	0.099	0.081	0.1	0.085	<0.14	0.13	0.06	0.0519	0.0173	0.015	0.0097	0.005	0.0039	0.12			0.0095
Acenaphthylene	*1.5*	*4.4*	0.0016	0.00089	0.0014	0.00083	<0.0015	<0.0015	0.00062	<0.0003	<0.0003	<0.00006	0.00014 J	<0.00007	<0.00007	0.00047			0.00013 J
Anthracene	*7.3*	*22*	0.012	0.0068	0.014	0.0072	<0.014	0.016	0.0048	0.0018	0.00047 J	0.00079	<0.00007	0.0002	0.000099 J	0.0026			0.00025
Benzo(a)anthracene	*0.0091*	*0.02*	0.0013	0.00066	0.0014	0.00065	<0.005	<0.005	0.00053	<0.0002	<0.0002	0.00016 J	<0.00007	<0.00007	<0.00007	<0.00005			<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.00043 J**	**0.00022**	**0.00055 J**	0.00019	**<0.002**	**<0.002**	0.00016	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005			<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.00003	<0.0003	<0.00003	**<0.003**	**<0.003**	<0.00003	<0.0004	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005			<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.0001	<0.00037	<0.000037	<0.0037	<0.0037	<0.000037	**0.0214**	<0.0002	0.00042	<0.00026	<0.00045	0.00043	<0.00031			<0.0001
Chrysene	*0.91*	*2*	0.00099 J	0.00061	0.0013	0.0007	<0.0021	<0.0021	0.0005	<0.0002	<0.0002	0.00018 J	<0.00007	0.0003	<0.00007	<0.00005			<0.00005
Dibenzofuran	*0.098*	*0.29*	0.094	0.08	**0.1**	0.082	**<0.12**	**0.15**	0.058	0.00492	0.00123	0.0026	0.00078	0.00033	0.00038	0.021			0.0014
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.00002	<0.0002	<0.00002	<0.002	<0.002	<0.00002	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005			<0.00005
Fluoranthene	*0.98*	*2.9*	0.01	0.0065	0.013	0.0075	<0.011	0.0065 J	0.0048	0.00244	0.000523	0.00091	0.0003	0.0004	0.00036	0.0048			0.00049
Fluorene	*0.98*	*2.9*	0.051	0.043	0.057	0.044	<0.063	0.065	0.033	0.00235	0.000742	0.0016	0.00028	0.00034	0.00017 J	0.0057			0.0006
Naphthalene	*0.49*	*1.5*	**2.4**	0.4	0.1	**2.4**	**<2.6**	**4**	**0.77**	0.00078	<0.0004	0.0074	<0.00051	<0.0001	0.0043	0.0019			0.0001 J
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.000024	<0.00024	<0.000024	<0.0024	<0.0024	<0.000024	<0.0004	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005			<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.000025	<0.00025	<0.000025	<0.0025	<0.0025	<0.000025	<0.00025	<0.00025	<0.00009	<0.00009	<0.00009	<0.00009	0.00023			<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.000079	<0.00079	<0.000079	**<0.0079**	**<0.0079**	<0.000079	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005			<0.00005
Phenanthrene	*0.73*	*2.2*	0.073	0.057	0.081	0.062	<0.096	0.077	0.049	<0.0002	<0.0002	0.003	0.00021	0.00017 J	0.00011 J	0.00029			<0.00005
Phenol	*7.3*	*22*	0.008	0.000071 J	<0.00035	<0.000035	<0.0035	<0.0035	<0.000035	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005			<0.00005
Pyrene	*0.73*	*2.2*	0.006	0.0037	0.0082	0.0048	<0.0079	0.0046 J	0.0032	0.00126	0.00021 J	0.00069	0.000092 J	0.0002 J	0.00013 J	0.0031			0.00024
Metals																			
Arsenic	*0.01*	*0.01*	0.00433	0.00628	0.00577	**0.0184**	**0.0151**	**0.0144**	**0.0169**										

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-26A 07/17/2012	MW-26A 02/06/2013	MW-26A 08/07/2013	MW-26A 10/14/2013	MW-26A 01/22/2014	MW-26A 07/24/2014	MW-26A 01/28/2018	MW-26A 03/21/2018	MW-26A 06/05/2018	MW-26A 01/15/2019	MW-26A 07/17/2019	MW-26A 01/16/2020	MW-26A 07/27/2020	MW-26A 01/19/2021	MW-26A 07/20/2021	MW-26A 01/20/2022
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	0.00118	**0.0097**	0.00391	0.000434 J	0.000189 J	<0.0002	<0.0002	<0.0002	<0.0002	0.00036 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	0.000176 J	0.000297 J		<0.00018	0.000205 J	<0.0003	<0.0003	<0.0003	0.00056 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.00011	0.000815 J		<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<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	<0.000291		<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	0.00239 J		<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	**<0.00529**	<0.000104		<0.00011	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00013	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.0149	<0.000292		<0.00031	<0.000301	0.000056 J	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.0002	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	0.0001 J	**<0.00625**	<0.000123		<0.00013	<0.000126	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	**<0.00385**	<0.0000755		<0.00008	<0.0000777	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00385	<0.0000755		<0.00008	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00007 J	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.000056 J	<0.00337	0.000414 J		<0.00007	<0.000068	0.000053 J	<0.000019	<0.000019	<0.00009	0.000059 J	<0.000042	<0.000019	<0.000087	0.000068 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	**<0.0399**	<0.000783		<0.00083	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.0269	<0.000528		<0.00056	<0.000544	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.0087	0.0481	0.141		0.0699	0.0663	0.0073	<0.000028	0.019	0.042	0.028	<0.00017	0.0092	0.011	0.001	0.0011
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.00288	<0.0000566		<0.00006	0.000486	0.00007 J	<0.000015	0.000082 J	0.00027	0.00013	<0.000015	0.000077 J	0.000095 J	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.00027	<0.0024	0.00228		0.00136	0.00141	0.00012	0.00015	0.00025	0.00087	0.00047	<0.000087	<0.00014	<0.00017	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00385	<0.0000755		<0.00008	<0.0000777	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	**<0.00385**	<0.0000755		<0.00008	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000026	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	**<0.00625**	<0.000123		<0.00013	<0.000126	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0002 J	**<0.0178**	<0.000349		<0.00037	<0.000359	0.000076 J	<0.000038	<0.000037	<0.000037	<0.00019	<0.000037	0.000068 J	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.00005	<0.00385	<0.0000755		<0.00008	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000041	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.00084	0.00416 J	0.0151		<0.00008	0.00154	<0.00016	0.000086 J	0.0001	0.0005	0.00021	<0.000044	<0.00003	<0.00012	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00529	<0.000104		<0.00011	<0.000107	<0.00002	0.000052 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00092	<0.00337	0.0062		0.00306	0.00465	0.00084	0.0011	0.0014	0.0044	0.0029	0.00073	<0.0017	0.0011	0.00069	0.00028
Fluorene	*0.98*	*2.9*	0.00041	<0.00337	0.00611		0.0031	0.00245	0.00044	0.00051	0.00084	0.0039	0.0017	<0.00029	0.00061	<0.0013	0.00021	0.000058 J
Naphthalene	*0.49*	*1.5*	0.00027	<0.00385	0.0066		<0.000924	0.000419 J	<0.00014	<0.00002	<0.00002	<0.00049	<0.00032	<0.00017	<0.000049	<0.00079	0.00091	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00529	<0.000104		<0.00011	0.00394	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	0.001	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00481	<0.0000943		<0.0001	<0.0000971	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	**<0.0293**	<0.000575		<0.00061	<0.000592	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00005	<0.00288	<0.0000566		0.000147 J	0.000155 J	<0.000038	<0.000021	<0.000021	0.00012	0.000083 J	<0.00003	<0.000021	<0.000074	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00005	<0.00192	<0.0000377		<0.00004	<0.0000388	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00012 J	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00051	<0.00529	0.00322		0.00159	0.0022	0.00043	0.00042	0.00094	0.0025	0.0015	0.00035	<0.00094	0.00056	0.00035	0.00015
Metals																		
Arsenic	*0.01*	*0.01*							**0.032**	**0.0427**	**0.0491**	**0.166**	**0.0933**	**0.0217**	**0.0695**	**0.0513**	**0.0453**	**0.0374**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-26A 07/20/2022	MW-26A 02/01/2023	MW-26A 07/20/2023	MW-27A 01/28/2008	MW-27A 07/14/2008	MW-27A 02/09/2018	MW-27A 03/26/2018	MW-27A 06/01/2018	MW-27A 07/18/2019	MW-27A 01/15/2020	MW-27A 07/28/2021	MW-27A 01/25/2022	MW-27A 07/19/2022	MW-27A 01/26/2023	MW-27A 07/13/2023	MW-27C 01/28/2008	MW-27C 07/14/2008
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.00245	<0.00109	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00245	<0.00109
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.00257	<0.00112	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00257	<0.00112
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.00239	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00239	<0.0015
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.00203	<0.00142	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00203	<0.00142
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.00195	<0.00122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00195	<0.00122
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.00274	<0.00138	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00274	<0.00138
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.00581	<0.00302	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00581	<0.00302
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.0001	<0.00008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00008	<0.00008
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.00039	<0.00004	<0.00043	<0.0003	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.00029	<0.00032
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.00029	<0.0002	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00019	<0.00021
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.00029	<0.0002	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00019	<0.00021
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.00057	<0.0004	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00038	<0.00042
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.00057	<0.0004	<0.000019	<0.000019	<0.000019	0.00034	<0.000019	0.00014	<0.000019	<0.000019	<0.000019	<0.00019	<0.00038	<0.00042
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00029	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00019	<0.00021
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.00036	<0.00025	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00024	<0.00026
Acenaphthene	*1.5*	*4.4*	0.00011	<0.000027	<0.000027	<0.00043	<0.0003	<0.000027	<0.000027	<0.000027	0.00011	<0.000027	0.00056	<0.000027	<0.000027	<0.000027	<0.00027	<0.00029	<0.00032
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.00043	<0.0003	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.00029	<0.00032
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	0.00087	<0.0002	<0.000014	<0.000014	<0.000014	0.000036 J	<0.000014	0.0015	<0.000014	<0.000014	<0.000014	<0.00014	<0.00019	<0.00021
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00029	<0.0002	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	0.00053	<0.00005	<0.00005	<0.00005	<0.0005	<0.00019	<0.00021
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	**<0.00029**	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	0.000052 J	0.00014	<0.00002	<0.00002	<0.00002	<0.0002	<0.00019	**<0.00021**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00057	<0.0004	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00038	<0.00042
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	0.00044 J	0.00026 J	0.0002	<0.000037	0.0005	0.0002	0.000062 J	<0.000067	<0.000037	<0.000037	<0.000037	<0.00037	0.00039 J	0.00029 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.00029	<0.0002	0.00005 J	<0.000021	<0.000021	<0.000021	<0.000021	0.0005	<0.000021	<0.000021	<0.000021	<0.00021	<0.00019	<0.00021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	0.00044 J	<0.0003	<0.00002	<0.00002	<0.00002	0.00014	<0.00002	0.00081	<0.00002	<0.00002	<0.00002	<0.0002	<0.00029	<0.00032
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00029	<0.0002	<0.00002	<0.00002	<0.00002	0.000034 J	<0.00002	0.00003 J	<0.00002	<0.00002	<0.00002	<0.0002	<0.00019	<0.00021
Fluoranthene	*0.98*	*2.9*	0.00021	<0.00001	0.000059 J	0.000756	<0.0002	0.000058 J	<0.00001	<0.00001	0.000024 J	<0.00001	0.0052	0.000029 J	<0.00001	0.000021 J	<0.0001	<0.00019	<0.00021
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00029	<0.0002	<0.00003	<0.00003	<0.00003	0.000074 J	<0.00003	0.0016	<0.00003	<0.00003	<0.00003	<0.0003	<0.00019	<0.00021
Naphthalene	*0.49*	*1.5*	<0.00002	0.00069	0.00014	0.0018	<0.0004	<0.00002	<0.00002	<0.00002	0.0026	0.000053 J	0.00015	<0.00002	<0.00002	<0.00002	<0.0002	<0.00038	<0.00042
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.00057	<0.0004	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00038	<0.00042
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.00036	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00024	<0.00026
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.00029	<0.0002	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00019	<0.00021
Phenanthrene	*0.73*	*2.2*	<0.000021	0.000053 J	<0.000021	0.000746	<0.0002	<0.000021	<0.000021	<0.000021	0.00013	<0.000021	0.0095	<0.000021	<0.000021	<0.000021	<0.00021	<0.00019	<0.00021
Phenol	*7.3*	*22*	<0.000035	0.00058	<0.000035	<0.00029	<0.0002	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.00019	<0.00021
Pyrene	*0.73*	*2.2*	0.000099 J	<0.000019	0.000032 J	0.00062	<0.0002	0.000078 J	<0.000019	<0.000019	<0.000019	<0.000019	0.0033	0.000049 J	<0.000019	<0.000019	<0.00019	<0.00019	<0.00021
Metals																			
Arsenic	*0.01*	*0.01*	**0.0658**	**0.0122**	**0.128**			0.000978 J	<0.0004	0.00207	0.000498 J	0.000859 J	0.00191 J	<0.0004	<0.0004	0.00173 J	0.00063 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-27C 02/03/2009	MW-27C 01/14/2010	MW-27C 06/30/2010	MW-27C 01/27/2011	MW-27C 07/20/2011	MW-27C 02/09/2012	MW-27C 07/25/2012	MW-27C 02/12/2013	MW-27C 08/08/2013	MW-27C 01/24/2014	MW-27C 07/25/2014	MW-27C 01/31/2018	MW-27C 03/26/2018	MW-27C 06/01/2018	MW-27C 01/22/2019	MW-27C 07/18/2019
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	<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	<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	<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	<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	<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	<0.0002
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	<0.0015	<0.00026	<0.00026	<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	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000108	<0.000021	<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	<0.000295	<0.000292	<0.000297	<0.000304	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000123	<0.000124	<0.000127	<0.000058	<0.000059	<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	<0.0000762	<0.0000755	<0.0000766	<0.0000784	0.00052	<0.000042	0.00057	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000766	<0.0000784	<0.000021	<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	<0.00005	<0.000777	<0.000066	<0.000067	<0.0000686	0.00041	<0.000019	<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	<0.00079	<0.000783	<0.000794	<0.000814	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000533	<0.000528	<0.000536	<0.000549	0.00031 J	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.00026	0.00015 J	0.00028	0.00019 J	0.00011 J	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000766	<0.0000784	0.0012	<0.000027	<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	<0.0000571	<0.0000566	<0.0000574	<0.0000588	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000476	<0.0000472	0.000431 J	<0.000049	0.000065 J	<0.000014	<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	<0.0000762	<0.0000755	<0.0000766	<0.0000784	<0.00005	<0.000051	<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	<0.0000762	<0.0000755	<0.0000766	<0.0000784	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000123	<0.000124	<0.000127	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00038	<0.0016	<0.0015	0.00047	<0.00095	0.00014 J	<0.00021	0.000652	<0.000349	<0.000354	<0.000363	<0.000073	0.000057 J	0.00042	<0.000037	0.000092 J
Chrysene	*0.91*	*2*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000766	<0.0000784	<0.000021	<0.000021	0.000054 J	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000766	<0.0000784	0.00038	<0.00002	<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	<0.000055	<0.000105	0.000143 J	<0.000851	<0.000108	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00007	0.00015 J	<0.00007	<0.00007	0.00011 J	<0.00005	<0.00005	<0.0000667	0.000114 J	0.0000881 J	<0.0000686	0.000085 J	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00007	<0.00007	0.00025	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000667	<0.000066	<0.000067	<0.0000686	0.00085	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	0.00037	<0.00013	0.00024	0.00015 J	<0.00005	<0.00005	0.00019 J	<0.0000762	0.000353 J	<0.000953	<0.0000784	<0.00043	<0.00002	<0.00002	<0.00002	0.000066 J
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000108	<0.000024	<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	<0.0000952	<0.0000943	<0.0000957	<0.000098	<0.000025	<0.000025	<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	<0.000581	<0.000575	<0.000584	<0.000598	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00007	0.00014 J	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571	0.0000908 J	<0.000406	<0.0000588	0.00027	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000381	<0.0000377	<0.0000383	<0.0000392	<0.000035	<0.000035	0.000053 J	<0.000035	0.00023
Pyrene	*0.73*	*2.2*	<0.00007	0.0001 J	<0.00007	<0.00007	0.000064 J	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000108	0.000044 J	<0.000019	<0.000019	<0.000019	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*												0.00261	<0.0004	0.00212	0.000786 J	0.000428 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-27C 01/15/2020	MW-27C 08/18/2020	MW-27C 02/02/2021	MW-27C 07/22/2021	MW-27C 01/24/2022	MW-27C 07/19/2022	MW-27C 01/26/2023	MW-27C 07/13/2023	MW-28A 01/29/2008	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
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<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	<0.00004	<0.00004	<0.0003	<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	<0.000059	<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	<0.000042	<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	<0.000021	<0.000021	<0.0004	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.0004	<0.00042	<0.00007	<0.00007	<0.00007	0.00064	<0.00005	<0.000066	0.00015 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	<0.0002	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00025	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.0003	<0.00032	<0.00009	<0.00009	<0.00009	0.0002	<0.00005	0.00098	<0.00005
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	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00005 J	<0.000014	<0.000014	0.000611	<0.00021	<0.00007	<0.00007	<0.00007	0.00036	<0.00005	<0.00005	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.00021	0.00013 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	**<0.00021**	0.00011 J	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0004	<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*	<0.000037	<0.000037	<0.00019	<0.000037	<0.000037	0.000052 J	<0.000037	<0.000037	0.0003 J	<0.00021	0.0037	<0.00022	<0.0019	<0.0002	<0.00032	<0.0001	<0.00043
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0002	<0.00021	0.00013 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000039 J	<0.00002	<0.00002	0.00032 J	<0.00032	<0.00008	<0.00008	<0.00008	0.0005	<0.00005	<0.000051	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.000081	<0.00002	<0.00002	<0.00002	0.000023 J	<0.00002	<0.0002	<0.00021	0.00016 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000033 J	0.000029 J	<0.00001	<0.0002	<0.00021	0.00012 J	<0.00007	<0.00007	0.00021	<0.00005	<0.00005	<0.00005
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000054 J	<0.00003	<0.00003	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	0.0003	<0.00005	<0.00005	<0.00005
Naphthalene	*0.49*	*1.5*	0.000055 J	<0.00002	<0.00013	<0.00032	<0.00002	<0.000063	<0.00002	<0.00002	0.000699	<0.00042	0.00017 J	<0.0001	<0.0001	0.0023	<0.00005	<0.00093	0.0013
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	<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	<0.00025	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.0002	<0.00021	<0.00008	<0.00008	0.00032	<0.00008	<0.00005	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00023	<0.000021	<0.000021	0.00046 J	<0.00021	<0.00007	<0.00007	<0.00007	0.00097	<0.00005	<0.00005	<0.00005
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.00011 J	<0.000066	<0.000035	<0.000035	<0.000035	<0.000035	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000023 J	0.000027 J	<0.000019	0.00041 J	<0.00021	0.00016 J	<0.00007	<0.00007	0.00013 J	<0.00005	0.00011 J	<0.00005
Metals																			
Arsenic	*0.01*	*0.01*	0.000623 J	0.00264	0.00221	<0.0004	<0.0004	<0.0004	0.000558 J	0.000638 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-28A 02/07/2013	MW-28A 08/07/2013	MW-28A 01/22/2014	MW-28A 07/25/2014	MW-28A 01/25/2018	MW-28A 03/21/2018	MW-28A 05/17/2018	MW-28A 01/14/2019	MW-28A 07/16/2019	MW-28A 01/16/2020	MW-28A 07/23/2020	MW-28A 01/20/2021	MW-28A 07/21/2021	MW-28A 08/26/2021	MW-28A 01/27/2022	MW-28A 07/20/2022
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*				<0.00011												
Xylenes (total)	*10*	*10*	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00105	<0.000104	<0.000105	<0.000107	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	0.000034 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00295	<0.000292	<0.000295	<0.000301	<0.00004	<0.00004	0.012	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	**1.5**	<0.00004	<0.0004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00124	<0.000123	<0.000124	<0.000126	<0.000059	<0.000059	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000762	<0.0000755	<0.0000762	<0.0000777	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000762	<0.0000755	<0.0000762	<0.0000777	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000667	<0.000066	<0.0000667	<0.000068	<0.000019	<0.000019	0.001	<0.000055	0.0002	<0.000019	<0.000019	<0.000019	0.054	<0.000019	<0.00019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.0079**	<0.000783	<0.00079	<0.000806	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00533	<0.000528	<0.000533	<0.000544	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000762	0.000368 J	<0.0000762	<0.0000777	<0.000027	<0.000027	0.00031 J	0.000092 J	0.000082 J	<0.00014	0.000038 J	<0.000027	0.016	<0.000027	<0.00027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000571	<0.0000566	<0.0000571	<0.0000583	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015
Anthracene	*7.3*	*22*	<0.000476	<0.0000472	<0.0000476	<0.0000485	0.000016 J	0.000021 J	<0.00014	<0.000014	0.000036 J	<0.00013	<0.000014	<0.000014	0.0044	<0.000014	<0.00014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.000762	<0.0000755	<0.0000762	<0.0000777	<0.000051	<0.000051	<0.0005	<0.00005	0.000055 J	0.000073 J	<0.00005	<0.00005	0.00054 J	<0.00005	<0.0005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.000762**	<0.0000755	<0.0000762	<0.0000777	0.000045 J	<0.00002	<0.0002	<0.00002	0.000095 J	0.000057 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.00124**	<0.000123	<0.000124	<0.000126	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00352	<0.000349	<0.000352	<0.000359	0.00018 J	0.000062 J	0.00084 J	0.000061 J	<0.00023	0.00009 J	<0.000037	<0.0001	<0.000037	0.00021	<0.00037	0.000067 J
Chrysene	*0.91*	*2*	<0.000762	<0.0000755	<0.0000762	<0.0000777	0.000053 J	<0.000021	<0.00021	<0.000021	0.0001	0.000065 J	<0.000021	<0.000021	0.00047 J	<0.000021	<0.00021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.000762	<0.0000755	<0.0000762	<0.0000777	<0.00002	<0.00002	0.00031 J	<0.00011	0.000084 J	<0.0001	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00105	<0.000104	<0.000105	<0.000107	0.00003 J	<0.00002	<0.0002	<0.00002	<0.00002	0.000032 J	<0.00002	0.00022	0.015	<0.00002	<0.0002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.000667	<0.000066	<0.0000667	<0.000068	0.000062 J	0.000055 J	<0.0001	<0.00001	0.00012	0.0003	<0.00001	<0.00001	0.0039	<0.00001	<0.0001	<0.00001
Fluorene	*0.98*	*2.9*	<0.000667	<0.000066	<0.0000667	<0.000068	<0.00003	<0.00003	<0.0003	0.000056 J	0.000053 J	<0.00014	<0.00003	<0.00003	0.012	<0.00003	<0.0003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.000762	<0.000173	<0.0004	<0.0000777	<0.00002	<0.00002	0.024	<0.0024	0.0013	<0.0006	0.00015 J	<0.000091	**0.94**	<0.00002	<0.0002	0.000083 J
Nitrobenzene	*0.049*	*0.15*	<0.00105	<0.000104	<0.000105	<0.000107	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000952	<0.0000943	<0.0000952	<0.0000971	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	**<0.00581**	<0.000575	<0.000581	<0.000592	<0.00008	<0.00008	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000571	<0.0000566	<0.0000571	<0.0000583	0.000032 J	0.00003 J	0.00022 J	<0.000021	0.000049 J	0.00048	<0.000021	<0.000021	0.018	<0.000021	<0.00021	<0.000021
Phenol	*7.3*	*22*	<0.000381	<0.0000377	<0.0000381	<0.0000388	<0.000035	<0.000035	0.018	<0.000035	<0.000073	<0.000035	<0.000035	<0.000035	0.22	<0.000035	0.0019 J	<0.000035
Pyrene	*0.73*	*2.2*	<0.00105	0.000246 J	0.000105 J	<0.000107	0.000081 J	0.000079 J	<0.00019	0.000065 J	0.00016	0.00021	<0.000019	<0.000019	0.0022	<0.000019	<0.00019	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*					0.0076	0.0053	**0.0177**	**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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-28A 01/10/2023	MW-28A 07/19/2023	MW-28C 01/29/2008	MW-28C 07/14/2008	MW-28C 02/03/2009	MW-28C 01/13/2010	MW-28C 06/30/2010	MW-28C 01/25/2011	MW-28C 07/19/2011	MW-28C 02/16/2012	MW-28C 07/17/2012	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
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	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.00025	<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	<0.0003	<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*	<0.0003	<0.0003	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.00041	<0.00041	0.0026 J	0.0013 J	<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*	<0.0003	<0.0003	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.00008	<0.00009	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000101	<0.000104	<0.00011	<0.000107	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00029	0.00114 J	<0.00008	0.0002	<0.00008	0.000086 J	<0.00005	<0.00005	<0.00005	<0.000284	<0.000292	<0.00031	<0.000301	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.00019	<0.00022	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000119	<0.000123	<0.00013	<0.000126	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.00038	<0.00044	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.00038	<0.00044	0.000097 J	0.00024	0.000077 J	0.000079 J	<0.00005	<0.00005	0.00011 J	<0.0000642	<0.000066	0.0000741 J	<0.000068	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00019	<0.00022	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000761	<0.000783	<0.00083	<0.000806	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.00024	<0.00028	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000514	<0.000528	<0.00056	<0.000544	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.00029	<0.00033	<0.00009	0.00018 J	0.00033	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.00029	<0.00033	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000055	<0.0000566	<0.00006	<0.0000583	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.00059	<0.00022	<0.00007	<0.00007	0.00014 J	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000459	<0.0000472	<0.00005	<0.0000485	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00019	**<0.00022**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00038	<0.00044	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000119	<0.000123	<0.00013	<0.000126	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	0.00049 J	<0.00022	0.0033	<0.00046	<0.0012	0.00063	<0.00053	<0.00013	<0.0001	<0.000339	<0.000349	<0.00037	<0.000359	0.000064 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.00044 J	<0.00033	<0.00008	0.00018 J	<0.00008	<0.00008	0.00019 J	<0.00005	<0.00005	<0.0000734	<0.0000755	<0.00008	<0.0000777	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000101	<0.000104	<0.00011	<0.000107	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.000497	<0.00022	<0.00007	<0.00007	0.00012 J	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000642	<0.000066	<0.00007	<0.000068	<0.00001
Fluorene	*0.98*	*2.9*	0.000033 J	<0.00003	0.00022 J	<0.00022	<0.00007	0.00016 J	0.00033	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000642	<0.000066	<0.00007	<0.000068	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	0.00005 J	0.00234	0.00196	0.00057	0.0014	0.00035	0.00029	<0.000091	<0.00031	0.00064	0.000163 J	<0.0000755	<0.000596	<0.0000777	<0.00021
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.00038	<0.00044	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000101	<0.000104	<0.00011	<0.000107	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.00024	<0.00028	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000917	<0.0000943	<0.0001	<0.0000971	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	0.00056 J	<0.00022	<0.00008	<0.00008	0.00034	<0.00008	<0.00005	<0.00005	<0.00005	<0.00056	<0.000575	<0.00061	<0.000592	<0.000079
Phenanthrene	*0.73*	*2.2*	0.000064 J	<0.000021	0.000624	<0.00022	0.00013 J	0.00033	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000055	<0.0000566	0.0000739 J	<0.0000583	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.00865	0.00648	0.00063	0.0027	0.00075	0.0014	0.00054	<0.00005	<0.00005	<0.0000367	<0.0000377	<0.00004	<0.0000388	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.00041 J	<0.00022	<0.00007	<0.00007	0.00007 J	<0.00007	<0.00005	<0.00005	<0.00005	<0.000101	<0.000104	<0.00011	<0.000107	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*	0.00176 J	0.0086														0.00206

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-28C 03/21/2018	MW-28C 05/17/2018	MW-28C 01/14/2019	MW-28C 07/16/2019	MW-28C 01/16/2020	MW-28C 07/28/2020	MW-28C 01/15/2021	MW-28C 07/13/2021	MW-28C 01/21/2022	MW-28C 07/20/2022	MW-28C 01/10/2023	MW-28C 07/18/2023	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
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	<0.00109	<0.0005	<0.0005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.884**	**0.884**	**0.69**	**0.34**
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	<0.0015	<0.0005	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.373	0.365	0.34	0.076
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	<0.00122	<0.0005	<0.0005
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.95	0.983	0.74	0.36
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	1.02	1.03	0.88	0.35
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	**<0.02**	**<0.008**	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.000078	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	**9.57**	**12.6**	**2.2**	**2.1**
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	<0.000058	**<0.044**	**<0.019**	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**<0.044**	**<0.019**	<0.00007	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 JL	<0.089	<0.039	<0.00012	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00012	0.000042 J	<0.000019	<0.000019	<0.000019	0.000058 J	<0.000019 JL	**1.13**	**0.989**	**1.2**	**0.3**
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	<0.00002	<0.00002	**<0.044**	**<0.019**	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	**<0.056**	<0.024	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000074 J	0.000062 J	<0.000027	<0.000027	<0.000027	0.000042 J	<0.000027	0.341	0.294	0.34	0.13
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	<0.067	<0.029	0.006	0.0019
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.0001	0.000049 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.044	0.043	0.077	0.051
Benzo(a)anthracene	*0.0091*	*0.02*	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005	0.00013	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	**<0.044**	**<0.019**	**0.0096**	0.0067
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	**<0.044**	**<0.019**	**0.003**	**0.0023**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	0.00003 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003 JL	**<0.089**	**<0.039**	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	<0.00013	0.000072 J	0.00064	0.000083 J	<0.00012	<0.000037	0.000091 J	<0.000037	<0.000037	**<0.044**	**<0.019**	0.00042	<0.0018
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00014	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.044	<0.019	0.0087	0.0064
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.00002 J	<0.00002	<0.00002	<0.00002	0.000086 J	0.000081 J	<0.00002	<0.00002	<0.00002	0.000053 J	<0.00002	**0.298**	**0.26**	**0.32**	**0.14**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00025	<0.000048	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.044	<0.019	<0.00007	<0.00007
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	0.000015 J	<0.00001	0.00063	0.000096 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.044	0.026	0.098	0.07
Fluorene	*0.98*	*2.9*	<0.00003	0.00003 J	<0.00003	<0.00003	<0.00003	0.000091 J	0.00007 J	<0.00003	<0.00003	<0.00003	0.000038 J	<0.00003	0.163	0.156	0.22	0.087
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	0.000095 J	<0.00016	0.00053	0.00021	<0.000075	0.00004 J	<0.00002	0.00018	<0.00002	**25**	**16.2**	**16**	**3.5**
Nitrobenzene	*0.049*	*0.15*	<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	**<0.089**	<0.039	<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	<0.000025	<0.056	<0.024	<0.00009	<0.00009
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	<0.000079	**<0.044**	**<0.019**	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00056	0.00017	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.177	0.185	0.45	0.25
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	0.0025	0.000086 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	**9.01**	**8.83**	1.4	1.3
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00044	0.000071 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.044	<0.019	0.062	0.043
Metals																		
Arsenic	*0.01*	*0.01*	0.00184 J	0.00184 J	0.000447 J	0.000456 J	0.000937 J	0.00121 J	**0.00112 J**	0.00065 J	0.000758 J	0.00137 J	0.000864 J	0.00118 J				

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-32A[7] 07/01/2010 DNAPL	MW-32A[7] 01/25/2011 DNAPL	MW-32A[7] 07/19/2011 DNAPL	MW-32AR 02/09/2012	MW-32AR 07/16/2012	MW-32AR 02/06/2013	MW-32AR 08/07/2013	MW-32AR 01/21/2014	MW-32AR 07/24/2014	MW-32AR 01/28/2018	MW-32AR 03/27/2018	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0025	<0.0025	**0.03**	<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*	**1.5**	**0.61**	**1.4**	<0.001	<0.0005	**0.023**	0.000475 J	<0.0002	**0.0404**	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0025	<0.0025	<0.005	<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*	0.45	0.41	0.31	<0.0011	<0.0005	0.0082	0.000296 J	<0.00019	0.0208	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0032	<0.0025	**<0.0065**	<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*	**1.5**	1	**1.2**	<0.001	<0.0005	0.00338	0.000234 J	<0.00017	0.000849 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*							<0.00011		<0.00011						<0.0002	
Xylenes (total)	*10*	*10*	1.3	1.1	0.87	<0.0031	<0.0015	0.0176	0.000873 J	<0.00058	0.0336	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.001	<0.001	<0.0005	<0.00005	<0.00005	**<0.00529**	<0.000104	<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*	**15**	**2.3**	**31**	0.0012	0.000061 J	0.0172 J	<0.000292	<0.000292	0.0722	<0.00004	<0.00004	<0.00004	0.00013 J	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.0009	<0.0009	<0.0005	<0.00005	<0.00005	**<0.00625**	<0.000123	<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*	<0.0007	<0.0007	<0.0006	<0.00006	<0.00006	**<0.00385**	<0.0000755	<0.0000755	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.001	<0.001	<0.0005	<0.00005	<0.00005	<0.00385	<0.0000755	<0.0000755	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.48**	**6.9**	**0.95**	0.000088 J	0.00019 J	0.011 J	<0.000066	0.00021 J	**0.206**	0.000079 J	0.0068	<0.000019	<0.000019	<0.000019	<0.000028	0.000088 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0008	<0.0008	<0.0008	<0.00008	<0.00008	**<0.0399**	<0.000783	<0.000783	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.0007	<0.0007	<0.0005	<0.00005	<0.00005	<0.0269	<0.000528	<0.000528	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.19	**3.1**	0.25	0.0046	0.0029	0.0232 J	0.00625	0.0105	0.111	0.0013	0.0043	0.002	0.0001	<0.000027	0.0014	0.00028 J
Acenaphthylene	*1.5*	*4.4*	0.0079	0.027	0.005	0.00032	<0.00005	<0.00288	0.000258 J	<0.000317	0.00226	0.000054 J	0.000054 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.093	0.91	0.09	0.00041	0.00026	<0.0024	0.000223 J	0.000444 J	0.00332	0.000082 J	0.00021	0.000064 J	0.00002 J	<0.000014	<0.000014	0.00008 J
Benzo(a)anthracene	*0.0091*	*0.02*	**0.01**	**0.3**	**0.038**	0.00012 J	0.00015 J	<0.00385	<0.0000755	<0.0000755	0.000218 J	0.00006 J	<0.00005	<0.00005	<0.00005	0.000054 J	<0.00005	0.000088 J
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.0067**	**0.078**	**0.019**	<0.00005	<0.00005	**<0.00385**	<0.0000755	<0.0000755	<0.0000755	0.000027 J	<0.00002	<0.00002	<0.00002	<0.00002	0.000081 J	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.0009**	**<0.0009**	<0.0005	<0.00005	<0.00005	**<0.00625**	<0.000123	<0.000123	0.000452 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0041	0.0046	<0.0013	0.00054	0.00014 J	**<0.0178**	<0.000349	<0.000349	0.000621	0.00011 J	<0.000037	0.00014 J	<0.000044	0.000074 J	0.000043 J	<0.000037
Chrysene	*0.91*	*2*	0.0099	0.28	0.033	0.000093 J	0.00023	<0.00385	<0.0000755	0.0000774 J	0.00016 J	0.000058 J	<0.000021	0.000037 J	<0.000021	<0.000021	0.000042 J	0.000026 J
Dibenzofuran	*0.098*	*0.29*	**0.21**	**3.2**	**0.27**	0.00096	0.0017	0.00936 J	0.000515	0.000664	0.05	<0.000053	0.0024	0.00007 J	<0.00002	<0.00002	<0.00002	0.00011 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0007	<0.0007	<0.0005	<0.00005	0.000056 J	<0.00529	<0.000104	<0.000104	<0.000104	<0.00002	<0.00002	<0.00002	0.00002 J	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.09	**2.5**	0.11	0.002	0.003	0.00508 J	0.00102	0.00124	0.00656	0.00048	0.00023	0.00031	0.000051 J	<0.00001	<0.00029	0.00019 J
Fluorene	*0.98*	*2.9*	0.13	**2.5**	0.18	0.0017	0.0016	0.00932 J	0.00105	0.00317	0.0516	0.00012	0.00093	0.000058 J	<0.00003	<0.00003	0.000038 J	0.00011 J
Naphthalene	*0.49*	*1.5*	**11**	**31**	**21**	0.00044	0.0036	0.406	<0.00297	0.0087	**3.83**	<0.00058	0.026	0.000043 J	0.000067 J	<0.00002	<0.00014	0.00026 J
Nitrobenzene	*0.049*	*0.15*	<0.0009	<0.0009	<0.0005	<0.00005	<0.00005	<0.00529	<0.000104	<0.000104	<0.000104	0.00035	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	0.014	<0.0009	<0.0005	<0.00005	<0.00005	<0.00481	<0.0000943	<0.0000943	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.0008	<0.0008	<0.0005	<0.00005	<0.00005	**<0.0293**	<0.000575	<0.000575	<0.000575	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.19	**8.9**	0.35	0.00033	0.000055 J	0.00768 J	0.000112 J	0.000101 J	0.0111	0.00022	0.0013	<0.000021	0.000034 J	<0.000021	<0.000032	0.00023 J
Phenol	*7.3*	*22*	**14**	1.2	**21**	0.00012 J	0.00029	<0.00192	<0.0000377	<0.0000377	<0.0000377	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.047	**1.5**	0.072	0.0041	0.0046	<0.00529	0.000617	0.000625	0.00474	0.00031	0.00018	0.00049	0.000036 J	0.00045	0.00042	0.00021 J
Metals																		
Arsenic	*0.01*	*0.01*										0.00294	**0.0228**	**0.0441**	**0.0316**	**0.0628**	0.0077	**0.104**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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-32AR 01/19/2021	MW-32AR 07/21/2021	MW-32AR 01/20/2022	MW-32AR 07/21/2022	MW-32AR 01/10/2023	MW-32AR 07/20/2023	MW-33A 01/29/2008	MW-33A 07/14/2008	MW-33A 02/03/2009	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
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	<0.0005	<0.0005	<0.0005	<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	<0.00025	**0.0062**	0.00071 J	0.00074 J	0.0025 J	0.0024 J	0.0018 J	0.0034 J	**0.0056**	**0.009**	**0.0091**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.0015	<0.0005	<0.0005	<0.0005	<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	<0.00025	<0.00142	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0015 J	0.0033 J	0.003 J
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00122	<0.0005	<0.0005	<0.0005	<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	<0.00041	<0.00138	<0.0005	<0.0005	<0.0005	<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	<0.00127	<0.00302	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0016 J	<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	<0.0001	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.00044	<0.00004	<0.00004	<0.00004	<0.00004	<0.0005	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	0.0027	0.0034	0.0046
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00033	<0.00019	<0.00009	<0.00009	<0.00009	<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	<0.00033	<0.00019	<0.00007	<0.00007	<0.00007	<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	<0.00067	<0.00038	<0.00012	<0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.00042	<0.000019	0.00024	<0.000019	0.0018	<0.00067	<0.00038	0.00066	<0.00007	0.0009 J	0.00051 J	0.00092	<0.00007	0.0067	0.022 J	0.031 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00033	<0.00019	<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	<0.000047	<0.000047	<0.000047	<0.00042	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00071	<0.000027	0.00046	<0.000027	0.0023	0.0133	0.0124	0.013	<0.00009	0.028	0.026	0.012	0.0072	0.014	0.037	0.042
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0005	<0.00029	<0.00006	<0.00006	0.00015 J	0.00014 J	<0.00007	<0.00007	0.00014 J	0.00018 J	0.00021
Anthracene	*7.3*	*22*	<0.000086	0.00034	<0.000014	0.00012	<0.000014	0.0012	<0.00033	0.00024 J	0.0002 J	<0.00007	0.00028	0.00024	0.00021	<0.00007	0.00072	0.0013	0.0016
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	0.00013	<0.00005	0.000079 J	<0.00005	<0.00005	<0.00033	<0.00019	0.0002 J	<0.00007	0.00017 J	0.00017 J	0.00014 J	0.00014 J	0.00025	0.00019 J	0.00018 J
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000041 J	<0.00002	<0.00002	<0.00002	0.000029 J	**<0.00033**	<0.00019	<0.00008	<0.00008	<0.00008	<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	<0.00067	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.00137 J	<0.00019	0.00033	0.00035	<0.0003	<0.00038	<0.00035	<0.0016	0.00031	<0.00056	<0.00068
Chrysene	*0.91*	*2*	<0.000021	0.00011	<0.000021	0.00006 J	<0.000021	0.00012	<0.00033	<0.00019	0.00012 J	<0.00007	0.00012 J	0.000089 J	0.00009 J	<0.00007	0.00016 J	0.0001 J	0.00005 J
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.00034	<0.00002	0.00021	<0.00002	0.002	0.00074	0.000628	0.00078	<0.00008	0.0019	0.0017	0.0014	0.00035	0.0027	0.0088 J	0.014 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00032	0.000026 J	0.000052 J	<0.00002	<0.00002	<0.00002	0.00055 J	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00071	<0.00001	0.00023	<0.00001	0.0019	0.00141	0.00154	0.0022	<0.00007	0.0013	0.0012	0.0012	0.00095	0.003	0.0021	0.0023
Fluorene	*0.98*	*2.9*	<0.00003	0.00037	<0.00003	0.00017	<0.00003	0.0022	0.0013	0.000939	0.00067	<0.00007	0.0015	0.0013	0.0012	0.00041	0.0027	0.0088 J	0.012 J
Naphthalene	*0.49*	*1.5*	<0.00002	0.0019	<0.00002	0.0012	<0.00002	0.0013	0.00167	0.0047	0.0028	<0.0001	0.02 J	0.009 J	0.0082	0.0013	0.095	0.31 J	0.44 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00067	<0.00038	<0.00009	<0.00009	<0.00009	<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	<0.00042	<0.00024	<0.00009	<0.00009	<0.00009	<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	<0.00033	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000021	0.0011	<0.000021	0.00042	<0.000021	0.0057	<0.00033	0.00028 J	0.00037	<0.00007	0.00032	0.00024	0.00065	<0.00007	0.0048	0.0046 J	0.0068 J
Phenol	*7.3*	*22*	<0.000035	0.00023	<0.000035	<0.000035	<0.000035	<0.000035	<0.00033	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	0.00005 J	0.00091 J
Pyrene	*0.73*	*2.2*	<0.000019	0.00072	<0.000019	0.0013	<0.000019	0.0012	0.0019	0.00167	0.0024	<0.00007	0.0019	0.0018	0.0016	0.0015	0.0035	0.0025	0.0026
Metals																			
Arsenic	*0.01*	*0.01*	0.00873	**0.0352**	0.00576	**0.169**	0.00506	**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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-33A 02/15/2012	MW-33A 02/15/2012 Duplicate	MW-33A 07/17/2012	MW-33A 07/17/2012 Duplicate	MW-33A 02/12/2013	MW-33A 02/12/2013 Duplicate	MW-33A 08/07/2013	MW-33A 08/07/2013 Duplicate	MW-33A 01/23/2014	MW-33A 01/23/2014 Duplicate	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.005	<0.0005	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.054**	**0.051**	0.0023 J	0.0022 J	**0.00782**	**0.00782**	**0.165**	**0.174**	**0.223**	**0.223**	0.00236 J	0.00389 J	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.005	<0.0005	<0.0005	<0.00012	<0.00012	0.000185 J	0.000189 J	0.000214 J	<0.00018	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.075	0.061	<0.0005	<0.0005	0.0022	0.00216	0.109	0.117	0.135	0.134	0.0014 J	0.00224 J	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0013	**<0.0065**	<0.001	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.00022	<0.00022	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.019	0.018 J	<0.0005	<0.0005	<0.00015	<0.00015	0.00639	0.00672	0.23	0.229	<0.00015	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*				<0.0005			<0.00011	<0.00011					<0.0002	<0.0002	<0.0002	
Xylenes (total)	*10*	*10*	0.11	0.092	<0.0015	<0.0015	0.00223 J	0.00229 J	0.172	0.186	0.188	0.19	0.000632 J	0.000872 J	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.000105	**<0.00519**	**<0.00519**	**<0.104**	**<0.106**	<0.000108	<0.000108	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.029 J	0.019 J	<0.00005	<0.00005	0.00623	0.0199	**0.888**	**0.801**	**1.44**	**1.54**	0.0212 J	0.0608 J	<0.0002	<0.00021	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.00005	<0.00005	<0.000124	<0.000124	**<0.00613**	**<0.00613**	**<0.123**	**<0.125**	<0.000127	<0.000127	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	<0.00006	<0.00006	<0.0000762	<0.0000762	**<0.00377**	**<0.00377**	**<0.0755**	**<0.0769**	<0.0000784	<0.0000784	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000762	<0.00377	<0.00377	<0.0755	<0.0769	<0.0000784	<0.0000784	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.03	0.024	0.0015	0.0011	0.00345	0.0149	**0.195**	**0.16**	**0.263 J**	**0.27 J**	0.0216 J	0.0524 J	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.00079	**<0.0392**	**<0.0392**	**<0.783**	**<0.798**	<0.000814	<0.000814	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.00005	<0.000533	<0.000533	<0.0264	<0.0264	**<0.528**	**<0.538**	<0.000549	<0.000549	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.048	0.064	0.019	0.023	0.0279	0.0374 J	0.157	0.151	0.288 J	0.217 J	0.046 J	0.0692 J	0.0005	0.00016	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	0.0003	0.0004	<0.00005	<0.00005	<0.0000571	0.000358 J	<0.00283	<0.00283	<0.0566	<0.0577	0.00041 J	0.000636 J	0.000022 J	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.00082	0.00078	0.0026 J	0.0015 J	0.000748	0.000801	0.0049 J	0.00487 J	<0.0472	<0.0481	0.00132 J	0.00184 J	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	0.0001 J	0.00011 J	0.00043 J	0.00026 J	0.000174 J	0.000211 J	<0.00377	<0.00377	**<0.0755**	**<0.0769**	0.000288 J	0.000318 J	0.000077 J	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	0.00011 J	0.000054 J	<0.0000762	<0.0000762	**<0.00377**	**<0.00377**	**<0.0755**	**<0.0769**	<0.0000784	<0.0000784	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	<0.00005	<0.00005	<0.000124	<0.000124	**<0.00613**	**<0.00613**	**<0.123**	**<0.125**	<0.000127	0.000476 J	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0013 J	0.00084 J	0.00014 J	0.00022	<0.000352	<0.000352	**<0.0175**	**<0.0175**	**<0.349**	**<0.356**	0.000363 J	0.000363 J	<0.000037	<0.000044	<0.000037	<0.000037
Chrysene	*0.91*	*2*	0.000061 J	<0.00005	0.00033 J	0.00016 J	0.000114 J	0.000106 J	<0.00377	<0.00377	<0.0755	<0.0769	0.000168 J	0.000178 J	<0.000021	<0.000021	0.000047 J	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.019 J	0.026 J	0.0049	0.0061	0.00262	0.00699	0.0728	0.0717	**0.148 J**	**0.108 J**	0.0164 J	0.0334 J	0.000042 J	<0.00002	<0.00002	0.000036 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.000105	<0.00519	<0.00519	<0.104	<0.106	<0.000108	<0.000108	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0012	0.0011	0.0036 J	0.0026 J	0.00212	0.0025	0.00385 J	0.00435 J	0.0703 J	<0.0673	0.00395	0.00426	0.0006	0.00034	0.00052	0.00052
Fluorene	*0.98*	*2.9*	0.015	0.019	0.0056	0.0073	0.00641	0.00994	0.0668	0.0623	0.145 J	0.0939 J	0.0146 J	0.0224 J	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	**0.96 J**	**1.6 J**	0.017	0.021	0.112	0.382 J	**4.98**	**4.07**	**5.82**	**5.3**	0.489 J	**1.02 J**	<0.00033	<0.00035	<0.00002	0.00013
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.000105	<0.00519	<0.00519	**<0.104**	**<0.106**	0.000108 J	0.00936 J	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0000952	<0.00472	<0.00472	<0.0943	<0.0962	<0.000098	<0.000098	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.00005	<0.00005	<0.000581	<0.000581	**<0.0288**	**<0.0288**	**<0.575**	**<0.587**	<0.000598	<0.000598	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.0038	0.0032	0.0058 J	0.0026 J	0.000488	0.000987	0.0232 J	0.0236	0.18 J	0.135 J	0.00427 J	0.00736 J	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000381	<0.0000381	<0.00189	<0.00189	0.203 J	0.108 J	<0.0000392	<0.0000392	<0.0002	<0.00025	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.0021	0.0022	0.0035	0.0032	0.00283	0.00336	<0.00519	<0.00519	<0.104	<0.106	0.0043	0.00471	0.00028	0.000041 J	0.00057	0.00062
Metals																		
Arsenic	*0.01*	*0.01*													**0.0197**	**0.0202**	**0.0186**	**0.0201**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-33A 06/05/2018	MW-33A 06/05/2018 Duplicate	MW-33A 01/22/2019	MW-33A 01/22/2019 Duplicate	MW-33A 07/17/2019	MW-33A 07/17/2019 Duplicate	MW-33A 01/20/2020	MW-33A 01/20/2020 Duplicate	MW-33A 07/28/2020	MW-33A 07/28/2020 Duplicate	MW-33A 08/18/2020	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
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
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
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
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
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
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
Vinyl chloride	*0.002*	*0.002*							<0.0002	<0.0002								
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003			<0.0003	<0.0003	<0.0003	<0.0003
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	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004			<0.00004	<0.000041	<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	<0.00006	<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	<0.000043	<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	<0.000022	<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	<0.000063	<0.000095			<0.000019	<0.00002	<0.000019	<0.000064	<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	<0.000021	<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	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.00018 J	0.00097 J	<0.000027	<0.000027	0.000098 J	<0.000027	0.00073 J	0.0011 J			<0.000027	<0.000028	<0.000027	<0.00045	<0.000027 J	0.00028 J
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000049 J	0.000038 J			<0.000015	<0.000015	<0.000015	0.000021 J	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.000021 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000057 J	0.000044 J			<0.000014	<0.000014	<0.000014	<0.000025	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	0.000077 J	0.000091 J	<0.00005	0.000062 J	<0.00005	<0.00005	0.00012	0.00012			0.00011	0.00014	<0.00005	0.000065 J	0.00013	0.00013
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000066 J	0.000072 J			<0.00002	<0.000021	<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	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000078 J	0.00014 J	<0.000037	<0.000037	<0.00022	<0.000084	<0.000037	<0.000037			<0.000037	<0.000038	<0.000037	<0.000037	0.00011 J	0.00011 J
Chrysene	*0.91*	*2*	0.00005 J	0.000061 J	0.000025 J	0.000034 J	<0.000021	<0.000021	0.000078 J	0.000093 J			<0.000021	<0.000022	<0.000021	0.000029	0.000084	0.000081
Dibenzofuran	*0.098*	*0.29*	0.00002 J	0.000038 J	<0.00002	<0.00002	<0.00002	<0.00002	0.000096 J	0.000067 J			<0.00002	<0.000021	<0.00002	<0.00009	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000039 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002			<0.00002	<0.000021	<0.00002	<0.000029	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00045 J	0.0006 J	0.00033	0.00044	0.00016	0.00017	0.00035 J	0.00057 J			0.00067	0.00097	<0.00001	0.000075 J	0.0011	0.0011
Fluorene	*0.98*	*2.9*	0.000059 J	0.00017	<0.00003	<0.00003	<0.00003	<0.00003	0.000059 J	0.000072 J			<0.00003	<0.000031	<0.00003	<0.00013	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00019	<0.00002	<0.00002	<0.00002	<0.000076	<0.000096	<0.0005	<0.00066			<0.00002	<0.000021	<0.0002	<0.00014	<0.0002	<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	<0.000025	<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	<0.000026	<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	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.000085 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000056	<0.000046			<0.000021	<0.000022	<0.000021	<0.000047	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	0.00011 J	0.000053 J	<0.000035	<0.000035			<0.000035	<0.000036	0.000087 J	<0.000035	<0.000035	0.000064 J
Pyrene	*0.73*	*2.2*	0.00073	0.001	0.00015	0.00034	0.00028	0.00069	<0.00019	0.00052 J			0.0011	0.0015	<0.000019	<0.000019	0.0022	0.0022
Metals																		
Arsenic	*0.01*	*0.01*	0.00573	0.00584	0.01	0.00995	**0.0155**	**0.0147**	0.0081	0.00755	0.00119 J	0.00125 J			0.00313	0.0035	0.00464	0.00386

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-33A 01/25/2022	MW-33A 01/25/2022 Duplicate	MW-33A 07/21/2022	MW-33A 07/21/2022 Duplicate	MW-33A 01/10/2023	MW-33A 01/10/2023 Duplicate	MW-33A 07/20/2023	MW-33A 07/20/2023 Duplicate	MW-34C 01/29/2008 DNAPL	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
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	0.001 J	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.0287**	0.0014 J	0.000154 J	<0.0002	<0.0002	<0.0002	<0.0002	0.0013
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	0.001 J	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0903	0.0039 J	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	0.00098 J
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	0.0013 J	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0832	0.0041 J	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	0.00086 J
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	0.25	0.0077 J	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	0.0007 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	**<0.002**	0.00005 J	<0.000108	<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	0.000049 J	<0.0059	0.00022 J	<0.000304	<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	**<0.004**	0.00005 J	<0.000127	<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	**<0.004**	0.00006 J	<0.0000784	0.0001 J	<0.000042	<0.000042	<0.000042	
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0079	0.00005 J	<0.0000784	<0.000021	<0.000021	<0.000021	<0.000021	
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	0.0002 J	<0.000019 J	<0.000019	<0.000019	**0.437**	0.00011 J	0.000255 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000079
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	**<0.004**	0.00008 J	<0.000814	<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	<0.005	0.00005 J	<0.000549	<0.000047	<0.000047	<0.000047	<0.000047	
Acenaphthene	*1.5*	*4.4*	0.00016 J	0.00037 J	<0.000027	<0.000027	0.00038 J	0.0001 J	<0.000027	<0.000027	0.365	0.00005 J	<0.0000784	<0.000027	<0.000027	<0.000027	0.000029 J	
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0059	0.00005 J	<0.0000588	<0.000015	<0.000015	<0.000015	<0.000015	
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	0.000025 J	<0.000014 J	<0.000014	<0.000014	0.0712	0.00005 J	<0.000049	<0.000014	<0.000014	<0.000014	<0.000014	
Benzo(a)anthracene	*0.0091*	*0.02*	0.0002	0.0002	<0.00005	0.00011	0.000059 J	<0.00005	<0.00005	<0.00005	**0.017**	0.00005 J	<0.0000784	<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	**0.0065**	0.00005 J	<0.0000784	<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	**<0.0079**	0.00005 J	<0.000127	<0.00003	<0.00003	<0.00003	<0.00003	
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.000052 J	**0.0076**	0.00053 J	<0.000799	<0.000037	<0.000037	0.000081 J	<0.000037	
Chrysene	*0.91*	*2*	0.00016	0.00012	<0.000021	0.000098 J	0.000054 J	<0.000021 J	<0.000021	<0.000021	0.0128	0.00005 J	<0.0000784	<0.000021	<0.000021	<0.000021	<0.000021	
Dibenzofuran	*0.098*	*0.29*	0.00014	<0.00002	<0.00002	<0.00002	0.00023 J	<0.00002 J	<0.00002	<0.00002	**0.412**	0.000071 J	<0.0000784	<0.00002	<0.00002	<0.00002	0.000027 J	
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.004	0.00005 J	<0.000108	<0.00002	<0.00002	<0.00002	0.000021 J	
Fluoranthene	*0.98*	*2.9*	0.0022 J	0.0016 J	0.000051 J	0.00047	0.00064 J	0.00021 J	0.00003 J	0.00017 J	0.14	0.00017 J	<0.0000686	<0.00001	<0.00001	<0.00001	0.000014 J	
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	0.00024 J	<0.00003 J	<0.00003	<0.00003	0.228	0.00011 J	<0.0000686	<0.00003	<0.00003	<0.00003	<0.00003	
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00011	0.00013 J	0.00024 J	0.0015 J	0.00017 J	0.000061 J	0.000055 J	**5.87**	0.00043 J	0.00282	<0.00017	<0.00002	<0.00023	<0.00069	
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0079	0.00005 J	<0.000108	<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	<0.005	0.00005 J	<0.000098	<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	**<0.004**	0.00005 J	<0.000598	0.00013 J	<0.000079	<0.000079	<0.000079	
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	0.00017 J	<0.000021 J	<0.000021	<0.000021	0.431	0.0001 J	<0.0000588	<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	<0.004	0.000072 J	<0.0000392	<0.000035	<0.000035	<0.000035	<0.000035	
Pyrene	*0.73*	*2.2*	0.0038 J	0.0028 J	0.000034 J	0.0013	0.00098 J	0.00027 J	<0.000019 J	0.00035 J	0.0853	0.00021 J	<0.000108	<0.000019	<0.000019	<0.000019	<0.000019	
Metals																		
Arsenic	*0.01*	*0.01*	0.00621	0.00599	**0.0109 J**	0.00493 J	0.00837	0.00847	**0.0253 J**	0.00973 J				0.00106 J	0.000801 J	0.000689 J	0.00132 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-34CR 08/18/2020	MW-34CR 01/26/2021	MW-34CR 07/23/2021	MW-34CR 01/11/2022	MW-34CR 07/24/2022	MW-34CR 01/09/2023	MW-34CR 07/24/2023	MW-35A 01/29/2008	MW-35A 07/14/2008	MW-35A 02/03/2009	MW-35A 01/14/2010	MW-35A 06/30/2010	MW-35A 01/27/2011	MW-35A 07/20/2011	MW-35A 02/15/2012	MW-35A 07/18/2012	MW-35A 02/07/2013
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014
Benzene	*0.005*	*0.005*		0.0023	0.0038	<0.0002	<0.0002	<0.0002	<0.0002	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008
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	<0.0005	<0.001	<0.001	<0.0005	<0.00012
Ethylbenzene	*0.7*	*0.7*		0.0014	0.0024	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.0005	0.0015 J	<0.0005	<0.0005	<0.0011	<0.0011	0.0015 J	<0.00011
Methylene chloride	*0.005*	*0.005*		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015
Toluene	*1*	*1*		0.0011	0.023	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*		0.0023	0.0026	<0.0003	<0.0003	<0.0003	<0.0003	<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	0.000026 J	<0.000021	<0.000021	<0.00008	0.00012 J	<0.0001	<0.0001	0.0003	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0003	<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*	<0.000059	<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	<0.00005	<0.00005	<0.000124
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000043	<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	<0.00006	<0.00006	<0.0000762
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0004	<0.00038	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.00023	0.000092 J	<0.000058	<0.000019	<0.000019	<0.0004	<0.00038	<0.00007	0.00061	<0.00007	<0.00007	<0.00005	<0.00005	0.0063	0.000239 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	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079
4-Nitrophenol	*0.049*	*0.15*	<0.000048	<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	<0.00005	<0.00005	<0.000533
Acenaphthene	*1.5*	*4.4*	<0.000028	<0.000027	0.0075	0.000063 J	0.000038 J	<0.000027	<0.000027	0.0176	0.00656	0.0035	0.017	0.0077	0.00069	0.00091	0.00041	0.0072	0.0196
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	0.00011	<0.000015	0.000096 J	<0.000015	<0.000015	<0.0003	<0.00028	<0.00006	0.00011 J	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571
Anthracene	*7.3*	*22*	<0.000014	0.000031 J	0.00094	0.000034 J	0.00014	<0.000014	<0.000014	0.000542	0.00023 J	<0.00007	0.00043	0.00035	<0.00007	<0.00005	<0.00005	0.0013	0.000389 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.000051	<0.00005	0.000057 J	0.000069 J	0.000094 J	<0.00005	<0.00005	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.0003	<0.0000762
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000021 J	<0.00002	0.000067 J	<0.00002	<0.00002	<0.00002	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0004	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000038	<0.000097	0.000062 J	0.000096 J	<0.000037	<0.000037	<0.000037	0.00453	<0.00019	0.00024	<0.00045	<0.00048	0.0004	<0.00099	<0.00013	0.00014 J	<0.000352
Chrysene	*0.91*	*2*	<0.000021	<0.000021	0.000071	0.00014	0.00011	<0.000021	<0.000021	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00027	<0.0000762
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.0066	<0.00002	<0.000046	<0.00002	<0.00002	0.00819	0.00319	0.0014	0.005	0.0026	0.00011 J	0.00013 J	0.00008 J	0.0043	0.000429 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00027	<0.000033	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00046 J	<0.00019	<0.00007	0.000092 J	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000105
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.000022	0.0015	0.000094 J	0.0002	<0.000084	<0.00001	0.0014	0.00105	0.00034	0.0011	0.00048	0.00021	0.00053	0.00007 J	0.0027	0.000109 J
Fluorene	*0.98*	*2.9*	<0.000031	<0.00003	0.0046	0.000058 J	<0.00005	<0.000034	<0.00003	0.00328	0.00161	0.00062	0.0028	0.0014	0.000095 J	0.00012 J	<0.00005	0.0029	<0.0000667
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	0.019	<0.0003	<0.00027	<0.00002	<0.00002	0.0257	0.000704	<0.0001	0.19	0.0017	0.00028	<0.00005	0.00027	0.05	0.00286 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0004	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952
Pentachlorophenol	*0.001*	*0.001*	<0.000081	<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	<0.00005	<0.00005	<0.000581
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.0029	0.000064 J	<0.00014	<0.000021	<0.000021	0.00046 J	<0.00019	<0.00007	0.00039	<0.00007	<0.00007	<0.00005	<0.00005	0.0068	0.000104 J
Phenol	*7.3*	*22*	<0.000036	0.000067 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000381
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.00072	0.0001	0.00021	0.000065 J	<0.000019	0.000967	0.000547	0.00025	0.00092	0.00031	<0.00007	0.00029	<0.00005	0.0016	0.000305 J
Metals																			
Arsenic	*0.01*	*0.01*		<0.0004	0.00121 J	0.00166 J	<0.0004	<0.0004	0.000819 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-35A 01/10/2020	MW-35A 07/22/2020	MW-35A 01/12/2021	MW-35A 07/22/2021	MW-35A 01/27/2022	MW-35A 07/20/2022	MW-35A 01/12/2023	MW-35A 07/18/2023
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00008	0.000367 J	0.00021 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00044 J	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.00012	<0.00018	0.00015 J	<0.0003	0.00042 J	<0.0003	<0.0003	<0.0003	<0.0003	0.00058 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0011
Ethylbenzene	*0.7*	*0.7*	<0.00011	<0.00019	0.000473 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0006 J	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*	<0.00011		<0.00011						<0.0002							
Xylenes (total)	*10*	*10*	0.000309 J	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00032 J	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000108	<0.000104	<0.000106	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000304	<0.000292	<0.000298	<0.00004	<0.00004	<0.00004	0.0021	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000127	<0.000123	<0.000125	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0000784	<0.0000755	<0.0000769	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0000784	<0.0000755	<0.0000769	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.0000686	0.00035 J	0.000151 J	0.0019	0.000092 J	0.00032	0.016	0.00012	<0.000019	0.000092 J	<0.000029	0.00048	0.0007	0.00008 J	<0.000019	0.000073 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000814	<0.000783	<0.000798	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000549	<0.000528	<0.000538	<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*	0.0181 J	0.0551	0.0294	0.0076	0.0064	0.006	0.0039	0.0028	<0.000027	0.0031	0.0018	0.0038	0.0062	0.000095 J	<0.000027	0.0012
Acenaphthylene	*1.5*	*4.4*	<0.0000588	0.000754	<0.0000577	<0.000015	0.000088 J	0.000066 J	0.000068 J	0.000071 J	<0.000015	<0.000015	<0.000015	0.000058	0.00027	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000049	0.00111	0.000601	0.00038	0.00028	0.00022	0.00044	0.00011	<0.000014	0.000099 J	0.000057 J	0.00013	0.00028	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0000784	<0.0000755	<0.0000769	0.000054 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0000784	<0.0000755	<0.0000769	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000127	<0.000123	<0.000125	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000363	<0.000349	<0.000356	0.00011 J	<0.000037	0.00018 J	<0.000037	0.000057 J	0.000061 J	0.00014 J	<0.000037	<0.000037	0.000048 J	0.00007 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.0000784	<0.0000755	<0.0000769	0.00005 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
Dibenzofuran	*0.098*	*0.29*	0.000141 J	0.00177	0.00115	0.0047	0.0011	0.00072	0.0041	0.00039	<0.00002	0.00072	0.00018	0.00098	0.0029	0.00019	0.0001	0.00015
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000108	<0.000838	<0.000106	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000024	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.000365 J	0.000484	0.000782	0.00065	0.00039	0.00024	0.00015	0.00015	<0.00001	0.00028	0.000079 J	0.00025	0.00055	0.00011	0.000073 J	0.000078 J
Fluorene	*0.98*	*2.9*	0.002 J	0.0149	0.0071	0.0024	0.00061	0.00086	0.0022	0.00036	0.000065 J	0.0006	<0.00012	0.00071	0.0021	0.00021	0.00007 J	0.00017
Naphthalene	*0.49*	*1.5*	0.000557 J	0.00968	0.00293	0.13	0.013	0.0075	0.22	0.00083	<0.0002	0.0012	<0.00035	0.011	0.00034	0.000093 J	0.00031	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000108	<0.000104	<0.000106	<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*	<0.000098	<0.0000943	<0.0000962	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000598	<0.000575	<0.000587	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.0000588	<0.000848	0.000449 J	0.0016	0.00028	<0.000021	0.0025	0.000042 J	<0.000021	<0.000021	<0.000053	0.00006 J	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.0000392	<0.0000377	<0.0000385	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000053	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.000252 J	0.000376 J	0.000548	0.00055	0.00026	0.00027	0.00007 J	0.000096 J	<0.000019	0.00024	<0.000019	0.00025	0.00049	0.00013	<0.000019	0.000071 J
Metals																		
Arsenic	*0.01*	*0.01*				**0.0166**	**0.0714**	**0.0189**	**0.0198**	**0.0548**	**0.0219**	**0.0302**	**0.0277**	**0.0284**	**0.0285**	**0.0921**	**0.0115**	**0.0287**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052	<0.00109	<0.005	<0.005	<0.0005	<0.0005	<0.005	<0.001	<0.005	<0.0007	<0.0028	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.0648**	**0.0281**	**0.062**	**0.064**	**0.068**	**0.064**	**0.056**	**0.077**	**0.064**	**0.0662**	**0.0855**	**0.0664**	**0.0539**	**0.078**	**0.088**	**0.044**
Chlorobenzene	*0.1*	*0.1*	<0.00047	<0.0015	<0.005	<0.005	<0.0005	<0.0005	<0.005	<0.001	<0.005	<0.0006	<0.0024	0.000241 J	0.000228 J	0.0009 J	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.176	0.113	0.2	0.2	0.21	0.22	0.17	0.19	0.19	0.225	0.258	0.187	0.176	0.15	0.15	0.12
Methylene chloride	*0.005*	*0.005*	<0.00054	<0.00122	<0.005	<0.005	<0.0005	<0.0005	**<0.0065**	<0.0013	**0.02 J**	<0.00075	**0.0234**	<0.00022	<0.00015	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.00494 J	0.00249 J	0.0057 J	<0.005	0.005	0.0045 J	<0.005	0.0042 J	<0.005	0.00437 J	0.00584 J	0.00429	0.00377	0.0057	0.0041	0.0031
Vinyl chloride	*0.002*	*0.002*											**<0.0022**		<0.00011			
Xylenes (total)	*10*	*10*	0.135	0.0787	0.15	0.15 J	0.17	0.16	0.12	0.13	0.13 J	0.153	0.174	0.132	0.114	0.064	0.066	0.056
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00008	<0.00008	<0.0001	<0.0001	**0.0012**	<0.0001	<0.00005	<0.00005	<0.00005	**<0.105**	**<0.00539**	**<0.106**	<0.00107	<0.00021	<0.00021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00029	<0.0003	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.295	<0.0152	<0.298	<0.00301	<0.0004	<0.0004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00019	<0.0002	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.124**	**<0.00637**	**<0.125**	<0.00126	<0.00059	<0.00058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00019	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	**<0.0762**	**<0.00392**	**<0.0769**	<0.000777	<0.00042	<0.00042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00038	<0.0004	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0762	<0.00392	<0.0769	<0.000777	<0.00021	<0.00021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.464**	0.0561	**0.4**	**0.47**	**0.36**	**0.41**	**0.48**	**0.18**	**0.26**	**0.295 J**	**0.431**	**0.534**	**0.376**	**0.13**	**0.22**	**0.25**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00019	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	**<0.79**	**<0.0407**	**<0.798**	**<0.00806**	<0.0002	0.00078 J	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00024	<0.00025	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	**<0.533**	<0.0275	**<0.538**	<0.00544	<0.00047	<0.00047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.217	0.116	0.17	0.22	0.2	0.19	0.2	0.08	0.15	0.173 J	0.258	0.305 J	0.139	0.094	0.18	0.17
Acenaphthylene	*1.5*	*4.4*	<0.00029	<0.0003	0.00088	0.0013	0.0011	0.0012	0.00097	0.00063 J	0.00078	<0.0571	<0.00294	<0.0577	0.0015 J	<0.00015	0.0014	0.00076
Anthracene	*7.3*	*22*	0.0129	0.00842	0.0056	0.008	0.015	0.014	0.016	0.0048 J	0.0064	<0.0476	0.0202 J	<0.0481	0.0111	0.011	0.014	0.0072
Benzo(a)anthracene	*0.0091*	*0.02*	0.00044 J	0.0003 J	0.00017 J	0.00032	0.00022	0.00031	0.00021	0.00011 J	0.0002	**<0.0762**	<0.00392	**<0.0769**	<0.000777	<0.00051	<0.0005	0.000075 J
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00019	<0.0002	<0.00008	0.00014 J	0.00012 J	0.00014 J	0.000069 J	<0.00005	<0.00005	**<0.0762**	**<0.00392**	**<0.0769**	**<0.000777**	<0.0002	<0.0002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00038	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.124**	**<0.00637**	**<0.125**	**<0.00126**	<0.0003	<0.0003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**0.0198**	<0.0002	0.00052	<0.00029	<0.00097	0.00041	<0.00056	<0.00088	0.00018 J	**<0.352**	**<0.0181**	**<0.356**	<0.00359	<0.00037	<0.00037	<0.000037
Chrysene	*0.91*	*2*	0.00033 J	0.00022 J	0.00015 J	0.00028	0.00017 J	0.00037	0.00025	0.0001 J	0.00023	<0.0762	<0.00392	<0.0769	<0.000777	0.00051 J	<0.00021	0.000086 J
Dibenzofuran	*0.098*	*0.29*	**0.198**	**0.104**	**0.16**	**0.23**	**0.22**	**0.2**	**0.21**	0.097	**0.14**	**0.161 J**	**0.252**	**0.256 J**	**0.138**	**0.13**	**0.22**	**0.18**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00019	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.105	<0.00539	<0.106	<0.00107	<0.0002	<0.0002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00698	0.00624	0.0031	0.0053	0.006	0.0065	0.0056	0.0026 J	0.0039	<0.0667	0.00756 J	0.0698 J	0.00692	0.0081	0.0098	0.0031
Fluorene	*0.98*	*2.9*	0.0912	0.0685	0.063	0.092	0.11	0.09	0.097	0.048	0.069	<0.0667	0.138	0.167 J	0.076	0.057	0.092	0.095
Naphthalene	*0.49*	*1.5*	**9.3**	0.365	**12**	**14**	**11**	**4.8**	**12**	**7.4**	**7.6**	**8.83**	**14.1**	**13.1**	**9.36**	**5**	**13**	**15**
Nitrobenzene	*0.049*	*0.15*	<0.00038	<0.0004	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.105**	<0.00539	**<0.106**	<0.00107	<0.00024	<0.00024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00024	<0.00025	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0952	<0.0049	<0.0962	<0.000971	<0.00025	<0.00025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00019	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**<0.581**	**<0.0299**	**<0.587**	**<0.00592**	<0.0008	<0.00079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.1	0.0782	0.061	0.086	0.12	0.078	0.12	0.052	0.066	0.0936 J	0.142	0.27 J	0.0891	0.088	0.18	0.11
Phenol	*7.3*	*22*	<0.00019	0.00059	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00014 J	<0.0381	<0.00196	0.129 J	<0.000388	<0.00035	<0.00035	<0.000035
Pyrene	*0.73*	*2.2*	0.00411	0.0026	0.0017	0.0027	0.0025	0.0032	0.0027	0.0016 J	0.0019	<0.105	<0.00539	<0.106	0.00327 J	0.0057	0.0053	0.0018
Metals																		
Arsenic	*0.01*	*0.01*														0.00465	0.00595	**0.0116**

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-35B 07/20/2022	MW-35B 01/12/2023	MW-35B 07/18/2023	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
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	0.0026	<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005
Benzene	*0.005*	*0.005*	0.0033	0.0045	**0.025 J**	**0.016 J**	**0.045**	**0.046**	**0.076**	**0.069**	**0.089**	**0.056**	**0.097**	<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	<0.0003	<0.0003	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	*0.7*	*0.7*	0.0094	0.014	0.096	0.083	0.056	0.05	0.012	0.013	0.0034	0.0012	0.0018	<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	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	*1*	*1*	<0.0002	0.00054 J	<0.0002	<0.0002	0.0025	0.0021	0.0025	0.0016	0.0017	<0.0002	0.0014	<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl chloride	*0.002*	*0.002*			<0.0002	<0.0002													
Xylenes (total)	*10*	*10*	0.004	0.0062	0.058 J	0.041 J	0.042	0.035	0.011	0.012	0.013	0.0083	0.011	<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	<0.000021	<0.000021	<0.000021	**0.0013**	<0.000021	<0.00021	<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	<0.00004	0.00021	<0.00004	<0.00004	<0.00004	<0.0004	<0.00004	<0.00004	<0.00004	<0.0003	<0.00029	<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	<0.00058	<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	<0.000042	<0.000042	<0.00042	<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	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.0004	<0.00039	<0.00012	<0.0001	<0.0001	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	0.011	0.041	**0.14 J**	0.062 J	0.068	**0.16**	0.018	0.022	0.075	0.031	0.03	<0.0004	<0.00039	<0.00007	0.0003	0.00023	<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	<0.0002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<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	<0.000047	<0.000047	<0.00025	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	0.013	0.029	0.059 J	0.033 J	0.044	0.094	0.052	0.027	0.075	0.029	0.034	<0.0003	<0.00029	<0.00009	0.00036	<0.00009	<0.00009
Acenaphthylene	*1.5*	*4.4*	0.00018	0.00022	0.00038	0.00027	0.00034	0.00052	0.00066	<0.00015	0.00048	<0.000015	<0.000015	<0.0003	<0.00029	<0.00006	<0.00007	<0.00007	<0.00007
Anthracene	*7.3*	*22*	0.0011	0.0022	0.0029 J	0.0018 J	0.0044	0.0063	0.0044	0.004	0.014	0.003	0.0037	0.00065	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007
Benzo(a)anthracene	*0.0091*	*0.02*	0.000077 J	0.000083 J	<0.00005	<0.00005	0.00013	0.000092 J	0.00014	<0.0005	0.00061	<0.00005	<0.00005	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	0.000058 J	0.000053 J	<0.00002	<0.00002	0.000058 J	0.000024 J	0.000055 J	<0.0002	0.00019	<0.00002	0.000034 J	<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	<0.0003	<0.00003	<0.00003	<0.00003	<0.0004	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00014	0.00012 J	<0.000037	<0.000037	<0.000037	0.0001 J	<0.000037	<0.00037	0.00012 J	<0.000037	<0.000037	0.00061 J	<0.0002	0.00045	<0.00033	<0.00061	<0.00048
Chrysene	*0.91*	*2*	0.000098 J	0.000091 J	<0.000021	<0.000021	0.00013	0.000086	0.00013	<0.00021	0.00057	<0.000021	0.00013	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007
Dibenzofuran	*0.098*	*0.29*	0.015	0.029	0.054 J	0.031 J	0.054	0.096	0.063	0.031	0.093	0.033	0.039	0.00049 J	<0.00029	<0.00008	0.0003	<0.00008	<0.00008
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000053	0.00023	<0.0002	<0.00002	0.00015 J	<0.00002	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007
Fluoranthene	*0.98*	*2.9*	0.0013	0.0017	0.0015 J	0.00093 J	0.0029	0.0034	0.0042	0.0032	0.0099	0.0025	0.0038	0.000526	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007
Fluorene	*0.98*	*2.9*	0.0066	0.014	0.028 J	0.015 J	0.028	0.054	0.036	0.017	0.051	0.017	0.022	0.00028 J	<0.0002	<0.00007	0.00024	<0.00007	<0.00007
Naphthalene	*0.49*	*1.5*	0.079	**1.1**	**2 J**	0.13 J	**2.1**	**0.9**	0.0061	0.014	0.0051	0.0014	0.00095	0.00119	<0.00039	0.0006	0.0013	0.0023	<0.0001
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	<0.0004	<0.00039	<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	<0.000025	<0.000025	<0.00025	<0.00024	<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	<0.000079	<0.000079	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	0.0086	0.019	0.024 J	0.013 J	0.042	0.075	0.042	0.029	0.098	0.031	0.037	0.000727	<0.0002	<0.00007	0.00039	<0.00007	<0.00007
Phenol	*7.3*	*22*	<0.000035	0.00017 J	<0.000035	<0.000035	<0.000035	<0.000035	0.00024	<0.00035	<0.000035	<0.000035	<0.000035	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00007
Pyrene	*0.73*	*2.2*	0.00075	0.00079	0.0007 J	0.00045 J	0.0014	0.0018	0.002	0.0017	0.0057	0.0011	0.0017	0.000531	<0.0002	0.00015 J	0.00021	<0.00007	<0.00007
Metals																			
Arsenic	*0.01*	*0.01*	0.00862	0.0012 J	**0.012**	**0.0159**	0.00758	**0.017**	0.00433	0.00303	0.00379	0.00451	0.00329						

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
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*	<0.001	<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	<0.000104	<0.000104	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021		<0.000022	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.00005	<0.00005	<0.000292	<0.000292	<0.000292	<0.000301	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.000052		<0.000042	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.00005	<0.000123	<0.000123	<0.000123	<0.000126	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058		<0.00006	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000755	<0.0000755	<0.0000777	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042		<0.000044	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000755	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021		<0.000022	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00005	<0.00005	<0.00005	<0.000066	<0.000066	<0.000066	<0.000177	<0.000019	0.000022 J	<0.000019	<0.000019	<0.000019	<0.000019		<0.00002	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.000783	<0.000783	<0.000783	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002		<0.000021	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.000528	<0.000528	<0.000528	<0.000544	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047		<0.000049	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000867	<0.0000777	<0.000028	0.00059	<0.000027	<0.000027	<0.000027	<0.000027		<0.000028	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000566	<0.0000566	<0.0000583	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015		<0.000016	<0.000015
Anthracene	*7.3*	*22*	<0.00005	<0.00005	<0.00005	<0.0000472	<0.0000472	<0.0000472	<0.0000485	<0.000014	0.000066 J	<0.000014	<0.000014	<0.000014	<0.000014		<0.000015	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000755	<0.0000777	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005		<0.000052	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000755	<0.0000777	<0.00002	0.000064 J	0.00003 J	<0.00002	<0.00002	<0.00002		<0.000021	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	<0.00005	<0.000123	<0.000123	<0.000123	<0.000126	<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*	<0.0004	0.0025	<0.0001	<0.000349	<0.000349	<0.000349	<0.000359	0.000089 J	0.00015 J	0.0001 J	<0.000037	<0.000037	<0.000037		<0.000039	<0.00016
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000755	<0.0000777	<0.000021	<0.000021	0.000027 J	<0.000021	<0.000021	<0.000021		<0.000022	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000755	<0.0000755	<0.0000777	<0.00002	0.00061	<0.00002	<0.00002	<0.00002	<0.00002		<0.000021	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	<0.00005	<0.00005	<0.000104	<0.000391	<0.000104	<0.000107	<0.00002	<0.00002	0.000028 J	<0.00002	<0.00002	<0.00002		<0.000021	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00005	<0.00005	<0.00005	<0.000066	<0.000066	<0.000066	<0.000068	<0.00001	0.00012	0.000033 J	<0.00001	<0.00001	<0.00001		<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00005	<0.00005	<0.00005	<0.000066	<0.000066	<0.000066	<0.000068	<0.000031	0.00034	<0.00003	<0.00003	<0.00003	<0.00003		<0.000031	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00005	<0.00005	0.0003	<0.000211	<0.0000755	<0.0000755	<0.00101	<0.00002	<0.00002	<0.00002	<0.000062	0.00015	<0.00034		<0.000021	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.00005	<0.000104	<0.000104	<0.000104	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024		<0.000025	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000943	<0.0000943	<0.0000971	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025		<0.000026	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.00005	<0.000575	<0.000575	<0.000575	<0.000592	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079		<0.000082	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00005	<0.00005	<0.00005	<0.0000566	<0.0000861	<0.000201	<0.0000583	<0.000021	0.00011	0.000026 J	<0.000021	<0.000021	<0.000021		<0.000022	<0.000021
Phenol	*7.3*	*22*	<0.00005	<0.00005	<0.00005	<0.0000377	<0.0000377	<0.0000377	<0.0000388	<0.000036	<0.000035	<0.000035	<0.000035	<0.00014	<0.000035		<0.000036	<0.00012
Pyrene	*0.73*	*2.2*	<0.00005	<0.00005	<0.00005	<0.000104	<0.000104	0.000155 J	<0.000107	<0.000019	0.000076 J	0.000032 J	<0.000019	<0.000019	<0.000019		<0.00002	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*								0.00108 J	0.00753	0.00117 J	0.00107 J	0.00244	0.00354	**0.0112**		0.00132 J

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-36A 07/21/2021	MW-36A 01/25/2022	MW-36A 07/27/2022	MW-36A 02/01/2023	MW-36A 07/20/2023	MW-36D 07/15/2010	MW-36D 01/26/2011	MW-36D 07/27/2011	MW-36D 02/14/2012	MW-36D 07/23/2012	MW-36D 07/23/2012 Duplicate	MW-36D 02/11/2013	MW-36D 08/05/2013	MW-36D 01/21/2014	MW-36D 08/28/2014	MW-36D 02/07/2018	MW-36D 03/26/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	0.00071 J	<0.001	<0.001	<0.0005	<0.0005	<0.00008	<0.00008	<0.0002	0.0000895 J	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.00012	0.00013 J	<0.00018	<0.00012	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.0005	<0.00011	0.000127 J	<0.00019	<0.00011	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.00015	<0.00015	<0.00017	0.00675	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	<0.000104	<0.000109	<0.00021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00008 J	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.000295	<0.00031	<0.000292	<0.000307	<0.0004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	0.00009 J	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	<0.000123	<0.000129	<0.00058	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.00006	<0.0000762	<0.00008	<0.0000755	<0.0000792	<0.00042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000755	<0.0000792	<0.00021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.000023 J	<0.000019	<0.000019	<0.00007	0.00013 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000667	<0.00007	0.000189 J	<0.0000693	<0.00019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.00083	<0.000783	<0.000822	<0.0002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.000533	<0.00056	<0.000528	<0.000554	<0.00047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	0.00014 J	<0.0000792	0.00056 J	0.002
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000571	<0.00006	<0.0000566	<0.0000594	<0.00015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.000016 J	<0.000014	<0.000014	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000476	<0.00005	0.000105 J	0.000224 J	<0.00014	0.00016
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000755	0.000213 J	<0.0005	0.00024
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000755	0.000192 J	<0.0002	**0.0003**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	<0.000123	<0.000129	<0.0003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	0.000068 J	<0.000037	0.005 J	0.00097	0.0012	<0.0012	<0.00035	<0.00059	<0.000352	<0.00037	<0.000349	0.00128	<0.00037	0.00054
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00007	<0.00007	<0.00005	0.000078 J	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000755	0.000347 J	<0.00021	0.00031
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.00003 J	<0.00002	<0.00002	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	0.00017 J	<0.0000792	<0.0002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00007	<0.00007	0.00032	0.000052 J	<0.00005	<0.00005	<0.000105	<0.00011	<0.000104	<0.000109	<0.0002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.000023 J	<0.00001	<0.00001	<0.00007	<0.00007	0.000068 J	0.00013 J	0.000054 J	0.000093 J	<0.0000667	<0.00007	0.000216 J	0.00111	<0.0001	0.00094
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000667	<0.00007	0.000147 J	0.0001 J	<0.0003	0.00086
Naphthalene	*0.49*	*1.5*	<0.00063	<0.00002	0.000054 J	0.000087 J	0.000028 J	<0.0001	0.00083	0.000061 J	<0.000072	<0.00014	<0.00015	<0.0000762	<0.00008	0.0011 J	0.0000923 J	<0.0002	0.00015
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	<0.000104	<0.000109	<0.00024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0001	<0.0000943	<0.000099	<0.00025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.000581	<0.00061	<0.000575	<0.000604	<0.00079	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.000052 J	<0.000021	<0.000021	<0.00007	<0.00007	0.000072 J	0.000069 J	<0.00005	0.00014 J	<0.0000571	<0.00006	0.000665	0.00102	<0.00021	0.00037
Phenol	*7.3*	*22*	0.00014 J	<0.000035	<0.000035	<0.000035	<0.000035	0.00065	<0.00007	0.000056 J	0.00023	<0.00005	<0.00005	<0.0000381	<0.00004	<0.0000377	0.00194	<0.00035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	0.000025 J	<0.000019	<0.000019	<0.00007	<0.00007	0.000053 J	0.000087 J	<0.00005	<0.00005	<0.000105	<0.00011	0.000159 J	0.000881	<0.00019	0.00062
Metals																			
Arsenic	*0.01*	*0.01*	0.00492	0.000915 J	0.000964 J	0.00134 J	0.0029											0.000773 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-36D 01/26/2022	MW-36D 07/27/2022	MW-36D 02/02/2023	MW-36D 07/14/2023	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
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	<0.00052	<0.00109	<0.00052	<0.0005	<0.0005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00025	<0.00025	<0.00112	<0.00025	<0.0005	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	<0.0015	<0.00047	<0.0005	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00142	<0.00025	<0.0005	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.00122	<0.00054	<0.0005	<0.0005
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00041	<0.00138	<0.00041	<0.0005	<0.0005
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00127	<0.00127	<0.00302	<0.00127	<0.001	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.00008	<0.00008	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000077	<0.00004	<0.00004	<0.00004	<0.00004	<0.00029	<0.00029	<0.00029	<0.00028	<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	<0.00019	<0.0002	<0.0002	<0.00019	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00039	<0.00039	<0.00039	<0.00038	<0.00012	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	0.000069 J	0.00084	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00039	<0.00039	<0.00039	<0.00038	0.00044	<0.00007
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.0002	<0.0002	<0.00019	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00024	<0.00024	<0.00024	<0.00024	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	0.000067 J	0.0003	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.00029	<0.00029	<0.00029	<0.00028	<0.00009	0.00024
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	<0.00029	<0.00029	<0.00029	<0.00028	<0.00006	<0.00007
Anthracene	*7.3*	*22*	0.000037 J	<0.000014	0.000017 J	<0.000033	0.000066 J	0.000022 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007
Benzo(a)anthracene	*0.0091*	*0.02*	0.00019	<0.00005	0.000053 J	<0.00005	0.000052 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.00024**	0.000027 J	0.000087 J	<0.00002	0.000056 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.0002	<0.0002	<0.00019	<0.00008	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00039	<0.00039	<0.00039	<0.00038	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.0005	0.000055 J	0.00008 J	<0.000037	0.0001 J	<0.00016	0.00037	0.000068 J	<0.000037	<0.000037	<0.000037	0.00078 J	**0.0145**	0.00022 J	0.00105 J	0.00042	<0.00049
Chrysene	*0.91*	*2*	0.00026	0.000031 J	0.000058 J	<0.000021	<0.000062	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	0.00008 J	0.0004	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00029	<0.00029	<0.00029	<0.00028	<0.00008	<0.00008
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	0.000062 J	<0.000026	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007
Fluoranthene	*0.98*	*2.9*	0.00039	0.000048 J	0.00011	<0.00001	0.00014	<0.000027	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	0.00012 J
Fluorene	*0.98*	*2.9*	0.00003 J	<0.00003	<0.00003	<0.00003	0.000081 J	0.0002	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007
Naphthalene	*0.49*	*1.5*	0.000045 J	<0.00002	<0.00002	<0.000033	0.00047	0.0046	<0.00019	<0.00002	<0.00002	0.000039 J	<0.00002	<0.00039	<0.00039	<0.00039	<0.00038	0.006	<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	<0.00039	<0.00039	<0.00039	<0.00038	<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	<0.00024	<0.00024	<0.00024	<0.00024	<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	<0.00019	<0.0002	<0.0002	<0.00019	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	0.00028	<0.000021	0.000066 J	<0.000047	0.00026	0.00022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00029	<0.000065	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	<0.00007
Pyrene	*0.73*	*2.2*	0.00036	0.000042 J	0.000099 J	<0.000019	<0.0001	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.0002	<0.0002	<0.00019	<0.00007	0.0001 J
Metals																			
Arsenic	*0.01*	*0.01*	<0.0004	0.000417 J	<0.0004	0.000533 J	<0.0004	0.00212	0.00234	0.00615	0.000425 J	0.000986 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.0005	<0.001		<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	0.00031 J	<0.0002
Benzene	*0.005*	*0.005*	<0.0005	<0.0005	<0.001		<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.0005	<0.001		<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.0005	<0.0011		<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0005	<0.0005	<0.0013		<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0005	<0.0005	<0.001		<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*								<0.00011		<0.00011						
Xylenes (total)	*10*	*10*	<0.001	<0.001	<0.0031		<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.0001	<0.00005		<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00008	<0.00005		<0.00005	<0.00005	<0.000295	<0.000292	<0.000295	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00009	<0.00005		<0.00005	<0.00005	<0.000124	<0.000123	<0.000124	<0.000126	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	<0.00007	<0.00006		<0.00006	<0.00006	<0.0000762	<0.0000755	<0.0000762	<0.0000777	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0001	<0.0001	<0.00005		<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.00016 J	0.000085 J	<0.00005		<0.00005	<0.00031	<0.0000667	0.000115 J	<0.0000667	<0.000068	<0.000019	0.00014	<0.000019	0.000055 J	<0.000019	0.00017
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008		<0.00008	<0.00008	<0.00079	<0.000783	<0.00079	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00007	<0.00005		<0.00005	<0.00005	<0.000533	<0.000528	<0.000533	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00009	<0.00009	0.00043		<0.00005	<0.00025	<0.0000762	0.000638	<0.0000762	<0.0000777	<0.000027	0.0039	0.00061	0.014	<0.000027	0.00068
Acenaphthylene	*1.5*	*4.4*	<0.00007	<0.00007	<0.00005		<0.00005	<0.00005	<0.0000571	<0.0000566	<0.0000571	<0.0000583	<0.000015	0.000053 J	<0.000015	0.0002	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00007	0.00023	0.0001 J		<0.00005	<0.00013	0.0000712 J	<0.0000472	0.000103 J	<0.0000816	<0.000014	0.00026	0.00015	0.00017	0.000022 J	0.00015
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	<0.00007	0.00025		<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762	<0.0000777	<0.00005	<0.000051	<0.00005	<0.00005	0.000087 J	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00008	**0.00052**	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	0.00012	0.000032 J
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00005		<0.00005	<0.00005	<0.000124	<0.000123	<0.000124	<0.000126	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00044	0.00064	<0.00094		0.0016	0.00023	<0.000352	<0.000349	<0.000352	<0.000359	<0.000037	<0.000037	0.0001 J	<0.000037	0.000084 J	0.000063 J
Chrysene	*0.91*	*2*	<0.00007	<0.00007	0.00022		<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	0.000092 J	0.00006 J
Dibenzofuran	*0.098*	*0.29*	0.000083 J	<0.00008	<0.00005	0.000055 J	<0.00005	<0.00014	<0.0000762	<0.0000755	<0.0000762	<0.0000777	<0.00002	<0.00002	0.00006 J	0.00014	<0.00002	0.00036
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00007	0.00017 J		<0.00005	0.000052 J	<0.000105	0.000145 J	<0.000105	<0.000107	<0.00002	<0.00002	0.00017 J	0.000068 J	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00007	0.00034	0.00014 J		<0.00005	<0.00017	<0.0000667	0.000164 J	<0.0000667	<0.000068	<0.00001	0.00023	0.000032 J	0.0013	0.00018	0.00018
Fluorene	*0.98*	*2.9*	<0.00007	<0.00007	<0.00005		<0.00005	<0.00015	<0.0000667	<0.000066	<0.0000667	<0.000068	<0.00003	0.0003	0.00016	0.0024	<0.00003	0.00029
Naphthalene	*0.49*	*1.5*	<0.0001	0.00059	<0.00026		<0.00005	<0.001	<0.0000762	0.00192 J	<0.000146	<0.0000777	<0.00002	<0.00002	0.00071	0.00015	0.000068 J	0.0011
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00005		<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00009	<0.00005		<0.00005	<0.00005	<0.0000952	<0.0000943	<0.0000952	<0.0000971	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	0.00011 J
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00008	0.000067 J		<0.00005	<0.00005	<0.000581	<0.000575	<0.000581	<0.000592	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00007	0.0001 J	<0.00005		0.00011 J	<0.00032	<0.0000571	<0.0000566	<0.0000571	<0.0000583	<0.000021	0.00033	<0.000021	0.00058	0.0001	0.00039
Phenol	*7.3*	*22*	<0.00007	<0.00007	<0.00005		<0.00005	<0.00005	<0.0000381	<0.0000377	<0.0000381	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00007	0.00021	0.00018 J		<0.00005	<0.00016	<0.000105	0.000176 J	<0.000105	<0.000107	<0.000019	0.00021	0.000056 J	0.0011	0.00014	0.00014
Metals																		
Arsenic	*0.01*	*0.01*											<0.0004	**0.0138**	**0.0124**	**0.0186**	<0.0004	**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.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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-38A 01/26/2023	MW-38A 07/20/2023	MW-38B 01/29/2008	MW-38B 07/14/2008	MW-38B 02/03/2009	MW-38B 01/14/2010	MW-38B 06/29/2010	MW-38B 01/25/2011	MW-38B 07/18/2011	MW-38B 02/15/2012	MW-38B 07/18/2012
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	<0.00109	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00025	<0.00112	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00142	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00122	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00138	<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	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00127	<0.00302	<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	<0.000022	<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	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0003	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.0002	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0004	<0.00038	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.00044	0.000058 J	<0.000019	<0.0004	<0.00038	0.00037	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.0003
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00025	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	0.000089 J	0.0079	0.0069	<0.000027	0.0015	0.0074	0.0023	<0.0003	<0.00029	0.0001 J	<0.00009	0.00047	<0.00009	<0.00005	0.0001 J	0.00096
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.000056 J	<0.000015	<0.000015	<0.000015	0.00011	<0.000015	<0.0003	<0.00029	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Anthracene	*7.3*	*22*	<0.000014	0.00013	0.000089 J	0.00012	<0.00027	0.000097 J	0.000057 J	<0.0002	0.00026 J	0.00013 J	<0.00007	<0.00007	0.00011 J	0.00013 J	0.00021	<0.00023
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0004	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	0.000072 J
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.00013 J	0.000068 J	0.000069 J	0.00014 J	0.00004 J	<0.000037	0.00103 J	<0.00019	0.00041	<0.00039	<0.00074	<0.0002	<0.001	<0.0001	<0.0001
Chrysene	*0.91*	*2*	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.000086 J	<0.00002	<0.00002	<0.00022	0.0001	<0.00002	<0.0003	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00028
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.000021	0.000029 J	<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*	<0.00001	0.00045	0.00074	<0.00001	<0.00016	0.00021	0.000066 J	<0.0002	<0.00019	<0.00007	<0.00007	0.00017 J	<0.00007	<0.00005	<0.00005	<0.00032
Fluorene	*0.98*	*2.9*	<0.00003	0.00069	0.00055	<0.00003	<0.00043	0.00096	0.00038	<0.0002	<0.00019	<0.00007	<0.00007	0.00015 J	<0.00007	<0.00005	<0.00005	<0.00027
Naphthalene	*0.49*	*1.5*	<0.00002	0.000042 J	<0.00011	0.00018	0.0019	0.000039 J	<0.00002	<0.0004	<0.00038	0.0045	<0.00014	<0.0001	0.00031	<0.00005	0.00037	<0.0015
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0004	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000021	0.000084 J	<0.000021	<0.000021	<0.00038	0.00019	0.000046 J	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00037
Phenol	*7.3*	*22*	<0.000035	<0.000036	<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*	<0.000019	0.00037	0.00067	<0.000019	<0.00014	0.00013	0.000072 J	<0.0002	<0.00019	<0.00007	<0.00007	0.00027	<0.00007	<0.00005	<0.00005	<0.00037
Metals																		
Arsenic	*0.01*	*0.01*	0.00512	**0.0288**	**0.0292**	0.00655	**0.0334**	**0.017**	**0.0185**									

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-38B 01/22/2019	MW-38B 07/18/2019	MW-38B 01/21/2020	MW-38B 07/20/2020	MW-38B 01/13/2021	MW-38B 07/14/2021	MW-38B 01/21/2022	MW-38B 07/26/2022	MW-38B 01/26/2023
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*		<0.00011		<0.00011												
Xylenes (total)	*10*	*10*	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000105	<0.000104	<0.000105	<0.000109	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00025	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000295	<0.000292	<0.000295	<0.000307	<0.000041	<0.00004	<0.00004	<0.00004	0.000056 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000124	<0.000123	<0.000124	<0.000129	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0000762	<0.0000755	<0.0000762	<0.0000792	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0000762	<0.0000755	<0.0000762	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.0000667	<0.000066	0.000137 J	<0.0000992	0.000096 J	<0.000019	<0.000019	<0.000019	0.0003	0.00017	<0.000019	<0.000019	<0.000019	<0.000019	<0.00007	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00079	<0.000783	<0.00079	<0.000822	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000533	<0.000528	<0.000533	<0.000554	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.000226 J	<0.0000755	0.0000786 J	<0.000342	<0.000028	0.000095 J	0.048	<0.000027	0.00012	0.054	<0.000027	0.000027 J	0.00026	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.0000571	<0.0000566	<0.0000571	<0.0000594	<0.000015	<0.000015	0.00036	<0.000015	<0.000015	0.00045	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.000313 J	<0.0000472	0.000141 J	<0.000398	0.000047 J	<0.000014	0.0018	0.0001	0.000037 J	0.0012	<0.000014	<0.000014	0.000036 J	<0.000014	<0.000071	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0000762	<0.0000755	<0.0000762	<0.0000792	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005	0.000055 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0000762	<0.0000755	<0.0000762	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000124	<0.000123	<0.000124	<0.000129	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000352	<0.000349	<0.000352	<0.000366	0.000061 J	0.00012 J	<0.000037	<0.000037	0.00031	<0.000037	<0.000037	0.000067 J	0.000043 J	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.0000762	<0.0000755	<0.0000762	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000057 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.0000762	<0.0000755	0.0000923 J	<0.00041	0.000053 J	<0.00002	0.008	<0.00002	0.00014	0.0054	<0.00002	<0.00002	0.00015	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000105	<0.000104	<0.000105	<0.000109	<0.00002	0.000027 J	<0.00002	<0.00002	<0.00002	0.000036 J	<0.00002	0.000041 J	0.000028 J	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.0000667	<0.000066	0.000101 J	<0.00058	<0.00001	0.000022 J	0.0014	<0.00001	<0.00001	0.0025	<0.00001	0.000016 J	0.000071 J	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.0000667	<0.000066	0.0000778 J	<0.000219	0.000046 J	<0.00003	0.019	<0.00003	0.00006 J	0.015	<0.00003	<0.00003	0.0002	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.0000762	<0.0000755	0.000466 J	<0.0016	0.00084	0.00016	0.00099	<0.00002	0.0026	0.00098	<0.00002	0.000022 J	<0.00022	<0.00002	<0.00016	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000105	<0.000104	<0.000105	<0.000109	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0000952	<0.0000943	<0.0000952	<0.000099	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000581	<0.000575	<0.000581	<0.000604	<0.000081	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.0000571	<0.0000566	0.000304 J	<0.000164	0.000061 J	0.000052 J	<0.000021	<0.000021	0.000079 J	0.00095	<0.000021	0.000027 J	0.000087 J	<0.000021	<0.000032	<0.000021
Phenol	*7.3*	*22*	<0.0000381	<0.0000377	<0.0000381	<0.0000396	<0.000036	<0.000035	<0.000035	<0.000035	0.000056 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000105	<0.000104	<0.000105	0.000472 J	<0.000019	0.000035 J	0.00086	<0.000019	<0.000019	0.0015	<0.000019	<0.000019	0.000046 J	<0.000019	<0.000019	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*					0.000636 J	0.000972 J	**0.0386**	<0.0004	0.000553 J	**0.0173**	0.000612 J	**0.0526**	<0.00353	0.00191 J	0.00692	**0.0162**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-38B 07/19/2023	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	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
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	<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	<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	<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	<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	<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	<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	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	0.000048 J	<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.00106	<0.000107	<0.000021	<0.000021
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 J	<0.00005	<0.000292	<0.000295	<0.00298	<0.000301	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.0002	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	0.00005 J	<0.00005	<0.000123	<0.000124	<0.00125	<0.000126	<0.000058	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	0.00006 J	<0.00006	<0.0000755	<0.0000762	<0.000769	<0.0000777	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.0004	<0.00039	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	0.00005 J	<0.00005	<0.0000755	<0.0000762	<0.000769	<0.0000777	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.0004	<0.00039	<0.00007	<0.00007	<0.00007	0.000086 J	<0.00005	0.00005 J	0.000069 J	<0.000066	<0.0000667	<0.000673	<0.0000708	0.000081 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.0002	<0.00049	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.00079	**<0.00798**	<0.000806	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.00025	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00005 J	<0.00005	<0.000528	<0.000533	<0.00538	<0.000544	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	0.000664	<0.00029	0.00022	0.00014 J	0.0034	0.00039	0.00028	0.0011 J	0.0004	0.000756	0.0007	0.00115 J	<0.0012	0.00093	0.001
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.0003	<0.00029	<0.00006	<0.00007	<0.00007	<0.00007	0.000053 J	0.00005 J	<0.00005	0.00011 J	0.0000676 J	<0.000577	0.0000623 J	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.000036 J	0.00106	0.000619	0.00028	<0.00007	<0.00007	<0.00007	0.0004	<0.00005	0.0001 J	0.000901	0.000774	<0.00101	<0.000615	0.000053 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00005 J	<0.00005	<0.0000755	<0.0000762	<0.000769	<0.0000777	<0.00005	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	**<0.000769**	<0.0000777	<0.00002	<0.00002
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 J	<0.00005	<0.000123	<0.000124	**<0.00125**	<0.000126	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.00119 J	<0.00019	0.00046	0.0007	<0.0002	0.00024	0.00092	<0.00015	<0.00015	<0.000349	<0.000352	<0.00356	<0.000359	0.0018	0.00013 J
Chrysene	*0.91*	*2*	<0.000021	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.000769	<0.0000777	0.000057 J	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.0003	<0.00029	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	0.0004 J	0.000067 J	<0.0000755	<0.0000762	<0.000769	<0.0000823	0.0001	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.000122	<0.00106	<0.000107	0.000082 J	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00213	0.000575	0.0014	<0.00007	0.0019	0.00013 J	0.000079 J	0.0011	0.00036	0.000112 J	0.000418 J	<0.000673	<0.000605	0.00015	0.000075 J
Fluorene	*0.98*	*2.9*	<0.00003	<0.0002	<0.00019	0.00025	0.00021	0.00048	0.00013 J	0.00011 J	0.00032 J	0.00019 J	<0.000066	0.000216 J	<0.000673	<0.000311	0.00011	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	<0.0004	<0.00039	0.00052	0.00018 J	<0.00015	0.00076	<0.00005	0.00034 J	0.00018 J	0.000428 J	<0.0000762	<0.000769	<0.0000777	0.00082	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.0004	<0.00039	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	0.00005 J	<0.00005	<0.000104	<0.000105	<0.00106	0.000853	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.00025	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	0.000054 J	<0.00005	<0.00005	<0.0000943	0.000158 J	<0.000962	<0.0000971	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.0002	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	0.00005 J	<0.00005	<0.000575	<0.000581	**<0.00587**	<0.000592	<0.000079	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	0.00045 J	<0.00019	<0.00007	0.00025	<0.00007	0.00018 J	<0.00005	<0.00005	0.00016 J	<0.0000566	0.0000912 J	<0.000577	<0.0001	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.0002	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000377	<0.0000381	<0.000385	<0.0000388	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	0.00156	0.000956	0.0013	0.00018 J	0.002	<0.00007	0.00017 J	0.0013	0.00052	0.000131 J	0.000655	<0.00106	0.000818	0.00015	0.000074 J
Metals																		
Arsenic	*0.01*	*0.01*	0.00343														**0.0108**	0.00188 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-39B 01/06/2022	MW-39B 07/11/2022	MW-39B 01/10/2023	MW-39B 07/13/2023	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
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	<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	<0.0002	**0.0348**	**0.0269**	**0.026**	**0.028**	**0.026**
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	<0.00047	0.001 J	<0.0005	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	0.00078 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.162	0.116	0.1	0.12	0.12
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	<0.00054	<0.0005	<0.0005	<0.0005
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	0.00038 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0791	0.059	0.05	0.054	0.05
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	0.0031	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.35	0.244	0.2	0.22	0.22
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	**<0.02**	<0.0004	<0.0001	<0.0001	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.071	0.0445	0.011	0.014	0.0044
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	**<0.048**	<0.001	<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	**<0.048**	<0.001	<0.00007	<0.00007	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	0.00009 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.095	<0.002	<0.00012	<0.0001	<0.0001
2-Methylnaphthalene	*0.098*	*0.29*	0.00008 J	<0.000019	<0.000027	0.00021	<0.000067	<0.000019	<0.000019	0.000024 J	0.00037	<0.000019	<0.00013	**0.522**	**4.41**	**0.58**	**0.49**	**0.41**
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	**<0.048**	**<0.0025**	<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	**<0.06**	<0.0012	<0.00007	<0.00007	<0.00007
Acenaphthene	*1.5*	*4.4*	0.00054	0.00062	0.00065	0.0012	0.024	0.0046	0.0018	0.0054	0.0025	0.003	0.0011	0.365	**3.17**	0.35	0.33	0.27
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	0.000021 J	<0.000015	0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.071	<0.0015	0.0027	0.0025	0.0031
Anthracene	*7.3*	*22*	0.0002	0.00016	0.00021	0.00016	0.00063	0.00024	<0.000014	0.00014	0.00013	0.00017	0.000076 J	<0.048	0.0141	0.016	0.0095	0.017
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	<0.00005	**<0.048**	<0.001	0.00028	0.0001 J	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**<0.048**	**<0.001**	0.0002 J	<0.00008	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	**<0.095**	**<0.002**	<0.00009	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00011 J	<0.000037	0.000042 J	<0.000037	<0.000071	0.000096 J	<0.00024	<0.000097	0.000068 J	<0.000037	<0.000037	**<0.048**	<0.001	0.00047	0.0035	<0.0002
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	0.000028 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.048	<0.001	0.00023	0.00011 J	<0.00007
Dibenzofuran	*0.098*	*0.29*	0.000054 J	<0.00002	0.000037 J	0.00019	<0.00011	<0.00002	<0.00002	<0.00002	0.00028	<0.00002	<0.00005	**0.239**	**2.13**	**0.25**	**0.17**	**0.22**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000035 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.048	<0.001	<0.00007	<0.00007	<0.00007
Fluoranthene	*0.98*	*2.9*	0.000053 J	0.000067 J	0.000048 J	0.00023	0.0013	0.00049	0.00012	0.00054	0.00027	0.00035	0.000047 J	<0.048	0.0067	0.0082	0.0067	0.0064
Fluorene	*0.98*	*2.9*	0.000061 J	<0.00003	0.000044 J	0.00032	0.0014	0.0007	0.00019	0.00068	0.0005	0.00058	<0.00024	0.175	0.247	0.2	0.15	0.17
Naphthalene	*0.49*	*1.5*	<0.0013	<0.000092	<0.00041	0.0023	<0.0011	0.000072 J	<0.00002	<0.000085	0.0027	<0.00002	<0.002	**9.34**	**94.2**	**9.7**	**8**	**6.8**
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	**<0.095**	<0.002	<0.00009	<0.00009	<0.00009
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	0.000084 J	<0.000025	<0.000025	<0.000025	<0.000025	<0.06	<0.0012	<0.00009	<0.00009	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**<0.048**	<0.001	<0.00008	<0.00008	<0.00008
Phenanthrene	*0.73*	*2.2*	0.000056 J	0.000039 J	<0.000021	0.00019	<0.000047	0.000039 J	<0.000021	<0.000021	0.00026	<0.000021	<0.000021	0.173	0.177	0.16	0.12	0.15
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	<0.048	<0.001	<0.00007	<0.00007	<0.00007
Pyrene	*0.73*	*2.2*	0.000064 J	0.000052 J	0.000072 J	0.00022	0.00095	0.00053	0.00014	0.00071	0.00026	0.00023	0.000032 J	<0.048	0.0029	0.0043	0.0033	0.0035
Metals																		
Arsenic	*0.01*	*0.01*	0.00178 J	0.00365	0.00144 J	0.00248	**0.0489**	**0.0444**	**0.0155**	**0.0415**	**0.0134**	0.00888	0.00384					

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	**<0.01**	**<0.01**	<0.005	<0.00014	<0.0014	<0.0007	<0.00014	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.019**	**0.016 J**	**0.013 J**	**0.013 J**	**0.0108**	**0.0115**	**0.0109**	**0.0103**	**0.0091**	**0.0066**	**0.014**	**0.0063**	**0.0088**	**0.011**	**0.01**	**0.01**
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.01	<0.01	<0.005	<0.00012	<0.0012	<0.0006	<0.00012	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.13	0.081	0.08	0.082	0.0817	0.0798	0.084	0.0825	0.049	0.039	0.08	0.041	0.082	0.089	0.086	0.11
Methylene chloride	*0.005*	*0.005*	<0.0005	**<0.013**	**<0.013**	**<0.01**	<0.00015	<0.0015	<0.00075	<0.00015	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.045	0.019 J	0.028 J	0.022 J	0.0118	0.0173	0.0147	0.0154	0.0081	0.0049	0.019	0.0048	0.014	0.022	0.016	0.024
Vinyl chloride	*0.002*	*0.002*					<0.00011			<0.00011								
Xylenes (total)	*10*	*10*	0.21	0.12 J	0.13 J	0.14 J	0.116	0.127	0.12	0.126	0.066	0.044	0.11	0.052	0.13	0.16	0.12	0.17
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.00005	<0.00005	<0.00005	**<0.0104**	**<0.00524**	**<0.0212**	<0.00109	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	0.00033 J	0.0034	0.004	0.0039	<0.0292	<0.0148	<0.0596	<0.00307	<0.00004	0.00034	<0.00004	<0.00004	0.0013	0.0013	<0.00004	0.0026
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00005	<0.00005	<0.00005	**<0.0123**	**<0.00619**	**<0.025**	<0.00129	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00007	<0.00006	<0.00006	<0.00006	**<0.00755**	**<0.00381**	**<0.0154**	<0.000792	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.0001	<0.00005	<0.00005	<0.00005	<0.00755	<0.00381	<0.0154	<0.000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	**0.27**	**0.24**	**0.2**	**0.28**	**0.302**	**0.309**	**0.35**	**0.263**	**0.13**	0.056	0.091	0.077	**0.18**	**0.34**	**0.27**	**0.3**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008	**<0.0783**	**<0.0395**	**<0.16**	**<0.00822**	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00005	<0.00005	<0.00005	**<0.0528**	<0.0267	**<0.108**	<0.00554	<0.000047	<0.000047	0.0015	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.25	0.17	0.2	0.23	0.315	0.35	0.402	0.236	0.26	0.16	0.14	0.12	0.21	0.39	0.27	0.37
Acenaphthylene	*1.5*	*4.4*	0.0025	0.0019	0.0022	0.0021	<0.00566	<0.00286	<0.0115	0.00335 J	<0.000015	<0.000015	0.0014	0.00083	0.0021	0.0021	0.0018	0.0034
Anthracene	*7.3*	*22*	0.017	0.0097	0.019	0.007	0.0183 J	0.019 J	0.0247 J	0.0142	0.016	0.0082	0.0087	0.007	0.011	0.04	0.008	0.021
Benzo(a)anthracene	*0.0091*	*0.02*	0.00016 J	<0.00005	0.000095 J	<0.00005	<0.00755	<0.00381	**<0.0154**	<0.000792	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	0.000094 J	0.000069 J	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00005	<0.00005	<0.00005	**<0.00755**	**<0.00381**	**<0.0154**	**<0.000792**	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00005	<0.00005	<0.00005	**<0.0123**	**<0.00619**	**<0.025**	**<0.00129**	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00075	<0.00053	0.00033	<0.00016	**<0.0349**	**<0.0176**	**<0.0712**	<0.00366	0.00038	<0.000037	0.00012 J	0.000079 J	<0.000037	<0.000037	<0.000061	<0.00037
Chrysene	*0.91*	*2*	0.00013 J	<0.00005	0.00011 J	<0.00005	<0.00755	<0.00381	<0.0154	<0.000792	<0.000021	<0.000021	<0.000021	0.000045 J	<0.000021	0.000051 J	0.000051 J	<0.00021
Dibenzofuran	*0.098*	*0.29*	0.092	**0.13**	**0.15**	**0.17**	**0.206**	**0.242**	**0.252**	**0.178**	**0.16**	0.085	0.086	0.069	**0.13**	**0.29**	0.081	**0.24**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00007	<0.00005	<0.00005	<0.00005	<0.0104	<0.00524	<0.0212	<0.00109	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000069	<0.0002
Fluoranthene	*0.98*	*2.9*	0.0068	0.0049	0.0042	0.0031	<0.0066	0.0104 J	<0.0135	0.00562	0.0081	0.0037	0.0034	0.0041	0.0059	0.017	0.0055	0.012
Fluorene	*0.98*	*2.9*	0.093	0.13	0.13	0.15	0.175	0.212	0.217	0.183	0.18	0.096	0.1	0.087	0.13	0.3	0.078	0.24
Naphthalene	*0.49*	*1.5*	**6.1**	**4**	**4.2**	**6**	**6.78**	**7.73**	**6.07**	**4.24**	**1.5**	**0.97**	**1.8**	**1.3**	**3.6**	**7.9**	**2.3**	0.1
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00005	<0.00005	<0.00005	<0.0104	<0.00524	<0.0212	<0.00109	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00009	<0.00005	<0.00005	<0.00005	<0.00943	<0.00476	<0.0192	<0.00099	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.00005	<0.00005	<0.00005	**<0.0575**	**<0.029**	**<0.117**	**<0.00604**	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079
Phenanthrene	*0.73*	*2.2*	0.083	0.11	0.08	0.1	0.137	0.158	0.197	0.111	0.14	0.078	0.1	0.068	0.093	0.22	0.066	0.23
Phenol	*7.3*	*22*	<0.00007	<0.00005	<0.00005	<0.00005	<0.00377	<0.0019	<0.00769	<0.000396	<0.000035	<0.000035	0.00065	<0.000035	0.000053 J	<0.000035	<0.000035	<0.00035
Pyrene	*0.73*	*2.2*	0.0039	0.0021	0.0033	0.0019	<0.0104	<0.00524	<0.0212	0.00242 J	0.0036	0.0019	0.0016	0.002	0.0024	0.0037	0.0026	0.0059
Metals																		
Arsenic	*0.01*	*0.01*									**0.0679**	**0.0606**	**0.0494**	**0.085**	**0.052**	**0.0523**	**0.0442**	**0.0591**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-40B 07/07/2021	MW-40B 01/07/2022	MW-40B 07/11/2022	MW-40B 01/09/2023	MW-40B 07/11/2023	MW-41B 01/31/2008 DNAPL	MW-41B 01/23/2020 DNAPL	MW-41B 07/29/2020	MW-41B 01/28/2021	MW-41B 07/26/2021	MW-41B 01/27/2022	MW-41B 07/24/2022	MW-41B 01/31/2023	MW-41B 07/25/2023	MW-42B 01/30/2008	MW-42B 01/19/2010	MW-42B 07/14/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.002	<0.001	<0.0002	<0.0002	<0.0002	<0.00052	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.0002	<0.0002	<0.00052	<0.0005	<0.001
Benzene	*0.005*	*0.005*	**.0078 J**	**0.0061**	**0.0084**	**0.0063**	**0.0079**	**0.0103**	**0.012**	**0.016**	**0.01**	**0.014**	**0.038**	**0.011**	<0.0002	**0.014**	0.00117 J	<0.0005	<0.001
Chlorobenzene	*0.1*	*0.1*	<0.003	<0.0015	<0.0003	<0.0003	<0.0003	<0.00047	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.0003	<0.0003	<0.00047	<0.0005	<0.001
Ethylbenzene	*0.7*	*0.7*	0.066	0.042	0.08	0.05	0.081	0.0508	0.066	0.052	0.059	0.075	0.056	0.052	0.00087 J	0.082	0.00112 J	<0.0005	<0.0011
Methylene chloride	*0.005*	*0.005*	**<0.01**	<0.005	<0.001	<0.001	<0.001	<0.00054	<0.001	<0.001	<0.001	<0.001	**<0.01**	**<0.01**	<0.001	<0.001	<0.00054	<0.0005	<0.0013
Toluene	*1*	*1*	0.0061 J	0.0016 J	0.015	0.0041	0.013	0.0525	0.087	0.059	0.054	0.097	0.077	0.042	0.00082 J	0.072	0.00181 J	<0.0005	<0.001
Vinyl chloride	*0.002*	*0.002*							<0.0002										
Xylenes (total)	*10*	*10*	0.088	0.036	0.11	0.039	0.1	0.127	0.16	0.12	0.14	0.18	0.14	0.12	0.0021	0.19	0.00377 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	<0.0008	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	**<0.021**	<0.00021	**<0.01**	<0.00008	<0.0001	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	0.0019	<0.00004	<0.00004	<0.00004	<0.00004	0.104	0.043	0.021	0.0034	0.0061	0.23	<0.04	0.0054	<0.02	<0.00029	<0.00008	0.00013 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	**<0.0019**	<0.000058	<0.00058	<0.00058	<0.00058	<0.00058	**<0.058**	<0.00058	**<0.029**	<0.00019	<0.00009	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**<0.0019**	<0.000042	<0.00042	<0.00042	<0.00042	<0.00042	**<0.042**	<0.00042	**<0.021**	<0.00019	<0.00007	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0038	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	<0.021	<0.00021	<0.01	<0.00039	<0.0001	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	**0.22**	**0.14**	**0.099**	0.052	**0.14**	**0.305**	**0.67 J**	0.092	0.058	0.089	**0.31**	**0.88**	**0.35**	**0.37**	<0.00039	<0.00007	<0.00005
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0019	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	**<0.02**	<0.0002	**<0.01**	<0.00019	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.0024	<0.000047	<0.00047	<0.00047	<0.00047	<0.00047	<0.047	<0.00047	<0.024	<0.00024	<0.00007	<0.00005
Acenaphthene	*1.5*	*4.4*	0.25	0.17	0.14	0.067	0.17	0.161	0.49	0.062	0.046	0.047	0.28	0.61	0.27	0.4	<0.00029	0.00021	<0.00024
Acenaphthylene	*1.5*	*4.4*	0.0021	0.00095	0.00099	0.00074	<0.000015	<0.0029	0.0089	0.0017	0.00086 J	0.00094 J	0.0049	<0.015	0.0048	<0.0075	<0.00029	<0.00007	<0.00005
Anthracene	*7.3*	*22*	0.017	0.0082	0.0079	0.0043	0.0056	0.0191	0.045	0.013	0.0059	0.012	0.046	0.13	0.024	0.13	<0.00019	<0.00007	0.00036
Benzo(a)anthracene	*0.0091*	*0.02*	0.000063 J	<0.00005	<0.00005	<0.00005	<0.00005	0.0036	0.004	0.0066	0.0033	0.0032	**0.032**	**<0.05**	**0.019**	**0.063**	<0.00019	<0.00007	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**<0.0019**	**0.0009**	**0.0024**	**0.0011**	**0.00089 J**	**0.0061**	**<0.02**	**0.0017**	**0.015 J**	<0.00019	<0.00008	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	**<0.0038**	<0.00003	<0.0003	<0.0003	<0.0003	<0.0003	**<0.03**	<0.0003	**<0.015**	<0.00039	<0.00009	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00027	<0.000037	0.000077 J	<0.000037	<0.000037	<0.0019	0.00032	0.00089 J	<0.00037	<0.00037	0.0013 J	**<0.037**	0.00075 J	**<0.018**	0.00135 J	0.00028	<0.0008
Chrysene	*0.91*	*2*	0.00006	<0.000021	<0.000021	<0.000021	<0.000021	0.003	0.0033	0.0052	0.003	0.0031	0.033	<0.021	0.016	0.051	<0.00019	<0.00007	<0.00005
Dibenzofuran	*0.098*	*0.29*	**0.16**	**0.1**	0.073	0.043	0.083	**0.142**	**0.39**	0.033	0.039	0.051	**0.24**	**0.55**	**0.21**	**0.35**	0.000699	0.00037	<0.00014
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0019	<0.00002	<0.0002	0.00074 J	<0.0002	<0.0002	<0.02	<0.0002	<0.01	<0.00019	<0.00007	<0.00005
Fluoranthene	*0.98*	*2.9*	0.0091	0.0043	0.0037	0.0027	0.0036	0.027	0.052	0.031	0.019	0.022	0.41	0.35	0.17	0.38	0.000697	0.00059	0.00024
Fluorene	*0.98*	*2.9*	0.17	0.11	0.072	0.048	0.086	0.148	0.35	0.042	0.041	0.048	0.31	0.57	0.23	0.44	<0.00019	0.00016 J	<0.00026
Naphthalene	*0.49*	*1.5*	0	**1.5**	**2.5**	**0.74**	**2.2**	**4.57**	**10**	**2.3**	**0.56**	0.2	**3.7**	**10**	**4.2**	**3**	0.000725	0.00035	<0.00048
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0038	<0.000024	<0.00024	<0.00024	<0.00024	<0.00024	<0.024	<0.00024	<0.012	<0.00039	<0.00009	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0024	<0.000025	<0.00025	<0.00025	<0.00025	<0.00025	<0.025	<0.00025	<0.012	<0.00024	<0.00009	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**<0.0019**	<0.000079	<0.00079	<0.00079	<0.00079	<0.00079	**<0.079**	<0.00079	**<0.04**	<0.00019	<0.00008	<0.00005
Phenanthrene	*0.73*	*2.2*	0.16	0.093	0.067	0.043	0.068	0.161	0.41	0.087	0.046	0.054	0.47	**1**	0.46	**1.1**	<0.00019	<0.00007	<0.00016
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00576	<0.000035	<0.00035	<0.00035	<0.00035	0.24	<0.035	<0.00035	<0.018	<0.00019	<0.00007	<0.00005
Pyrene	*0.73*	*2.2*	0.0037	0.0022	0.0016	0.001	0.0011	0.017	0.029	0.019	0.0093	0.01	0.11	0.19	0.061	0.22	0.000624	0.00035	0.00014 J
Metals																			
Arsenic	*0.01*	*0.01*	**0.0453**	**0.0796**	**0.0499**	**0.0704**	**0.0487**		**0.0842 J**	**0.0801**	**0.0589**	**0.0883**	**0.0379**	**0.056**	**0.0517**	**0.0579**			

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-42B 02/03/2012	MW-42B 07/19/2012	MW-42B 02/05/2013	MW-42B 08/01/2013	MW-42B 01/15/2014	MW-42B 07/18/2014	MW-42B 01/24/2018	MW-42B 03/19/2018	MW-42B 05/16/2018	MW-42B 01/08/2019	MW-42B 07/11/2019	MW-42B 01/13/2020	MW-42B 07/16/2020	MW-42B 01/12/2021	MW-42B 07/07/2021	MW-42B 01/06/2022	MW-42B 07/11/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.0025	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.001	<0.0025	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.0025	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0011	<0.0025	<0.000132	<0.00011	<0.00019	0.000208 J	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0013	**0.0097 J**	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.001	<0.0025	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*			<0.00011			<0.00011											
Xylenes (total)	*10*	*10*	<0.0031	<0.0075	<0.00026	<0.00026	<0.00058	0.000349 J	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000109	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00005	<0.00005	<0.000292	<0.000295	0.000916 J	0.000577	<0.00004	<0.00004	<0.00041	<0.00004	<0.00004	<0.00004	<0.00004	0.000049 J	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000129	<0.000059	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00006	<0.00006	<0.0000755	<0.0000762	<0.0000755	<0.0000792	<0.000042	<0.000042	**0.012**	<0.000042	<0.000042	<0.000042	0.0007	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000025 J	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.000089 J	0.00015 J	0.000196 J	0.000141 J	0.000317 J	<0.0000693	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000069 J	<0.000019	<0.000019	<0.000019	<0.000019	0.000053 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.000783	<0.00079	<0.000783	<0.000822	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00005	<0.00005	<0.000528	<0.000533	<0.000528	<0.000554	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.0017	0.00081	0.00036 J	<0.0000762	0.000355 J	<0.0000792	<0.000027	<0.000027	0.000067 J	<0.000027	0.000068 J	0.00012	<0.000027	0.00023	<0.000027	0.00027	0.00016
Acenaphthylene	*1.5*	*4.4*	<0.00005	<0.00005	<0.0000566	<0.0000571	<0.0000566	<0.0000594	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00005	<0.00005	0.000194 J	0.000122 J	0.000465 J	<0.0000495	0.000025 J	<0.000014	0.000019 J	<0.000014	0.000064 J	0.000049 J	0.000026 J	0.000041 J	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000792	<0.000051	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000792	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000027 J	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000129	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0001	<0.00022	<0.000349	<0.000352	<0.000349	0.000513	0.00025	0.00015 J	0.00021	0.000061 J	0.00015 J	0.00013 J	<0.00015	0.00018 J	0.00034	<0.00014	0.000084 J
Chrysene	*0.91*	*2*	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000792	0.000038 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000022 J	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.00016 J	0.000066 J	0.000217 J	0.000131 J	0.000205 J	<0.0000792	<0.00002	<0.00002	0.000039 J	<0.00002	0.000038 J	0.000065 J	<0.00002	0.000078 J	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00005	0.000062 J	<0.000104	0.000108 J	<0.000104	<0.000109	0.00006 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000026	<0.00004	0.000035 J	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00085	0.00041	0.000641	0.000294 J	0.000339 J	<0.0000693	0.00024	0.00014	0.000016 J	0.00011	0.00004 J	0.00018	<0.000053	0.00026	0.000095 J	0.00024	0.00009 J
Fluorene	*0.98*	*2.9*	0.0005	0.00016 J	<0.000066	0.000134 J	0.000198 J	<0.0000693	<0.00003	<0.00003	0.000047 J	<0.00003	0.000057 J	0.000067 J	<0.00003	<0.00008	<0.00003	0.000032 J	0.000051 J
Naphthalene	*0.49*	*1.5*	<0.00063	0.0019	0.000476	0.00288 J	0.00242 J	0.000426 J	<0.00002	0.00049	<0.00061	<0.00002	<0.00043	<0.00076	<0.000031	<0.00026	<0.00021	<0.00012	0.00044
Nitrobenzene	*0.049*	*0.15*	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000109	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00005	<0.00005	<0.0000943	<0.0000952	<0.0000943	<0.000099	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00005	<0.00005	<0.000575	<0.000581	<0.000575	<0.000604	<0.00008	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.00012 J	<0.00005	0.000356 J	0.000122 J	0.000501	<0.0000594	0.000077 J	<0.000021	0.000039 J	<0.000021	0.000034 J	0.00012	<0.000021	<0.00019	<0.000021	<0.000021	0.00011
Phenol	*7.3*	*22*	<0.00005	<0.00005	<0.0000377	<0.0000381	<0.0000377	0.000801	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.00044	0.00023	0.000369 J	0.000127 J	0.000234 J	<0.000109	0.00023	0.00014	<0.000019	0.0001	0.000033 J	0.00013	0.000059 J	0.00029	0.00012	0.00022	0.000086 J
Metals																			
Arsenic	*0.01*	*0.01*							0.00186 J	0.00108 J	0.00112 J	0.00216	0.0022	0.00133 J	0.00127 J	<0.0029	<0.00178	0.00295	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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-42B 01/09/2023	MW-42B 07/11/2023	MW-44A 01/30/2008	MW-44A 07/14/2008	MW-44A 02/03/2009	MW-44A 01/13/2010	MW-44A 06/30/2010	MW-44A 01/26/2011	MW-44A 07/20/2011	MW-44A 02/15/2012	MW-44A 07/25/2012	MW-44A 02/12/2013	MW-44A 08/05/2013	MW-44A 01/17/2014	MW-44A 08/28/2014	MW-44A 01/31/2018
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	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	**0.00751**	**0.00635**	0.003 J	<0.0005	0.0026 J	<0.0005	0.002 J	0.0042 J	0.0044 J	0.00206	**0.00849**	**0.00727**	0.0042	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	0.00363 J	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	0.000624 J	0.00172	0.00067	0.000344 J	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	0.002 J	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	0.000252 J	<0.000705	0.000418 J	0.000329 J	<0.0002
Vinyl chloride	*0.002*	*0.002*									<0.001	<0.001	<0.0005		<0.00011	<0.00018	<0.00011	<0.0002
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	0.0186	0.006 J	0.0013 J	<0.001	0.0026 J	<0.001	<0.0031	0.0052 J	0.0033 J	0.00469	0.0207	0.00805	0.00561	<0.0003
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	<0.00105	<0.0011	<0.000106	<0.000108	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.0003	<0.00032	<0.00008	<0.00008	<0.00008	0.00081	<0.00005	<0.00005	<0.00005	<0.00295	<0.0031	<0.000298	<0.000304	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.0002	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00124	<0.0013	<0.000125	<0.000127	0.00017 J
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.000762	<0.0008	<0.0000769	<0.0000784	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.0004	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000762	<0.0008	<0.0000769	<0.0000784	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.0244	0.00779	0.00097	0.00012 J	0.004 J	<0.00007	0.0023	0.0048	0.0095 J	<0.000667	**0.109**	0.0106	0.00902	<0.000093
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.0002	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	**<0.0079**	**<0.0083**	<0.000798	<0.000814	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.00025	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00533	<0.0056	<0.000538	<0.000549	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000064	<0.000027	0.127	0.202	0.12	0.13	0.2	0.023	0.23	0.21	0.22	0.07	0.546	0.394	0.197	0.062
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.0003	<0.00032	0.0012	0.00079	0.00096 J	0.0014	0.0013	0.001	0.0013	0.00276 J	<0.0006	<0.0000577	0.0014	0.00078
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.00195	0.00393	0.0046	0.0077	0.0067 J	0.00055	0.0058	0.0068	0.004	<0.000476	0.017	0.017	0.00868	0.00066
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000762	<0.0008	<0.0000769	<0.0000784	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.0002	**<0.00021**	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**<0.000762**	**<0.0008**	<0.0000769	<0.0000784	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.0004	<0.00042	<0.00009	<0.00009	0.00009 J	<0.00009	<0.00005	<0.00005	<0.00005	**<0.00124**	**<0.0013**	<0.000125	0.00014 J	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.000071 J	0.00097 J	<0.00021	0.00043	<0.00031	<0.00028	0.00048	<0.00075	<0.00011	<0.0001	<0.00352	<0.0037	<0.000356	<0.000363	<0.0001
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000762	<0.0008	<0.0000769	<0.0000784	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.0642	**0.125**	0.054	0.0087	0.0043 J	0.00072	0.0014	0.001	0.0031	<0.000762	**0.135**	**0.107**	0.0159	0.00019
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.000072 J	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00105	<0.0011	<0.000106	<0.000108	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00011	<0.00001	0.00269	0.00367	0.0032	0.0056	0.006 J	0.0014	0.0095	0.0094	0.0065	0.00257 J	0.0137	0.0154	0.00749	0.0067
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	0.045	0.0865	0.056	0.069	0.097	0.00027	0.094	0.11	0.091 J	0.00495	0.172	0.178	0.0987	0.024
Naphthalene	*0.49*	*1.5*	<0.00002	0.00025	**0.816**	0.287	0.021	<0.0011	0.16	0.00035	0.042	0.32	0.39	<0.000941	**1.72**	0.235 J	0.0163	<0.00028
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.0004	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00105	<0.0011	<0.000106	0.0012	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.00025	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	0.00065	<0.00005	<0.000952	<0.001	<0.0000962	<0.000098	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.0002	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	**<0.00581**	**<0.0061**	<0.000587	<0.000598	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.0161	0.0184	0.02	0.0055	0.0025 J	<0.00007	0.0047	0.0073	0.0064	<0.000571	0.0416	0.0438	0.0217	0.00012
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.000062 J	<0.000381	<0.0004	<0.0000385	<0.0000392	<0.000035
Pyrene	*0.73*	*2.2*	0.000091 J	<0.000019	0.00159	0.00156	0.0016	0.0032	0.003 J	0.001	0.0046	0.0054	0.0038	0.00139 J	0.00732	0.0083	0.0041	0.0037
Metals																		
Arsenic	*0.01*	*0.01*	0.0046	0.00128 J														**0.0275**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-44A 03/26/2018	MW-44A 06/01/2018	MW-44A 01/22/2019	MW-44A 07/17/2019	MW-44A 01/09/2020	MW-44A 07/22/2020	MW-44A 01/26/2021	MW-44A 07/22/2021	MW-44A 01/25/2022	MW-44A 07/25/2022	MW-44A 02/02/2023	MW-44A 07/24/2023	MW-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
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	<0.001	<0.005	<0.0014	<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	<0.00025	<0.001	<0.005	0.000964 J	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.001	<0.005	0.00293 J	<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	0.0204	<0.0011	0.32	0.233	<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	<0.00054	<0.0013	**<0.01**	<0.0015	<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	0.0117	<0.001	0.16	0.0895	<0.0002
Vinyl chloride	*0.002*	*0.002*	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002											
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0487	<0.0031	0.84	0.688	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00034 J	0.00014 J	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.0002	<0.00005	<0.00075	**<0.529**	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000041	<0.00004	<0.00004	<0.00004	<0.00042	<0.00004	<0.00004	<0.00013	<0.00004	<0.0004	<0.00004	<0.0004	0.00219 J	<0.00005	<0.00075	**<1.49**	0.00011 J
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	<0.00058	<0.000058	<0.00058	<0.00039	<0.00005	<0.00075	**<0.625**	<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	<0.00042	0.00047	<0.00042	<0.00039	<0.00006	<0.0009	**<0.385**	<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	<0.00021	<0.000021	<0.00021	<0.00078	<0.00005	<0.00075	<0.385	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.00035	<0.000019	<0.000019	0.00057	0.00003 J	<0.00019	<0.000019	<0.00019	0.00551	<0.00005	**62**	**1.15 J**	0.00012
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00011 J	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.00039	<0.00008	<0.0012	**<3.99**	<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	<0.00047	<0.000047	<0.00047	<0.00049	<0.00005	<0.00075	**<2.69**	<0.000047
Acenaphthene	*1.5*	*4.4*	0.064	0.09	0.037	0.056	0.064	0.075 J	0.031	0.023	0.07	<0.058	<0.000027	0.045	0.0531	0.00012 J	**31**	0.632 J	0.00045
Acenaphthylene	*1.5*	*4.4*	0.0006	<0.000015	0.00036	0.00028	0.00097	<0.000015	0.00017	0.00018	0.0003	<0.00015	<0.000015	<0.00015	0.00083	0.000097 J	0.29	<0.288	0.00065
Anthracene	*7.3*	*22*	0.0024	0.0022	0.00044	0.00089	0.00027	0.00022 J	0.00015	0.00019	0.00025	<0.00077	<0.000014	<0.00014	0.0131	0.00014 J	**19**	<0.24	0.0086
Benzo(a)anthracene	*0.0091*	*0.02*	<0.000051	<0.00005	<0.00005	0.000085 J	0.000054 J	<0.00005	<0.00005	<0.00005	0.000057 J	<0.0005	<0.00005	<0.0005	0.00327	0.00017 J	**3.5**	**<0.385**	0.0018
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	<0.00002	<0.0002	**<0.00039**	**0.00022**	**0.87**	**<0.385**	**0.00065**
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	<0.0003	<0.00003	<0.0003	<0.00078	<0.00005	<0.00075	**<0.625**	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000038	0.0001 J	<0.000037	<0.00025	<0.000037	<0.000037	<0.000068	<0.000037	<0.000037	<0.00037	<0.000037	<0.00037	0.00235 J	<0.00087	**0.013**	**<1.78**	0.0012
Chrysene	*0.91*	*2*	<0.000021	<0.000021	0.000026 J	0.000052 J	<0.000021	<0.000021	<0.000021	<0.000021	0.000041 J	<0.00021	<0.000021	<0.00021	0.00278	0.00032	**3.3**	<0.385	0.0022
Dibenzofuran	*0.098*	*0.29*	0.00029	<0.00002	<0.00002	<0.00002	<0.00033	<0.00002	<0.00002	0.00015	<0.00002	<0.0013	<0.00002	<0.0002	0.046	<0.00005	**38**	**0.453 J**	0.00034
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00021	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.00039	<0.00005	<0.00075	<0.529	0.0016
Fluoranthene	*0.98*	*2.9*	0.0095	0.012	0.0058	0.0091	0.0059	0.0025 J	0.0022	0.0028	0.0038	<0.0053	<0.00001	0.0037	0.0264	0.00016 J	**28**	<0.337	0.0095
Fluorene	*0.98*	*2.9*	0.03	0.039	0.0097	0.014	0.0078	0.02 J	0.0075	0.0069	0.015	<0.013	<0.00003	0.011	0.0346	<0.00005	**26**	<0.337	0.00067
Naphthalene	*0.49*	*1.5*	0.00036	0.00038	0.00011	<0.00019	<0.003	<0.00016	<0.000091	0.011	<0.00023	<0.00052	<0.00002	<0.0002	<0.00078	<0.00016	**230**	**18 J**	0.000097 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024	<0.00078	<0.00005	<0.00075	**<0.529**	<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	<0.00025	<0.000025	<0.00025	<0.00049	<0.00005	<0.00075	**<0.481**	<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	<0.00079	<0.000079	<0.00079	<0.00039	<0.00005	<0.00075	**<2.93**	<0.000079
Phenanthrene	*0.73*	*2.2*	0.00018	0.0002	<0.000021	0.00012	<0.00022	<0.000021	<0.000021	0.0001	<0.000021	<0.00082	<0.000021	<0.00021	0.0668	0.000081 J	**88**	0.498 J	0.0077
Phenol	*7.3*	*22*	<0.000036	<0.000035	<0.000035	<0.000035	<0.00013	<0.000035	0.00006 J	<0.000035	<0.000035	<0.00035	<0.000035	<0.00035	<0.00039	<0.00005	<0.00075	<0.192	<0.000035
Pyrene	*0.73*	*2.2*	0.0069	0.0073	0.0033	0.0057	0.0045	0.0022 J	0.0016	0.0025	0.0034	<0.0057	<0.000019	0.0053	0.0159	0.00013 J	**19**	<0.529	0.006
Metals																			
Arsenic	*0.01*	*0.01*	**0.0169**	**0.0165**	**0.0101**	**0.0303**	0.00966	**0.0321**	**0.0151**	**0.0164**	0.00916	**0.0148**	0.000967 J	**0.0102**					0.00314

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-44C 07/28/2020	MW-44C 08/18/2020	MW-44C 01/25/2021	MW-44C 07/20/2021	MW-44C 01/10/2022	MW-44C 07/21/2022	MW-44C 01/09/2023	MW-44C 07/17/2023	MW-45C 01/29/2008 DNAPL	MW-45C 01/20/2020	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-45C 02/02/2023	MW-45C 07/24/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.005	<0.0002
Benzene	*0.005*	*0.005*	<0.0002		0.00025 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.0448**	0.0005 J	0.0026	0.0016	0.0023	0.00079 J	**0.17**	<0.005	**0.02**
Chlorobenzene	*0.1*	*0.1*	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0075	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.024		0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.111	0.00044 J	0.011	0.0081	0.011	0.003	0.53	0.055	0.18
Methylene chloride	*0.005*	*0.005*	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.01**	**<0.025**	<0.001
Toluene	*1*	*1*	0.0099		0.00045 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.112	<0.0002	0.0094	0.0073	0.0082	0.0022	0.38	0.025	0.1
Vinyl chloride	*0.002*	*0.002*										<0.0002							
Xylenes (total)	*10*	*10*	0.055		0.0034	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.298	0.0051	0.029	0.021	0.029	0.0076	1.4	0.14	0.51
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	**<0.002**	<0.000085	<0.000021	<0.000021	<0.000021	<0.000021	**<1**	**<0.0021**	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*		<0.00004	<0.00004	<0.00004	0.00023	<0.00004	<0.00004	<0.00004	0.0104	<0.00004	<0.00004	<0.00004	0.00088	0.0048	**<2**	<0.004	0.004
2,4-Dinitrotoluene	*0.0013*	*0.003*		<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	**<0.004**	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	**<2.9**	**<0.0058**	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*		<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	**<0.004**	**0.0022 J**	<0.000042	<0.000042	<0.000042	<0.000042	**<2.1**	**<0.0042**	<0.00042
2-Chloronaphthalene	*2*	*5.8*		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<1	<0.0021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*		<0.000019	0.00009 J	<0.000019	0.00036	<0.000019	<0.000019	0.000023 J	**1.01**	<0.00013	0.044 J	<0.000046	<0.000019	0.043	**4000**	**0.29**	0.078
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**<0.004**	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**<1**	<0.002	<0.0002
4-Nitrophenol	*0.049*	*0.15*		<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.005	0.000067 J	<0.000047	<0.000047	<0.000047	<0.000047	**<2.4**	<0.0047	<0.00047
Acenaphthene	*1.5*	*4.4*		<0.000027	0.0012	<0.000027	0.00014	<0.000027	<0.000027	0.00036	0.472	0.000084 J	0.035 J	0.00088	0.0014	0.026	**<2500**	0.12	0.028
Acenaphthylene	*1.5*	*4.4*		<0.000015	0.000023 J	<0.000015	<0.000015	<0.000015	<0.000015	0.000021 J	0.0085	0.000037 J	<0.000015	0.00012	0.000065 J	0.00047	**30**	0.003 J	<0.00015
Anthracene	*7.3*	*22*		0.00015	0.00043	<0.000014	0.000035 J	<0.000014	<0.00026	0.000099 J	0.18	0.0009	0.025 J	0.00098	0.00062	0.0051	**1200**	0.027	0.0066
Benzo(a)anthracene	*0.0091*	*0.02*		0.00034	0.00018	<0.00005	<0.00005	<0.00005	<0.00005	0.000066 J	**0.0416**	0.00039	0.0048 J	0.00096	0.00046	0.003	**250**	**0.012**	0.0033
Benzo(a)pyrene	*0.0002*	*0.0002*		**0.00029**	0.0001	<0.00002	<0.00002	<0.00002	0.00019	0.000066 J	**<0.004**	**0.00042**	**0.0016 J**	**0.00056**	**0.00024**	**0.00096**	**69**	**0.0085 J**	**0.0016**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*		<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	**<0.008**	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	**<1.5**	**<0.003**	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*		0.0002	<0.00013	<0.000037	0.000078 J	<0.000037	0.00014 J	0.000043 J	<0.004	0.000067 J	<0.000037	<0.000091	0.000052 J	<0.000037	**<1.8**	<0.0037	<0.00037
Chrysene	*0.91*	*2*		0.0003	0.00021	<0.000021	<0.000021	<0.000021	0.00023	0.000087 J	0.0347	0.00062	0.0041 J	0.001	0.00047	0.0028	**210**	0.022	0.0033
Dibenzofuran	*0.098*	*0.29*		<0.00002	0.00063	<0.00002	0.00013	<0.00002	<0.00002	0.00013	**0.488**	0.000075 J	0.033 J	<0.00008	0.00058	0.021	**<2300**	**0.11**	0.032
Di-n-butylphthalate (DBP)	*2.4*	*7.3*		<0.00002	<0.000031	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.004	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<1	<0.002	<0.0002
Fluoranthene	*0.98*	*2.9*		0.00077	0.0022	<0.00001	0.000091 J	<0.00001	0.00052	0.00028	0.384	0.00062	0.042 J	0.0031	0.0019	0.014	**<2100**	0.038	0.011
Fluorene	*0.98*	*2.9*		<0.00003	0.00087	<0.00003	0.000087 J	<0.00003	<0.00003	0.00015	0.357	0.00023	0.031 J	0.00024	0.0012	0.014	**<1800**	0.061	0.019
Naphthalene	*0.49*	*1.5*		<0.00002	<0.00015	0.000099 J	0.0034	0.00005 J	<0.00002	0.0001	**6.05**	<0.00061	0.27 J	<0.00016	<0.00014	**0.87**	**15000**	**2.2**	**1**
Nitrobenzene	*0.049*	*0.15*		<0.000024	0.000059 J	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.008	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	**<1.2**	<0.0024	<0.00024
N-Nitrosodiphenylamine	*0.19*	*0.42*		<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.005	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	**<1.2**	<0.0025	<0.00025
Pentachlorophenol	*0.001*	*0.001*		<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**<0.004**	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**<4**	**<0.0079**	<0.00079
Phenanthrene	*0.73*	*2.2*		0.0003	0.00069	<0.000021	0.00014	0.00005 J	<0.00018	0.00038	**0.903**	<0.00027	0.14 J	0.0011	0.00077	0.027	**6400**	0.076	0.032
Phenol	*7.3*	*22*		<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.004	<0.000035	<0.000035	0.000049 J	<0.000035	0.001	<1.8	<0.0035	<0.00035
Pyrene	*0.73*	*2.2*		0.00057	0.0014	<0.000019	0.000065 J	<0.000019	0.00042	0.00023	0.234	0.00068	0.026 J	0.002	0.0012	0.0071	**1500**	0.029	0.0093
Metals																			
Arsenic	*0.01*	*0.01*	0.00752		**0.0196**	**0.159**	**0.0151**	**0.05**	**0.0399**	0.00711		0.00073 J	<0.0004	0.000664 J	0.00109 J	**0.2**	**0.0172**	**0.0724**	**0.0874**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-46C 01/30/2008 DNAPL	MW-46C 01/15/2020	MW-46C 07/22/2020	MW-46C 01/25/2021	MW-46C 07/14/2021	MW-46C 01/10/2022	MW-46C 07/20/2022	MW-46C 01/09/2023	MW-46C 07/17/2023	MW-47A 03/20/2020	MW-47A 06/01/2020	MW-47A 07/21/2020	MW-47A 01/21/2021	MW-47A 07/14/2021	MW-47A 01/11/2022	MW-47A 07/24/2022	MW-47A 01/25/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00052	<0.0002	<0.0002	<0.0002	<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
Benzene	*0.005*	*0.005*	**0.0222**	**0.028**	0.0037	0.0018	<0.0002	0.0035 J	**0.013**	0.00044 J	0.0037	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.00047	<0.0003	<0.0003	<0.0003	<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
Ethylbenzene	*0.7*	*0.7*	0.0249	0.051	0.018	0.007	0.0013	0.0059	0.017	0.00091 J	0.0097	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.00054	<0.001	<0.001	<0.001	<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
Toluene	*1*	*1*	0.0167	0.0047	<0.0014	0.00078 J	<0.0002	<0.001	0.0023	<0.0002	0.001	<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*	0.0377	0.11	0.047	0.018	0.0029	0.014	0.034	0.0023	0.021	<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*	<0.0004	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00042	<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*	<0.0014	0.00016 J	<0.00004	0.00023	<0.0004	0.016	0.02	<0.0008	0.0046	<0.00004	<0.00004	0.0002 J	0.000059 J	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00096	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	<0.0012	<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*	<0.00096	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042	<0.00084	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0019	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00042	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.0825	**0.2**	0.059 J	0.0001	0.0096	0.053	0.071	<0.00038	0.00088	<0.000019	<0.000019	<0.000019	0.000023 J	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00096	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0004	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.0012	<0.000047	<0.000047	0.00021 J	<0.00047	<0.00047	<0.00047	<0.00094	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.0635	0.16	0.054 J	0.022	0.04	0.055	0.081	<0.00054	0.027	<0.000027	<0.000027	<0.000027	0.0004	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.0014	0.0016	<0.000015	0.00033	0.00064 J	0.00087 J	0.00089 J	<0.0003	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.0222	0.073	0.026 J	0.0032	0.025	0.081	0.025	0.074	0.029	<0.000014	<0.000014	<0.000014	0.000035 J	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	0.00597	0.0071	0.0051 J	0.0014	0.006	0.0036	0.0049	**0.038**	0.0088	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.00215**	**0.0021**	**0.0019 J**	**0.00066**	**0.002**	**0.0013**	**0.0017**	**0.024**	**0.0039**	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.0019**	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003	<0.0006	<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*	<0.00096	0.0011	0.00032 J	<0.00014	0.00039 J	0.002	<0.00037	<0.00074	<0.000037	0.00011 J	0.000086 J	0.00025	<0.00021	**.00012 J**	0.000088 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*	0.00521	0.0068	0.004 J	0.0014	0.0067	0.0032	0.0052	0.038	0.0081	<0.000021	<0.000021	<0.000021	0.000024	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.0636	**0.16**	0.05 J	0.0063	0.028	0.052	0.065	0.0055	0.02	<0.00002	<0.00002	<0.00002	<0.00006	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00096	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0004	<0.00002	0.000076 J	<0.00002	0.000046 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0426	0.084	0.049 J	0.0085	0.04	0.022	0.036	0.16	0.063	<0.00001	<0.00001	0.000067 J	0.00048	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.048	0.12	0.042 J	0.0094	0.025	0.047	0.055	0.014	0.03	<0.00003	<0.00003	<0.00003	0.0002	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	**1.1**	**1.8**	0.29 J	<0.00018	0.0049	0.18	0.35	<0.0004	0.000099 J	<0.00002	<0.00002	0.00025	<0.00015	<0.000069	<0.000058	<0.000065	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.0019	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024	<0.00048	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0012	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.0005	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00096	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079	**<0.0016**	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.119	0.24	0.14 J	0.0078	0.047	0.099	0.12	0.072	0.093	<0.000021	<0.000021	0.00011	<0.000063	<0.000021	<0.000021	<0.000029	<0.000021
Phenol	*7.3*	*22*	0.0133	<0.000035	<0.000035	0.000038 J	<0.00035	<0.00035	<0.00035	<0.0007	<0.000035	<0.000035	<0.000035	0.000093 J	<0.000098	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.0252	0.053	0.028 J	0.0048	0.027	0.014	0.022	0.11	0.037	<0.000019	<0.000019	0.000042 J	0.00036	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*		0.00272	0.000899 J	0.000951 J	<0.004	0.0011 J	0.00145 J	0.00204	0.000548 J	0.000566 J	0.000699 J	<0.0004	<0.0004	<0.000445	0.00256	0.00114 J	0.00165 J

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-47A 07/17/2023	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	MW-47C 01/23/2019	MW-47C 07/17/2019	MW-47C 01/16/2020
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<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	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<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	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<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	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<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	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<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	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<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	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	<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	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	R	<0.000104	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.0004	<0.00032	<0.00008	<0.00008	0.00011 J	<0.00008	<0.00005	<0.00005	0.00042	R	<0.00031	R	<0.000292	0.000095 J	<0.00004	0.0002
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.00021	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	R	<0.000123	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000762	<0.00008	R	<0.0000755	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.00042	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	R	<0.0000755	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00019	<0.00042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.0044	<0.00005	0.000098 J	<0.00007	R	<0.000066	<0.000019	<0.000019	<0.0001
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.00021	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	R	<0.00083	R	<0.000783	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.00026	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000533	<0.00056	R	<0.000528	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00027	<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	<0.000027	<0.000027	<0.000057
Acenaphthylene	*1.5*	*4.4*	<0.00015	<0.00032	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571	<0.00006	R	<0.0000566	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.00014	<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	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.000137 J	<0.00008	R	<0.0000755	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	**<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	<0.00002	<0.00002	0.00004 J
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	R	<0.000123	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.00021	0.0036	<0.00065	<0.00021	<0.0002	0.0001 J	**0.011**	<0.0001	0.000594	<0.00037	R	<0.000349	<0.000056	<0.00027	0.00079
Chrysene	*0.91*	*2*	<0.00021	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	0.000127 J	<0.00008	R	<0.0000755	<0.000021	<0.000021	0.00006 J
Dibenzofuran	*0.098*	*0.29*	<0.0002	<0.00032	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	0.000104 J	<0.00008	R	<0.0000755	0.000034 J	<0.00002	<0.000049
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00015 J	<0.00005	<0.000105	<0.00011	R	<0.000104	<0.00002	<0.00002	0.0014
Fluoranthene	*0.98*	*2.9*	<0.0001	<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	0.000028 J	<0.00001	<0.00011
Fluorene	*0.98*	*2.9*	<0.0003	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00025	<0.00005	0.000116 J	<0.00007	R	<0.000066	<0.00003	<0.00003	<0.000042
Naphthalene	*0.49*	*1.5*	<0.0002	<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	0.00083	<0.00002	<0.00056
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.00042	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	R	<0.000104	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.00026	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0001	R	<0.0000943	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.00021	<0.00008	0.0004	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	R	<0.00061	R	<0.000575	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00021	<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	0.000052 J	<0.000021	<0.000088
Phenol	*7.3*	*22*	<0.00035	<0.00021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00044	0.00056	R	<0.00004	R	<0.0000377	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.00019	<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	0.000021 J	<0.000019	<0.0001
Metals																		
Arsenic	*0.01*	*0.01*	0.00109 J													<0.0004	0.00044 J	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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-47C 07/16/2020	MW-47C 01/15/2021	MW-47C 07/14/2021	MW-47C 01/11/2022	MW-47C 07/24/2022	MW-47C 01/25/2023	MW-47C 07/17/2023	MW-48C 01/29/2008	MW-48C 01/29/2008	MW-48C 07/14/2008	MW-48C 02/04/2009	MW-48C 01/21/2010	MW-48C 06/24/2010	MW-48C 07/15/2010	MW-48C 01/19/2011	MW-48C 07/18/2011
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	<0.00109	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00025	<0.00025	<0.00112	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00047	<0.00047	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00142	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00054	<0.00122	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00041	<0.00041	<0.00138	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00127	<0.00127	<0.00302	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0031
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00008	<0.00009	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00029	<0.00029	<0.00033	<0.00008	<0.00008	0.0073	<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	<0.00019	<0.00019	<0.00022	<0.00009	<0.00009	<0.00045	<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	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	<0.00035	<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	<0.00038	<0.00038	<0.00044	<0.00012	<0.0001	<0.0005	<0.0001	<0.0001	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	0.00047	<0.000019	<0.000019	<0.00038	<0.00038	<0.00044	<0.00007	<0.00007	**0.18**	<0.00007	<0.00007	<0.00005
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00019	<0.00022	<0.00008	<0.00008	<0.0004	<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	<0.00024	<0.00028	<0.00007	<0.00007	<0.00035	<0.00007	<0.00007	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	0.0001	0.00041	<0.000027	<0.000027	<0.00029	<0.00029	<0.00033	<0.00009	<0.00009	0.073	<0.00009	<0.00009	<0.00005
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	0.00002 J	<0.000015	<0.000015	<0.00029	<0.00029	<0.00033	<0.00006	<0.00007	0.0014	<0.00007	<0.00007	<0.00005
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	0.000046 J	0.00032	<0.000014	<0.000014	0.000584	0.000589	<0.00022	0.00012 J	<0.00007	0.007	<0.00007	<0.00007	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	0.000093 J	<0.00005	<0.00005	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	<0.00035	<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	<0.00019	<0.00019	**<0.00022**	<0.00008	<0.00008	**<0.0004**	<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	<0.00038	<0.00038	<0.00044	<0.00009	<0.00009	<0.00045	<0.00009	<0.00009	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0002	<0.000037	0.000052 J	0.00026	<0.000037	0.000052 J	<0.000037	0.00045 J	<0.00019	0.00028 J	0.00034	<0.0018	<0.001	0.0013	0.001	<0.00043
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	0.000069 J	<0.000021	<0.000021	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	<0.00035	<0.00007	<0.00007	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	0.000057 J	0.00052	<0.00002	<0.00002	0.00031 J	<0.00029	<0.00033	0.00025	<0.00008	0.065	<0.00008	<0.00008	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00089	<0.00033	<0.00002	0.000038 J	<0.00002	<0.00002	<0.00002	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	<0.00035	<0.00007	<0.00007	<0.00005
Fluoranthene	*0.98*	*2.9*	<0.000037	<0.00001	<0.00001	0.00013	0.0005	<0.00001	<0.00001	0.00047 J	0.000687	0.00033 J	<0.00007	0.00013 J	0.0021	0.00019 J	0.00019 J	<0.00013
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	0.000083 J	0.0005	<0.00003	<0.00003	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	0.032	<0.00007	<0.00007	<0.00005
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.00002	0.0011	0.000044 J	<0.00002	0.00119	0.00062	<0.00044	0.00052	0.0002 J	**5**	<0.0001	<0.0001	<0.00005
Nitrobenzene	*0.049*	*0.15*	<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	<0.00009	<0.00005
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00024	<0.00024	<0.00028	<0.00009	<0.00009	<0.00045	<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	<0.00019	<0.00019	<0.00022	<0.00008	<0.00008	**0.019**	<0.00008	<0.00008	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.000022	<0.000021	<0.000021	0.00012	0.0016	<0.000021	<0.000021	0.00046 J	0.00043 J	<0.00022	0.00032	<0.00007	0.03	<0.00007	<0.00007	<0.00005
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.00019	<0.00022	<0.00007	<0.00007	0.024	<0.00007	<0.00007	<0.00005
Pyrene	*0.73*	*2.2*	0.000022 J	<0.000019	<0.000019	0.000079 J	0.00038	<0.000019	<0.000019	0.00039 J	0.000528	<0.00022	<0.00007	0.0001 J	0.001	0.00015 J	0.00012 J	<0.0001
Metals																		
Arsenic	*0.01*	*0.01*	0.00142 J	0.00121 J	<0.00146	0.00185 J	0.00069 J	0.00622	**0.0114**									

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-48C 01/21/2021	MW-48C 07/13/2021	MW-48C 01/24/2022
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*					<0.00018											
Xylenes (total)	*10*	*10*	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<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	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	0.00012 J	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<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	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<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	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<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	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<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	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<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	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<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	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	0.000066 J	<0.0000755	<0.0000762	<0.0000755	<0.0000755	<0.00005	0.000057 J	<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	<0.0000755	<0.0000762	<0.0000755	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000021 J	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<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	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	<0.00013	<0.000079	<0.000037
Chrysene	*0.91*	*2*	<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	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<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	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.000041	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<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	0.000014 J	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<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	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<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	<0.000085	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*	<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	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<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	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<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	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<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	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<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	<0.000019	<0.000019	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*							0.000831 J	0.000581 J	0.000562 J	0.000924 J	0.00167 J	0.00126 J	0.00102 J	0.000804 J	0.00216	<0.0004

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-48C 07/18/2022	MW-48C 01/31/2023	MW-48C 07/24/2023	MW-48C 07/24/2023 Duplicate	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	MW-49A 01/16/2014
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	<0.0002
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**	**0.0565**
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**	**0.304**
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	0.0331
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	<0.00022
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	0.0296
Vinyl chloride	*0.002*	*0.002*										**<0.005**	**<0.01**	**<0.05**	<0.0005	<0.00011	<0.0011	<0.00018
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	0.0699
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000042	**<0.004**	**<0.002**	<0.0001	<0.0001	<0.0005	<0.0001	<0.00005	<0.00005	<0.00005	**<0.00524**	**<0.0105**	**<0.00519**
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00008	0.025	**6.08**	**6.8**	**0.86**	**3.7**	0.18	**3**	<0.00005	0.037	**1.42**	**0.903**	**2.1 J**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.00012	**<0.0095**	**<0.004**	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.00005	<0.00005	**<0.00619**	**<0.0124**	**<0.00613**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000084	**<0.0095**	**<0.004**	<0.00007	<0.00007	<0.00035	<0.00007	<0.00006	<0.00006	<0.00006	**<0.00381**	**<0.00762**	**<0.00377**
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000042	<0.019	<0.008	<0.00012	<0.0001	<0.0005	<0.0001	<0.00005	<0.00005	<0.00005	<0.00381	<0.00762	<0.00377
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000038	0.0693	**0.492**	**0.6**	**0.35**	**0.44**	**0.13**	**0.27**	<0.00005	<0.00005	**0.218**	**0.216**	**0.267**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00004	**<0.0095**	**<0.01**	<0.00008	<0.00008	<0.0004	<0.00008	<0.00008	<0.00008	<0.00008	**<0.0395**	**<0.079**	**<0.0392**
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000094	<0.012	<0.005	<0.00007	<0.00007	<0.00035	<0.00007	<0.00005	<0.00005	<0.00005	<0.0267	**<0.0533**	<0.0264
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000054	0.215	0.468	0.32	0.2	0.21	0.13	0.13	<0.00005	0.033	0.134	0.126	0.18
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.00003	<0.014	<0.006	0.0039	0.0032	0.0052	0.0018	0.0029	<0.00005	0.00062	<0.00286	<0.00571	0.00528 J
Anthracene	*7.3*	*22*	0.000017 J	<0.000014	<0.000014	<0.000028	<0.0095	0.0164	0.01	0.0071	0.0099	0.0096	0.011	<0.00005	0.00076	0.00824 J	0.0119 J	0.0132 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.0001	**<0.0095**	<0.004	0.00066	<0.00007	<0.00035	<0.00007	<0.00005	<0.00005	<0.00005	<0.00381	<0.00762	<0.00377
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00004	**<0.0095**	**<0.004**	**0.00024**	<0.00008	**<0.0004**	<0.00008	<0.00005	<0.00005	<0.00005	**<0.00381**	**<0.00762**	**<0.00377**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00006	**<0.019**	**<0.008**	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.00005	<0.00005	**<0.00619**	**<0.0124**	**<0.00613**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00007	<0.000037	<0.000037	<0.000074	**<0.0095**	<0.004	0.0009	<0.0015	<0.001	<0.00029	<0.0001	<0.0001	0.0001 J	**<0.0176**	**<0.0352**	**<0.0175**
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000042	<0.0095	<0.004	0.0006	<0.00007	<0.00035	<0.00007	<0.00005	<0.00005	<0.00005	<0.00381	<0.00762	<0.00377
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00004	**0.148**	**0.293**	**0.21**	**0.14**	**0.16**	0.075	0.09	<0.00005	0.0099	0.0851	0.0812	0.0902
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000043 J	<0.00002	<0.00002	<0.00004	<0.0095	<0.004	<0.00007	<0.00007	<0.00035	<0.00007	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105	<0.00519
Fluoranthene	*0.98*	*2.9*	0.000031 J	<0.00001	<0.00001	<0.00002	<0.0095	0.0063	0.0058	0.0025	0.0034	0.0038	0.0033	<0.00005	0.0018	<0.00333	<0.00667	0.00521 J
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00006	0.102	0.205	0.15	0.11	0.13	0.073	0.092	<0.00005	0.015 J	0.0717	0.0662	0.0864
Naphthalene	*0.49*	*1.5*	0.000064 J	<0.00002	0.000068 J	<0.00004	**2.13**	**11**	**9**	**5.1**	**10**	**1.8**	**7.4**	<0.00005	<0.00005	**2.88**	**3.3**	**5.86**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000048	<0.019	<0.008	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105	<0.00519
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.00005	<0.012	<0.005	<0.00009	<0.00009	<0.00045	<0.00009	<0.00005	<0.00005	<0.00005	<0.00476	<0.00952	<0.00472
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.00016	**<0.0095**	**<0.004**	<0.00008	<0.00008	<0.0004	<0.00008	<0.00005	<0.00005	<0.00005	**<0.029**	**<0.0581**	**<0.0288**
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000042	0.0939	0.147	0.096	0.072	0.086	0.062	0.07	<0.00005	0.002	0.0455	0.0684	0.0564
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.00007	<0.0095	0.0111	<0.00007	0.00077	0.0011	0.0058	0.0095	<0.00005	<0.00023	<0.0019	<0.00381	<0.00189
Pyrene	*0.73*	*2.2*	0.000033 J	<0.000019	<0.000019	<0.000038	<0.0095	<0.004	0.0046	0.0017	0.0018	0.002	0.0016	<0.00005	0.00095	<0.00524	<0.0105	<0.00519
Metals																		
Arsenic	*0.01*	*0.01*	0.00192 J	0.00241	0.00217	0.00169 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-49A 01/31/2023	MW-49A 07/24/2023	MW-50A 01/31/2008	MW-50A 07/16/2008	MW-50A 02/04/2009
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0028	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00052	<0.00109	<0.0005
Benzene	*0.005*	*0.005*	**0.108**	**0.013**	**0.016**	**0.01**	0.004	<0.0002	**0.3**	**0.13**	**0.12**	**0.0055**	**0.062**	**0.055**	<0.0002	**0.15**	<0.00025	<0.00112	<0.0005
Chlorobenzene	*0.1*	*0.1*	**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	<0.0003	0.0024	<0.00047	<0.0015	<0.0005
Ethylbenzene	*0.7*	*0.7*	0.0701	0.01	0.01	0.0067	0.0031	<0.0003	0.1	0.077	0.049	0.016	0.044	0.055	<0.0003	0.12	<0.00025	<0.00142	<0.0005
Methylene chloride	*0.005*	*0.005*	**0.0212**	<0.001	<0.005	<0.001	<0.001	<0.001	**<0.01**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00054	<0.00122	<0.0005
Toluene	*1*	*1*	0.0593	0.003	0.0075	0.0065	0.0023	<0.0002	0.19	0.13	0.14	0.019	0.014	0.026	<0.0002	0.18	<0.00041	<0.00138	<0.0005
Vinyl chloride	*0.002*	*0.002*	**<0.0022**	<0.0002		<0.0002	<0.0002	<0.0002	<0.002	<0.0002									
Xylenes (total)	*10*	*10*	0.157	0.023	0.023	0.015	0.0087	<0.0003	0.24	0.18	0.12	0.038	0.095	0.12	<0.0003	0.29	<0.00127	<0.00302	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.0104**	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	**<0.0021**	<0.000021	<0.00021	<0.00008	<0.00009	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	**1.23**	0.097	0.033	0.097	<0.00004	<0.00004	**5.7**	**0.58**		0.0034	0.35	0.16	<0.00004	0.4	<0.00029	<0.00033	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.0123**	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	**<0.0058**	<0.000058	<0.00058	<0.00019	<0.00022	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.00755**	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042	**<0.0042**	<0.000042	<0.00042	<0.00019	<0.00022	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<0.00755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.0021	<0.000021	<0.00021	<0.00038	<0.00044	<0.00012
2-Methylnaphthalene	*0.098*	*0.29*	**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**	<0.000019	0.049	<0.00038	<0.00044	<0.00007
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**<0.0783**	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.002	<0.00002	<0.0002	<0.00019	<0.00056	<0.00008
4-Nitrophenol	*0.049*	*0.15*	**<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	<0.000047	<0.00047	<0.00024	<0.00028	<0.00007
Acenaphthene	*1.5*	*4.4*	0.126	0.0036	0.0049	0.007	<0.000027	<0.000027	0.057	0.057	0.073	0.034	0.12	0.11	<0.000027	0.023	<0.00029	<0.00033	<0.00009
Acenaphthylene	*1.5*	*4.4*	<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	<0.000015	<0.00015	<0.00029	<0.00033	<0.00006
Anthracene	*7.3*	*22*	<0.00472	0.00028	0.00035	0.00062	<0.000014	<0.000014	0.0028	0.024	0.017	0.014	0.023	0.017	0.00023	0.0051	<0.00019	<0.00022	0.00011 J
Benzo(a)anthracene	*0.0091*	*0.02*	<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	0.00064	0.002	<0.00019	<0.00022	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.00755**	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	**0.0045**	**0.0045**	**0.0029**	**0.0077**	**<0.002**	**0.0014**	**0.0012**	<0.00019	**<0.00022**	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.0123**	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003	**<0.003**	<0.00003	<0.0003	<0.00038	<0.00044	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	**<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	0.000054 J	<0.00037	<0.00019	<0.00022	0.0035
Chrysene	*0.91*	*2*	<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	0.00096	0.002	<0.00019	<0.00022	<0.00007
Dibenzofuran	*0.098*	*0.29*	0.0941	0.0021	0.0029	0.0049	<0.00002	<0.00002	0.037	0.044	0.057	0.022	0.065	0.076	<0.00002	0.017	<0.00029	<0.00033	0.00025
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00002	<0.0002	<0.00019	<0.00022	<0.00007
Fluoranthene	*0.98*	*2.9*	<0.0066	0.00035	0.00039	0.00049	<0.00001	<0.00001	0.00056	0.046	0.041	0.014	0.038	0.04	0.00083	0.0091	<0.00019	<0.00022	<0.00007
Fluorene	*0.98*	*2.9*	0.0651	0.0025	0.0027	0.0039	<0.00003	<0.00003	0.027	0.046	0.052	0.024	0.07	0.078	0.000054 J	0.015	<0.00019	<0.00022	<0.00007
Naphthalene	*0.49*	*1.5*	**5.13**	<0.00016	0.0002	0.046	0.000089 J	<0.00002	**4.5**	**2**	**0.9**	0.4	**3.1**	**3.2**	<0.00002	**0.74**	<0.00038	<0.00044	0.0003
Nitrobenzene	*0.049*	*0.15*	<0.0104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024	<0.00024	<0.00024	<0.0024	<0.000024	<0.00024	<0.00038	<0.00044	<0.00009
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.0025	<0.000025	<0.00025	<0.00024	<0.00028	<0.00009
Pentachlorophenol	*0.001*	*0.001*	**<0.0575**	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079	**<0.0079**	<0.000079	<0.00079	<0.00019	<0.00022	<0.00008
Phenanthrene	*0.73*	*2.2*	0.0519	0.00066	0.00055	0.0034	<0.000021	<0.000021	0.016	0.22	0.087	0.025	0.087	0.1	0.00041	0.025	0.00026 J	<0.00022	0.00031
Phenol	*7.3*	*22*	<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	<0.000035	<0.0035	<0.00019	<0.00022	<0.00007
Pyrene	*0.73*	*2.2*	<0.0104	0.00018	0.00029	0.00034	<0.000019	<0.000019	0.00052	0.03	0.025	0.0094	0.023	0.025	0.00057	0.0065	<0.00019	<0.00022	<0.00007
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	0.00137 J	0.00174 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-50A 01/10/2019	MW-50A 07/19/2019
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	<0.00014	<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	<0.00008	<0.00008	<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	<0.00012	<0.00012	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00011	<0.00011	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.001		<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00015	<0.00015	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*								<0.00011								
Xylenes (total)	*10*	*10*	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00026	<0.00026	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	0.000083 J	<0.000298	<0.000304	<0.000292	<0.000307	<0.00004	<0.00004		<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<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	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<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	<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	<0.000798	<0.000814	<0.000783	<0.000822	<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	<0.000538	<0.000549	<0.000528	<0.000554	<0.000047	<0.000047		<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<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	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<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	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<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	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<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	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125	<0.000127	<0.000123	<0.000129	<0.00003	<0.00003		<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<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	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<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	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<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	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<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	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<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	<0.00002	0.00027
Nitrobenzene	*0.049*	*0.15*	<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	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<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	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<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	<0.000021	<0.000021
Phenol	*7.3*	*22*	<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	<0.000035	0.00016 J
Pyrene	*0.73*	*2.2*	<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	<0.000019	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*											0.00205		<0.0004	0.00857	0.00134 J	0.000642 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-50A 01/17/2023	MW-50A 07/07/2023	MW-50B 03/12/2020	MW-50B 05/26/2020	MW-50B 05/26/2020 Duplicate	MW-50B 07/16/2020	MW-50B 01/12/2021	MW-50B 07/13/2021	MW-50B 01/06/2022	MW-50B 07/17/2022	MW-50B 01/17/2023
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.052**	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0068	<0.0003	<0.0003	<0.0003	0.061	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0033	0.001	0.0011	0.00048 J	0.0055	<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	0.0056	<0.0003	<0.0003	<0.0003	0.061	<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	<2.1E-05 J	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00071	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004 J	<0.000042	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<5.8E-05 J	<0.00006	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<4.2E-05 J	<0.000044	<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	<2.1E-05 J	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.00019	<0.000019	0.000037 J	<0.000019	<0.000019	<0.000019	<0.000019	<1.9E-05 J	0.016	0.000036 J	0.000035 J	<0.00004	<0.000019	<0.000019	0.000038 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 J	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<4.7E-05 J	<0.000049	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.00037	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<2.7E-05 J	0.02	0.0012	0.0012	0.00091	0.0013	<0.000027	0.000088 J	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	0.000022 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<1.5E-05 J	0.00028	0.00039	0.000029 J	<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	<1.4E-05 J	0.0016	0.00038	0.00024	0.000078 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 J	<0.000052	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003 J	<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*	<0.000085	<0.000069	<0.000037	<0.000097	<0.000037	<0.000048	<0.000037	0.000069 JH	<0.000039	<0.000037	<0.000037	<0.000037	<0.000037	<0.0001	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000054	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000054 JH	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00013	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 J	0.015	0.00078	0.00082	0.00058	0.00052	<0.00002	0.000065 J	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00024	0.000064 J	<0.00002	<0.00002	<0.00002	<0.00002	0.00024 JH	0.000038 J	0.00016 J	0.00026	<0.000053	<0.00018	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.000052 J	<0.000017	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000017 JH	0.0011	0.00033 J	0.00032 J	0.00011	0.0002	<0.00001	0.0002	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00011	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003 J	0.011	0.00042	0.0004	<0.00026	0.00026	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.002	<0.00002	0.00028	<0.00002	0.000082 J	<0.00002	<0.00002	<0.00002 J	0.31	0.000037 J	0.000062 J	<0.000064	<0.00067	<0.000025	<0.00029	<0.00002	0.00019
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<2.4E-05 J	<0.000025	<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	<2.5E-05 J	<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	<0.000079	<0.000079	<7.9E-05 J	<0.000082	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.00007	0.000023 J	0.000052 J	<0.000021	<0.000021	<0.000021	<0.000021	0.000023 JH	0.016	0.00096	0.00073	<0.00034	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000066	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<3.5E-05 J	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000034	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<1.9E-05 J	0.00059	0.00024	0.00021	0.000064 J	0.00014	<0.000019	0.00014	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.000718 J	<0.0004	<0.00135	<0.0004	<0.0004	0.000656 J	<0.0004	<0.0004	0.00372	0.00656	0.00657	0.00707	**0.0244**	0.00435	0.0095	0.00165 J	0.00212

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	MW-50B 07/09/2023	MW-51A 01/31/2008	MW-51A 01/31/2008 Duplicate	MW-51A 02/04/2009	MW-51A 01/20/2010	MW-51A 06/24/2010	MW-51A 01/20/2011	MW-51A 07/28/2011	MW-51A 02/15/2012	MW-51A 07/24/2012	MW-51A 04/02/2013	MW-51A 08/09/2013	MW-51A 01/29/2014	MW-51A 07/24/2014	MW-51A 01/29/2018	MW-51A 03/28/2018
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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<0.000059
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	<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	<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	<0.000019
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	<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	<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	<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	<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	<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	<0.000051
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	<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	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000083 J	<0.00019	<0.00038	0.00034	<0.0019	<0.00035	<0.00029	<0.0018	<0.0001	<0.00033	<0.000356	<0.000363	0.00121	0.000804	<0.000037	0.000069 J
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	<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	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00072	<0.00019	<0.00038	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.000051 J	<0.000106	0.00011 J	<0.000104	<0.000104	<0.00002	<0.00002
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	<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	<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	<0.00023
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	<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	<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	<0.00008
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	<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	<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	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*	0.00136 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-51A 01/06/2023	MW-51A 07/07/2023	MW-51C 07/24/2014	MW-51C 01/29/2018	MW-51C 03/28/2018	MW-51C 05/24/2018	MW-51C 01/10/2019	MW-51C 07/19/2019
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000104 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*												<0.00011					
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000104	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000292	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000123	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0000755	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	0.000067 J	<0.000044	<0.000019	0.000064 J	<0.000019	0.00011	<0.000019	<0.000019	<0.000019	<0.000066	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000783	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.00004	<0.000027	0.000098 J	<0.000027	0.000055 J	<0.000027	<0.000027	<0.000027	<0.0000755	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0000566	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000063	0.000015 J	0.000052 J	<0.000014	<0.000014	0.000038 J	<0.000014	<0.000014	<0.0000472	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	0.000022 J	<0.00002	<0.00002	0.000027 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000069 J	0.000078 J	0.00013 J	<0.00014	<0.000042	0.000068 J	<0.00019	0.000074 J	<0.000037	<0.000037	0.000083 J	0.00111	<0.000037	<0.000037	0.000073 J	0.00013 J	0.000079 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	0.00005 J	<0.000021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	0.00003 J	<0.000049	<0.00002	0.00009 J	<0.00002	0.00006 J	<0.00002	<0.00002	<0.00002	<0.0000755	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000025 J	<0.00002	<0.00002	0.000034 J	<0.000036	<0.000076	0.000059 J	<0.00002	<0.00002	<0.00002	0.00054	<0.000104	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	0.00013	<0.000028	0.00014	0.000061 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.000066	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.000043	<0.00003	0.0001 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000066	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	0.000087 J	0.00012	0.00055	<0.00032	<0.00002	0.00023	<0.00002	<0.00046	0.000065 J	<0.00002	<0.00002	0.000553	<0.0002	<0.00021	0.00029	0.00017	0.00023
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000025	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<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	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<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	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000575	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.000026 J	<0.00021	<0.000021	0.00031	<0.000021	0.000063 J	<0.000021	<0.000021	<0.000021	<0.0000566	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.00019 J	<0.000035	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000628	<0.000035	<0.000035	<0.000035	<0.000035	0.00027
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000083	0.000043 J	0.000096 J	0.000046 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000104	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	<0.0004	<0.0004	<0.0004	0.00188 J	0.000588 J	0.00125 J	0.000803 J	0.00471	0.00516	0.00225	0.00129 J		0.000614 J	0.0004 J	<0.0004	<0.0004	<0.0004

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-51C 01/09/2020	MW-51C 07/16/2020	MW-51C 01/15/2021	MW-51C 07/13/2021	MW-51C 01/07/2022	MW-51C 07/17/2022	MW-51C 01/06/2023	MW-51C 07/07/2023	MW-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	<0.0002	<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	<0.0002	<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	<0.0003	<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	<0.0003	<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	<0.001	<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	<0.0002	<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	<0.0003	<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	0.000032 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00008	<0.00009	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.00007 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00029	<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	<0.000058	<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	<0.000042	<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	<0.000021	<0.00038	<0.00044	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	<0.000055	<0.00015	<0.000019	<0.000019	<0.000045	<0.000019	<0.000019	<0.000019	<0.00038	<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	<0.00002	<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	<0.000047	<0.00024	<0.00028	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Acenaphthene	*1.5*	*4.4*	<0.000094	0.00033	0.00045	0.00011	<0.000027	<0.000027	<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	<0.000015	<0.00029	<0.00033	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Anthracene	*7.3*	*22*	<0.0001	0.00045	0.000059 J	<0.000014	<0.000014	<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	<0.00005	<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	<0.00002	<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	<0.00003	<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*	<0.000085	<0.000051	0.000087 J	<0.000075	0.000065 J	<0.000037	<0.000037	0.000074 J	<0.00019	0.00026 J	0.00072	<0.00024	<0.00032	0.00037	<0.00014	<0.0001
Chrysene	*0.91*	*2*	<0.000021	0.00005 J	0.000051	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00011	0.00032	0.00017	<0.00002	<0.00002	<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	<0.000076	0.000031 J	<0.00002	<0.00002	<0.00002	0.00042	<0.00019	<0.00022	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	0.00018	0.0011	0.0012	0.00014	<0.00001	<0.00001	<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*	<0.00011	0.00049	0.0003	0.000077 J	<0.00003	<0.00003	<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*	<0.0003	<0.00061	0.0002	<0.000084	<0.00027	0.000061 J	<0.00002	<0.00002	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	<0.000024	<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	<0.000025	<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	<0.000079	<0.00019	<0.00022	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005
Phenanthrene	*0.73*	*2.2*	<0.00056	0.0027	0.00011	0.00011	<0.000021	<0.000021	<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*	<0.000035	<0.000035	<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*	<0.00011	0.00062	0.00082	0.00012	<0.000019	<0.000019	<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*	0.000452 J	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.00246	0.000828 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.

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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	MW-53C 07/20/2022	MW-53C 01/09/2023
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	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00063 J	<0.0002
Vinyl chloride	*0.002*	*0.002*					<0.00011												
Xylenes (total)	*10*	*10*	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0011	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	0.000071 J	0.000072 J	0.000012 J	<0.00001	<0.00001	<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	<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	<0.00002	0.00027
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	<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	<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	<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	<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	<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	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*						0.000502 J	0.000443 J	0.000694 J	<0.0004	0.000569 J	0.000728 J	<0.0004	0.000443 J	<0.004	0.000504 J	0.000568 J	0.00115 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-53C 07/17/2023	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	MW-54C 03/20/2018
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	<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	<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	<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	<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	<0.001
Toluene	*1*	*1*	<0.0002	<0.00274	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*														<0.00011		
Xylenes (total)	*10*	*10*	<0.0003	<0.00581	<0.00127	0.0027 J	<0.001	0.0011 J	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	0.00076 J	0.00062 J	<0.00026	<0.0003	<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	<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	<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	<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	<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	<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	0.00075
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	<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	<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	0.03
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	0.00036
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	0.0027
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	<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	<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	<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	<0.000037
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	<0.00021	0.000059 J
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	0.029
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	<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	0.004
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	0.014
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	0.029
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	<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	<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	<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	0.0041
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	<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	0.0018
Metals																		
Arsenic	*0.01*	*0.01*	0.00124 J														0.00128 J	0.00133 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-54C 05/31/2018	MW-54C 01/14/2019	MW-54C 07/16/2019	MW-54C 01/09/2020	MW-54C 07/22/2020	MW-54C 07/22/2020 Duplicate	MW-54C 01/25/2021	MW-54C 01/25/2021 Duplicate	MW-54C 07/23/2021	MW-54C 07/23/2021 Duplicate	MW-54C 01/10/2022	MW-54C 01/10/2022 Duplicate	MW-54C 07/25/2022	MW-54C 01/31/2023	MW-54C 01/31/2023 Duplicate	MW-54C 07/17/2023	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	<0.0002	<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	<0.0002	<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	<0.0003	<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	<0.0003	<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	<0.001	<0.001	<0.0005
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0013 J	0.00096 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<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	0.0014	0.0012	<0.0003	<0.0003	<0.0003	<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	<0.000021	<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	0.00028 J	<0.00004 J	<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	<0.000058	<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	<0.000042	<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	<0.000021	<0.000021	<0.00012
2-Methylnaphthalene	*0.098*	*0.29*	0.0059	0.0014	0.0021	0.002	0.000095 J	0.00021 J	0.00089	0.00092	0.00067	0.00078	0.0006 J	0.0012 J	<0.000096	0.000031 J	<1.9E-05 J	<0.000019	**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	<0.00002	<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	<0.000047	<0.000047	<0.00007
Acenaphthene	*1.5*	*4.4*	0.04	0.014	0.041	0.021	0.0075 J	0.0072 J	0.014 J	0.01 J	0.016	0.019	0.016 J	0.03 J	<0.031	0.000029 J	<0.000027	0.015	0.24
Acenaphthylene	*1.5*	*4.4*	0.00054	<0.0002	0.00037	0.00023	0.0001 J	0.00011 J	0.00019 J	0.00014 J	0.00017	0.00017	0.00018 J	0.00033 J	<0.000015	<0.000015	<0.000015	0.00017	0.0056
Anthracene	*7.3*	*22*	0.0041	0.0013	0.0023	0.0015	0.00019 J	0.00061 J	0.00099 J	0.00073 J	0.0013	0.001	0.00096 J	0.0021 J	<0.0018	<0.000014	<0.000014	0.0005	0.044
Benzo(a)anthracene	*0.0091*	*0.02*	0.000065 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000054 J	<0.00005	<0.00005	<0.00005	<0.00005	**0.011**
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000039 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00004 J	<0.00002	<0.00002	<0.00002	<0.00002	**0.0045**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	0.000056 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	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	<0.000037	<0.000037	<0.000037	0.002
Chrysene	*0.91*	*2*	0.000053 J	0.000038 J	<0.000021	0.000054 J	<0.000021	<0.000021	0.000031	<0.000021	0.000045	<0.000021	<0.000021	0.000068 J	0.000049 J	<0.000021	<0.000021	0.000029 J	0.0094
Dibenzofuran	*0.098*	*0.29*	0.045	0.015	0.032	0.02	0.0018 J	0.004 J	0.0097	0.009	0.0091	0.0097	0.0094 J	0.024 J	<0.0047	0.000026 J	<0.00002	0.002	**0.21**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000029 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00007
Fluoranthene	*0.98*	*2.9*	0.0049	0.002	0.0033	0.0026	0.00097 J	0.00097 J	0.0023 J	0.0012 J	0.002	0.0017	0.0016 J	0.0033 J	<0.0037	<0.00001	<0.00001	0.0021	0.054
Fluorene	*0.98*	*2.9*	0.022	0.0085	0.018	0.0095	0.0029 J	0.0038 J	0.0086 J	0.0055 J	0.0083	0.0072	0.0073 J	0.017 J	<0.016	<0.00003	<0.00003	0.0068	0.083
Naphthalene	*0.49*	*1.5*	0.068	0.019	0.032	<0.035	0.0011 J	<0.0005	0.0092	0.0093	0.0085	0.009	0.0063 J	0.015 J	<0.001	0.00027 J	0.000076 J	0.000073 J	**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	<0.000024	<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	<0.000025	<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	<0.000079	<0.000079	<0.00008
Phenanthrene	*0.73*	*2.2*	0.023	0.0052	0.0065	0.0056	<0.000021	0.00086 J	0.0031	0.0028	0.0019	0.0022	0.0026 J	0.0058 J	<0.00026	0.000058 J	<2.1E-05 J	0.00006 J	0.22
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.00044	<0.000064	<0.000035	<0.000035	0.000043 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.052
Pyrene	*0.73*	*2.2*	0.0028	0.001	0.0016	0.0014	0.00056 J	0.00055 J	0.0011 J	0.00064 J	0.001	0.00087	0.00081 J	0.0016 J	<0.0019	<0.000019	<0.000019	0.0012	0.038
Metals																			
Arsenic	*0.01*	*0.01*	0.0012 J	0.00123 J	0.00103 J	0.00122 J	0.00157 J	0.00126 J	0.00104 J	0.000981 J	0.00934 J	0.00221 J	0.001 J	0.000994 J	<0.00161	0.000518 J	0.000461 J	0.00446	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
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	MW-57A 01/26/2022	MW-57A 03/25/2022
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	<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	0.002	**0.0083**
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	<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	0.00076 J	0.0021
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	<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	<0.0002	0.00094 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	0.0019	0.0047
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	<0.00021	<0.00021
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	0.025	0.11
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	<0.00058	<0.00058
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	<0.00042	<0.00042
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	<0.00021	<0.00021
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**	**0.6**	**2**
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	<0.0002	<0.0002
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	<0.00047	<0.00047
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	0.42	**1.6**
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	0.0069	0.029
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	0.24	0.84
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	**0.034**	**0.13**
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	**0.0074**	**0.042**
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	<0.0003	<0.0003
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	<0.00037	<0.00037
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	0.035	0.14
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	**0.37**	**1.4**
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	<0.0002	<0.0002
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	0.32	**1.5**
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	0.37	**1.5**
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	**2.2**	**7.5**
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	<0.00024	<0.00024
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	<0.00025	<0.00025
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	<0.00079	<0.00079
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	**0.92**	**3.5**
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	<0.00035	0.12
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	0.2	**0.78**
Metals																			
Arsenic	*0.01*	*0.01*											0.00447	**0.0545**	**0.0488**	**0.0599**	**0.0423**	**0.0413**	**0.0443**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-57A 07/12/2022	MW-57A 01/19/2023	MW-57A 07/12/2023	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	MW-58A 03/19/2018
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	<0.0002
Benzene	*0.005*	*0.005*	0.0015	**0.025**	0.0018	**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	**0.012**
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	0.00054 J
Ethylbenzene	*0.7*	*0.7*	0.00066 J	0.0074	0.0016	0.079	0.063	0.11	0.03	<0.0055	0.085	0.099	0.0648	<0.00011	<0.00011	0.167	0.0066	0.038
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	<0.001
Toluene	*1*	*1*	<0.0002	0.0016	<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	0.00063 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	<0.0002
Xylenes (total)	*10*	*10*	0.0021	0.014	<0.0003	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	0.068
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.00021	<0.000021	<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	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.029	0.027	<0.00004	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	0.00053
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.00058	<0.000058	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	**<0.0118**	<0.00013	<0.000123	**<0.00637**	<0.00058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.00042	<0.000042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	**<0.00727**	<0.00008	<0.0000755	**<0.00392**	<0.00042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.00021	<0.000021	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00727	<0.00008	<0.0000755	<0.00392	<0.00021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.15**	0.09	0.0032	**0.22**	**0.1**	**0.21**	0.057	<0.00005	0.082	0.0076	**0.243**	<0.00007	<0.000066	**0.373**	0.038	0.045
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.0002	<0.00002	<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	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.00047	<0.000047	<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	<0.000047
Acenaphthene	*1.5*	*4.4*	0.22	0.15	0.038	0.31	0.18	0.28	0.12	<0.00005	0.16	0.057	0.205	<0.00008	<0.0000755	0.221	0.1	0.17
Acenaphthylene	*1.5*	*4.4*	0.0048	0.0024	<0.000015	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	0.001
Anthracene	*7.3*	*22*	0.16	0.044	0.0076	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	0.008
Benzo(a)anthracene	*0.0091*	*0.02*	**0.024**	**0.01**	0.00043	<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	0.000083 J
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.0095**	**0.0048**	**0.00022**	<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	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.0003	<0.00003	<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	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00064 J	<0.00037	<0.000037	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	<0.000037
Chrysene	*0.91*	*2*	0.024	0.0083	0.00042	<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	0.000083 J
Dibenzofuran	*0.098*	*0.29*	0.081	0.098	0.023	**0.23**	**0.14**	**0.23**	0.079	0.0017	**0.13**	0.0088	**0.128**	<0.00008	<0.0000755	**0.136**	0.036	0.08
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.0002	<0.00002	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	<0.00002
Fluoranthene	*0.98*	*2.9*	0.28	0.053	0.0048	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	0.0074
Fluorene	*0.98*	*2.9*	0.15	0.095	0.023	0.15	0.12	0.16	0.065	<0.00005	0.08	0.027	0.12	<0.00007	<0.000066	0.109	0.084	0.096
Naphthalene	*0.49*	*1.5*	0.17	0.14	<0.00032	**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	**0.95**
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.00024	<0.000024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.01	<0.00011	<0.000104	<0.00539	<0.00024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.00025	<0.000025	<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	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.00079	<0.000079	<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	<0.000079
Phenanthrene	*0.73*	*2.2*	0.32	0.19	0.016	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	0.042
Phenol	*7.3*	*22*	<0.00035	<0.00035	<0.000035	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	<0.000035
Pyrene	*0.73*	*2.2*	0.16	0.035	0.028	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	0.0039
Metals																		
Arsenic	*0.01*	*0.01*	**0.0157**	**0.0557**	**0.0212**												0.000713 J	0.00106 J

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-58A 01/19/2023	MW-58A 07/12/2023	MW-59A 02/05/2009	MW-59A 01/20/2010	MW-59A 06/24/2010	MW-59A 01/20/2011	MW-59A 07/18/2011
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Benzene	*0.005*	*0.005*	**0.012**	0.0011	0.0049	**0.0053**	0.003	0.0014	0.0018	0.0016	**0.017**	**0.0092**	**0.0056**	**0.011**	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Chlorobenzene	*0.1*	*0.1*	<0.0015	0.00046 J	0.0008 J	0.00072 J	0.00035 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Ethylbenzene	*0.7*	*0.7*	0.035	0.0032	0.017	0.0098	0.0029	0.0032	0.0039	0.00079 J	0.0048	0.00056 J	0.00046 J	0.00083 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011
Methylene chloride	*0.005*	*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	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013
Toluene	*1*	*1*	0.0027 J	0.0014	<0.0002	<0.0002	0.00045 J	<0.0002	<0.0002	0.00048 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
Vinyl chloride	*0.002*	*0.002*	<0.001	<0.0002	<0.0002	<0.0002	<0.0002												<0.001
Xylenes (total)	*10*	*10*	0.015	0.005	0.028	0.028	0.011	0.006	0.0081	0.0052	0.0098	0.0053	0.0036	0.005	<0.001	<0.001	<0.001	<0.001	<0.0031
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021 JL	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	0.0001 J	<0.00004	<0.00004	0.00067	0.00023	0.00015 J	<0.00004	0.012	<0.00004	0.00017 J	<0.00004	<0.00008	<0.00008	<0.00008	<0.00008	0.000066 J
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058 JL	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042 JL	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000066 J	0.000021 J	<0.000021 JL	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005
2-Methylnaphthalene	*0.098*	*0.29*	**0.14**	0.000072 J	0.015	0.08	0.048	0.022	0.0057	0.016	0.027	0.0088	0.0056	0.0035 JL	<0.00007	<0.00007	0.0002	0.0018	<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	<0.00002	<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	<0.000047	<0.000047	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Acenaphthene	*1.5*	*4.4*	0.19	0.023	0.11	0.27	0.082	0.18	0.027	0.074	0.063	0.089	0.031	0.014	<0.00009	<0.00009	0.0003	0.00079	<0.00005
Acenaphthylene	*1.5*	*4.4*	0.0017	0.00038	0.00087	0.0015	0.0009	0.0011	0.00019	0.00045	<0.000015	0.00073	0.000015	<0.000015 JL	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005
Anthracene	*7.3*	*22*	0.011	0.002	0.062	0.018	0.0069	0.0064	0.0024	0.0036	0.0046	0.0054	0.0024	0.001 JL	<0.00007	<0.00007	0.00026	0.0004	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	0.000083 J	<0.00005	0.00082	0.000091 J	0.00015	0.000053 J	<0.00005	<0.00005	0.00012	<0.00005	<0.00005	<0.00005 JL	<0.00007	<0.00007	<0.00007	0.00015 J	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	0.000053 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002 JL	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003 JL	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000098 J	<0.00007	<0.000037	<0.00011	<0.000037	<0.00015	0.000065 J	<0.000037	0.0016	0.00046	0.000037	<0.000037 JL	0.0006	<0.00065	<0.00023	<0.00031	<0.00054
Chrysene	*0.91*	*2*	0.000082 J	0.00003 J	0.00084	0.000071 J	0.00012	<0.000021	0.000032	<0.000021	0.00013	<0.000021	<0.000021	<0.000021 JL	<0.00007	<0.00007	<0.00007	0.00014 J	<0.00005
Dibenzofuran	*0.098*	*0.29*	0.091	0.013	0.059	**0.13**	0.047	0.08	0.011	0.0091	0.0098	0.0043	0.0013	0.0017	<0.00008	<0.00008	0.0007	0.00099	<0.00005
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.000032 J	<0.00002	<0.00002	0.00017 J	0.00035	0.00003 J	0.00022	0.00025	<0.00002	0.000021 J	<0.00002 JL	0.00077	<0.00007	<0.00007	<0.00007	<0.00005
Fluoranthene	*0.98*	*2.9*	0.0067	0.002	0.02	0.0099	0.0076	0.0073	0.0023	0.0033	0.0037	0.0049	0.0028	0.0014 JL	<0.00007	<0.00007	0.0005	0.0012	<0.00012
Fluorene	*0.98*	*2.9*	0.12	0.015	0.15	0.19	0.083	0.12	0.02	0.054	0.043	0.055	0.022	0.0095 JL	<0.00007	<0.00007	0.00045	0.00084	<0.00005
Naphthalene	*0.49*	*1.5*	0.32	0.00042	0.46	**1.2**	0.35	0.059	0.092	0.18	0.32	0.014	0.0048	0.053	<0.0001	<0.0001	0.00047	0.0066	<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	0.001	<0.000024	<0.000024 JL	<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	<0.000025	<0.000025	<0.000025	<0.000025 JL	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005
Phenanthrene	*0.73*	*2.2*	0.038	0.0038	0.036	0.062	0.037	0.028	0.0082	0.025	0.015	0.023	0.0098	0.0047 JL	<0.00007	<0.00007	0.0017	0.0024	<0.00018
Phenol	*7.3*	*22*	<0.000035	0.000074 J	<0.000035	<0.000035	0.00023	<0.000035	<0.000035	<0.000035	0.02	<0.000035	<0.000035	<0.000035	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005
Pyrene	*0.73*	*2.2*	0.0036	0.00088	0.0099	0.005	0.0034	0.0034	0.0012	0.0014	0.0017	0.002	0.0014	0.00066 JL	<0.00007	<0.00007	0.00029	0.00059	<0.00005
Metals																			
Arsenic	*0.01*	*0.01*	0.00143 J	0.00232	0.00748	0.000906 J	0.00204	0.00214	0.00424	0.00188 J	0.00276	0.00459	0.00204	0.000646 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	MW-59A 07/19/2021	MW-59A 01/12/2022	MW-59A 07/18/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0021	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*	<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	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<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	<0.00004	0.00005 J	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<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	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<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	<0.000019	0.000069 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<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	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<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	<0.000027	0.00013	<0.000027
Acenaphthylene	*1.5*	*4.4*	<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	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<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	<0.000014	0.000037 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<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	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<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	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	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	<0.000037	0.000056 J	<0.000046
Chrysene	*0.91*	*2*	<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	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<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	<0.00002	0.000061 J	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00002	<0.00002	0.000021 J
Fluoranthene	*0.98*	*2.9*	<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	<0.00001	0.00011	<0.00001
Fluorene	*0.98*	*2.9*	<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	<0.00003	0.00011	<0.00003
Naphthalene	*0.49*	*1.5*	<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	0.000087 J	<0.0003	0.000028 J
Nitrobenzene	*0.049*	*0.15*	<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	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<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	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<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	<0.000021	0.00023	<0.000021
Phenol	*7.3*	*22*	<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	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<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	<0.000019	0.000074 J	<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	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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-59A 01/31/2023	MW-59A 07/13/2023	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	MW-59D 02/11/2013	MW-59D 02/11/2013 Duplicate
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<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	<0.00014	<0.00014
Benzene	*0.005*	*0.005*	<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	<0.00008	<0.00008
Chlorobenzene	*0.1*	*0.1*	<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	<0.00012	<0.00012
Ethylbenzene	*0.7*	*0.7*	<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	<0.00011	<0.00011
Methylene chloride	*0.005*	*0.005*	<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	<0.00015	<0.00015
Toluene	*1*	*1*	<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	<0.00015	<0.00015
Vinyl chloride	*0.002*	*0.002*													<0.001			
Xylenes (total)	*10*	*10*	<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	<0.00026	<0.00026
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<0.000105	<0.000105
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<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	<0.000295	<0.000295
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000124	<0.000124
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.0000762	<0.0000762
2-Chloronaphthalene	*2*	*5.8*	<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	<0.0000762	<0.0000762
2-Methylnaphthalene	*0.098*	*0.29*	0.000054 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	<0.0000667	<0.0000667
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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	<0.00079	<0.00079
4-Nitrophenol	*0.049*	*0.15*	<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	<0.000533	<0.000533
Acenaphthene	*1.5*	*4.4*	<0.000027	<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	<0.0000762	<0.0000762
Acenaphthylene	*1.5*	*4.4*	<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	<0.0000571	<0.0000571
Anthracene	*7.3*	*22*	<0.000014	<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	<0.0000476	<0.0000476
Benzo(a)anthracene	*0.0091*	*0.02*	<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	<0.0000762	<0.0000762
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000762
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000124	<0.000124
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000097 J	<0.000037	0.006	0.0055	<0.00023	<0.00087	<0.00031	<0.00049	<0.0015	0.0011	0.0018	<0.00094	<0.00068	<0.00014	<0.000352	0.000538
Chrysene	*0.91*	*2*	<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	<0.0000762	<0.0000762
Dibenzofuran	*0.098*	*0.29*	0.000023 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	<0.0000762	<0.0000762
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.0029	0.0023	<0.00007	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000105	<0.000105
Fluoranthene	*0.98*	*2.9*	<0.00001	<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	<0.0000667	<0.0000667
Fluorene	*0.98*	*2.9*	<0.00003	<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	<0.0000667	<0.0000667
Naphthalene	*0.49*	*1.5*	0.000091 J	<0.00002	0.0019	0.0029	<0.0001	<0.0001	<0.00022	<0.0001	0.0034	<0.00005	<0.00005	<0.00005	<0.000064	<0.00036	<0.0000762	<0.0000762
Nitrobenzene	*0.049*	*0.15*	<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	<0.000105	<0.000105
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.0000952	<0.0000952
Pentachlorophenol	*0.001*	*0.001*	<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	<0.000581	<0.000581
Phenanthrene	*0.73*	*2.2*	<0.000021	<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	<0.0000571	<0.0000571
Phenol	*7.3*	*22*	<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	<0.0000381	<0.0000381
Pyrene	*0.73*	*2.2*	<0.000019	<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	<0.000105	<0.000105
Metals																		
Arsenic	*0.01*	*0.01*	0.00151 J	0.000796 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-59D 01/24/2019 Duplicate	MW-59D 07/31/2019	MW-59D 07/31/2019 Duplicate
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<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	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<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	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<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	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<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	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<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	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<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	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	<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	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<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	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<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	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	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	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<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	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<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	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<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	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<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	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<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	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<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	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	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	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<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	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<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	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<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	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<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	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	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	<0.00002	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*	<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	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<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	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<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	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<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	<0.000035	0.00011 J	<0.000035
Pyrene	*0.73*	*2.2*	<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	<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	0.000637 J	<0.0004	0.000502 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-59D 02/03/2023	MW-59D 02/03/2023 Duplicate	MW-59D 07/14/2023	MW-59D 07/14/2023 Duplicate	MW-60A 02/04/2009
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<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	<0.0002	<0.0002	<0.0005
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<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	<0.0003	<0.0003	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<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	<0.00013	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<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	<0.000042	<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	<0.000021	<0.000021	<0.00012
2-Methylnaphthalene	*0.098*	*0.29*	<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	<0.000019	<0.000019	<0.000019	<0.000019	0.00028
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007
Acenaphthene	*1.5*	*4.4*	<0.000036	<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	0.00045
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00006
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	<0.000014	0.00034
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	<0.000037	<0.000037	<0.000037	<0.000037	0.002
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00007
Dibenzofuran	*0.098*	*0.29*	<0.000028	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00035
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00002	<0.00002	<0.00002	<0.00002	0.0023
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00039
Fluorene	*0.98*	*2.9*	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00044
Naphthalene	*0.49*	*1.5*	<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	0.00003 J	0.000032 J	<0.00002	<0.00002	0.0095
Nitrobenzene	*0.049*	*0.15*	<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	<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	<0.000025	<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	<0.000079	<0.000079	<0.00008
Phenanthrene	*0.73*	*2.2*	<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	<0.000021	<0.000021	<0.000021	<0.000021	0.0011
Phenol	*7.3*	*22*	<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	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00029
Metals																			
Arsenic	*0.01*	*0.01*	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	0.000865 J	0.000563 J	0.000961 J	0.00105 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-60A 01/11/2019	MW-60A 07/17/2019
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	<0.0002	<0.00008	<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	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005		<0.00011	<0.00011	<0.00019	<0.00011	<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*			<0.0005	<0.001	<0.001	<0.0005		<0.00011	<0.00011	<0.00018	<0.00011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Xylenes (total)	*10*	*10*	<0.001	<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	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00038	<0.000106	<0.000105	<0.000104	<0.000104	<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	0.001	<0.00018	<0.000298	<0.000295	<0.000292	<0.000292	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<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	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<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	<0.000019	0.000072 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<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	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<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	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<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	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<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	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<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	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.00019	<0.000125	<0.000124	<0.000123	<0.000123	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	<0.000092	<0.00055
Chrysene	*0.91*	*2*	<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	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<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	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	0.000064 J	0.000075 J
Fluoranthene	*0.98*	*2.9*	<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	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<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	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<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	<0.00002	<0.00013
Nitrobenzene	*0.049*	*0.15*	<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	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<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	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<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	<0.000021	<0.000021
Phenol	*7.3*	*22*	<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	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<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	<0.000019	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*												0.000649 J	0.000706 J	0.000636 J	0.00453	0.00044 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-60AR 01/12/2023	MW-60AR 07/17/2023	MW-61A 02/03/2009	MW-61A 01/20/2010	MW-61A 07/01/2010	MW-61A 01/27/2011	MW-61A 07/21/2011	MW-61A 02/07/2012	MW-61A 07/27/2012	MW-61A 04/02/2013
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	<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	<0.0002	<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	<0.0003	<0.0003	<0.0003	<0.0003	<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	<0.0003	<0.0003	<0.0003	<0.0003	<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	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015
Vinyl chloride	*0.002*	*0.002*														<0.001	<0.001	<0.0005	<0.00011
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<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	<0.000021	<0.000021	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000106
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00011 J	<0.00004	<0.00004	<0.00004	<0.00008	<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	<0.000058	<0.000058	<0.00009	<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	<0.000042	<0.000042	<0.00007	<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	<0.000021	<0.000021	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000769
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00002 J	<0.000019	<0.000019	0.00041	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<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	<0.00002	<0.00002	<0.00008	<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	<0.000047	<0.000047	<0.00007	<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	<0.000027	0.000071 J	0.000037 J	<0.000027	<0.000027	<0.000027	0.00017 J	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000769
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	<0.00005	<0.0000577
Anthracene	*7.3*	*22*	<0.000014	0.000095 J	0.000019 J	<0.000014	0.00002 J	<0.000014	0.000076 J	<0.000014	<0.000014	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000481
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	<0.00005	<0.0000769
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	<0.00005	<0.0000769
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000063 J	0.000077 J	<0.000037	<0.00013	<0.00023	0.00015 J	<0.000064	<0.000037	<0.000037	0.0017	<0.002	<0.0021	<0.0002	0.00023	0.00038	0.00027	<0.000356
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	<0.00005	<0.0000769
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	0.000071 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000769
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.0002	<0.00002	<0.00002	0.000029 J	<0.00002	<0.00002	<0.00002	<0.00002	0.011	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000106
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.000013 J	<0.00001	<0.00001	<0.00001	0.000028 J	<0.00001	<0.00001	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000673
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	0.000068 J	0.000032 J	<0.00003	<0.00003	<0.00003	0.00011 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000673
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.00002	0.00004 J	<0.00014	0.0002	<0.00002	0.00012	0.0066	<0.0001	<0.00018	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000769
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	<0.00005	<0.000106
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00009	<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	<0.000079	<0.000079	<0.00008	<0.00008	<0.00032	<0.00008	<0.00005	<0.00005	<0.00005	<0.000587
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	0.000056 J	<0.000021	0.000039 J	<0.000021	<0.000021	0.00021	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00016 J	<0.0000577
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	<0.00005	<0.0000385
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00002 J	<0.000019	<0.000019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000106
Metals																			
Arsenic	*0.01*	*0.01*	0.00189 J	0.00369	0.0037	0.00177 J	<0.000872	0.001 J	0.000994 J	<0.00165	0.00141 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-61A 07/22/2022	MW-61A 01/25/2023	MW-61A 07/13/2023	MW-62B 02/04/2009
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
Benzene	*0.005*	*0.005*	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
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	<0.0003	<0.0003	<0.0005
Ethylbenzene	*0.7*	*0.7*	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00071 J
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005
Toluene	*1*	*1*	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
Vinyl chloride	*0.002*	*0.002*	<0.00011	<0.00018	<0.00011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002							
Xylenes (total)	*10*	*10*	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<0.000021	<0.000021	<0.000021	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<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	<0.00004	<0.00004	<0.00004	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000058	<0.000058	<0.000058	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000042	<0.000042	<0.000042	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<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	<0.000021	<0.000021	<0.000021	<0.00012
2-Methylnaphthalene	*0.098*	*0.29*	<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	<0.000019	<0.000019	<0.000019	0.00012 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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	<0.00002	<0.00002	<0.00002	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<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	<0.000047	<0.000047	<0.000047	<0.00007
Acenaphthene	*1.5*	*4.4*	<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	0.000047 J	<0.000027	<0.000027	0.0078
Acenaphthylene	*1.5*	*4.4*	<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	<0.000015	<0.000015	<0.000015	<0.00006
Anthracene	*7.3*	*22*	<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	<0.000014	<0.000014	<0.000014	0.00024
Benzo(a)anthracene	*0.0091*	*0.02*	<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	<0.00005	<0.00005	<0.00005	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00002	<0.00002	<0.00002	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<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	<0.00003	<0.00003	<0.00003	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	<0.000037	<0.000037	<0.000037	0.00041
Chrysene	*0.91*	*2*	<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	<0.000021	<0.000021	<0.000021	<0.00007
Dibenzofuran	*0.098*	*0.29*	<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	<0.00002	<0.00002	<0.00002	0.0024
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00002	<0.00002	<0.00002	0.00065
Fluoranthene	*0.98*	*2.9*	<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	0.00002 J	<0.00001	0.00006 J	0.00012 J
Fluorene	*0.98*	*2.9*	<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	<0.00003	<0.00003	0.000054 J	0.0012
Naphthalene	*0.49*	*1.5*	<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	<0.000061	<0.00002	0.00018	0.0027
Nitrobenzene	*0.049*	*0.15*	<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	<0.000024	<0.000024	<0.000024	<0.00009
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.000025	<0.000025	<0.000025	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<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	<0.000079	<0.000079	<0.000079	<0.00008
Phenanthrene	*0.73*	*2.2*	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	<0.000027	<0.000021	0.00014	0.00087
Phenol	*7.3*	*22*	<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	<0.000035	<0.000035	<0.000035	<0.00007
Pyrene	*0.73*	*2.2*	<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	0.000022 J	<0.000019	<0.000019	<0.00007
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	<0.0004	0.00207	0.000511 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-62B 05/24/2018	MW-62B 01/23/2019	MW-62B 07/16/2019
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	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<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	0.0021	<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	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<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	0.013	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.0013		<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<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	0.003	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	<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	0.014	<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	<0.0001	<0.000105	<0.000104	<0.000109	<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	<0.000282	<0.000295	<0.000292	<0.000307	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00009	<0.00009	<0.00009	<0.00005		<0.00005	<0.00005	<0.000118	<0.000124	<0.000123	<0.000129	<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	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<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	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.0016	0.00064	<0.00007	<0.00005		<0.00005	<0.00006	<0.000174	<0.0000667	<0.000066	<0.0000693	<0.000019	<0.000019	0.00011	<0.000019	0.000096 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00008	<0.00008	<0.00008	<0.00008		<0.00008	<0.00008	<0.000755	<0.00079	<0.000783	<0.000822	<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	<0.000509	<0.000533	<0.000528	<0.000554	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	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	0.11	<0.000027	0.000099 J
Acenaphthylene	*1.5*	*4.4*	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	0.0013	<0.000015	<0.000015
Anthracene	*7.3*	*22*	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	0.0044	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00007	<0.00007	<0.00007	<0.00005		<0.00005	<0.00005	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<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	<0.000118	<0.000124	<0.000123	<0.000129	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	0.00013 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.00007	<0.00007	<0.00007	<0.00005		<0.00005	<0.00005	<0.0000727	<0.0000762	<0.0000755	<0.0000792	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	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	0.048	<0.00002	0.000048 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	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	0.0041	<0.00001	0.000017 J
Fluorene	*0.98*	*2.9*	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	0.034	<0.00003	0.000036 J
Naphthalene	*0.49*	*1.5*	0.00028	0.0096	<0.0001	0.035		<0.00021	0.0056	<0.00129	<0.0000762	<0.0000755	<0.0000792	<0.00002	<0.00002	0.038	<0.00002	0.00028
Nitrobenzene	*0.049*	*0.15*	<0.00009	<0.00009	<0.00009	<0.00005		<0.00005	<0.00005	<0.0001	<0.000105	<0.000104	<0.000109	<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	<0.0000909	<0.0000952	<0.0000943	<0.000099	<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	<0.000555	<0.000581	<0.000575	<0.000604	<0.000079	0.00033	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	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	0.0083	<0.000021	0.000021 J
Phenol	*7.3*	*22*	<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	<0.000035	<0.000035	0.00056
Pyrene	*0.73*	*2.2*	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	0.002	<0.000019	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*												0.00842	**0.0173**	**0.028**	<0.0004	0.00194 J

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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-62B 01/18/2023	MW-62B 07/10/2023	MW-64A 02/04/2009	MW-64A 01/21/2010	MW-64A 07/14/2010	MW-64A 01/27/2011	MW-64A 07/27/2011	MW-64A 02/08/2012	MW-64A 07/25/2012	MW-64A 04/01/2013
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	<0.0005	<0.001	<0.001	<0.0005	<0.00014
Benzene	*0.005*	*0.005*	<0.0002	0.0022	<0.0002	0.0012	<0.0002	0.0027	<0.0002	<0.0002	<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	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012
Ethylbenzene	*0.7*	*0.7*	<0.0003	0.018	<0.0003	0.0071	<0.0003	0.02	<0.0003	<0.0003	<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	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015
Toluene	*1*	*1*	<0.0002	0.0052	<0.0002	0.0018	<0.0002	0.0057	<0.0002	<0.0002	<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	0.023	<0.0003	0.0077	<0.0003	0.025	<0.0003	<0.0003	<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	**<0.0021**	<0.000021	<0.000021	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000106
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	0.00013 J	<0.00004	<0.004	<0.00004	<0.00004	<0.00008	<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	**<0.0058**	<0.000058	<0.000058	<0.00009	<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	**<0.0042**	<0.000042	<0.000042	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000769
2-Chloronaphthalene	*2*	*5.8*	0.00016 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021	<0.000021	<0.000021	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000769
2-Methylnaphthalene	*0.098*	*0.29*	0.00011	0.00058	<0.000019	0.00027	<0.000019	<0.0019	<0.000019	<0.000019	0.00014 J	<0.00007	<0.00007	<0.00007	<0.00005	0.000053 J	<0.00005	<0.0000673
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.002	<0.00002	<0.00002	<0.00008	<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	<0.0047	<0.000047	<0.000047	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000538
Acenaphthene	*1.5*	*4.4*	0.04	0.064	0.016	0.054	<0.000027	0.084	<0.000027	<0.000027	0.00029	<0.00009	<0.00009	<0.00009	<0.00005	0.0096	<0.00005	<0.0000769
Acenaphthylene	*1.5*	*4.4*	0.00029	0.00086	0.00076	0.0005	<0.000015	<0.0015	<0.000015	<0.000015	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	0.0005	<0.00005	<0.0000577
Anthracene	*7.3*	*22*	0.00096	0.0034	0.0002	0.002	<0.000014	0.0037 J	<0.000014	<0.000014	0.00016 J	<0.00007	<0.00007	<0.00007	0.00036	<0.00005	<0.00005	0.000158 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.005	<0.00005	<0.00005	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000769
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000024 J	<0.00002	<0.00002	<0.00002	**<0.002**	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000769
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	**<0.003**	<0.00003	<0.00003	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000095 J	<0.00011	<0.00011	<0.000037	<0.000037	<0.0037	<0.000037	0.00007 J	0.0004	<0.0016	0.002	0.00049	0.00076	<0.00013	0.00021	<0.000356
Chrysene	*0.91*	*2*	0.000027 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021	<0.000021	<0.000021	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000769
Dibenzofuran	*0.098*	*0.29*	0.0042	0.038	0.0013	0.021	<0.00002	0.045	<0.00002	<0.00002	0.00012 J	<0.00008	<0.00008	<0.00008	0.0013	<0.00005	<0.00005	<0.0000769
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00014 J	<0.00002	0.00023	<0.00002	<0.00002	<0.002	<0.00002	0.00044	0.02	<0.00007	<0.00007	<0.00007	0.000079 J	<0.00005	0.000084 J	<0.000106
Fluoranthene	*0.98*	*2.9*	0.002	0.0035	0.0013	0.0026	<0.00001	<0.0041	<0.00001	<0.00001	0.00076	<0.00007	<0.00007	<0.00007	0.00057	0.00021	<0.00005	<0.0000673
Fluorene	*0.98*	*2.9*	0.011	0.03	0.0015	0.02	<0.00003	0.036	<0.00003	<0.00003	0.00018 J	<0.00007	<0.00007	<0.00007	<0.00005	0.00012 J	<0.00005	<0.0000673
Naphthalene	*0.49*	*1.5*	0.001	0.092	<0.00013	0.069	<0.00002	0.23	0.00012	0.000079 J	0.00092	<0.0001	<0.0001	<0.0001	<0.00005	<0.00063	<0.00005	<0.0000769
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	0.00041	<0.000024	<0.0024	<0.000024	<0.000024	<0.00009	<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	<0.0025	<0.000025	<0.000025	<0.00009	<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	**<0.0079**	<0.000079	<0.000079	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000587
Phenanthrene	*0.73*	*2.2*	0.00087	0.0089	<0.000021	0.0017	<0.000021	0.012	<0.000021	<0.000021	0.00055	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000577
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000092	<0.000035	<0.000035	<0.0035	<0.000035	<0.000035	<0.00007	<0.00007	<0.00007	<0.00007	0.000077 J	<0.00005	<0.00005	<0.0000385
Pyrene	*0.73*	*2.2*	0.0013	0.0016	0.00082	0.0014	<0.000019	<0.0019	<0.000019	<0.000019	0.00063	<0.00007	<0.00007	<0.00007	0.00042	0.00013 J	<0.00005	<0.000106
Metals																		
Arsenic	*0.01*	*0.01*	**0.0161**	**0.0285**	**0.0163**	**0.0219**	0.00104 J	**0.0418**	0.0022	0.000558 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-64A 07/13/2022	MW-64A 01/18/2023	MW-64A 07/10/2023	MW-65D 02/05/2009
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
Benzene	*0.005*	*0.005*	<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	<0.0002	<0.0002	<0.0002	<0.0005
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	<0.0003	<0.0003	<0.0005
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	<0.0003	<0.0003	<0.0005
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00095 J
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	<0.0002	<0.0002	<0.0005
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	<0.0003	<0.0003	<0.001
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<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	<0.000021	<0.000021	<0.000021	<0.0001
2,4-Dimethylphenol	*0.49*	*1.5*	<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	<0.00004	<0.00004	<0.00004	<0.00008
2,4-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000058	<0.000058	<0.000058	<0.00009
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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	<0.000042	<0.000042	<0.000042	<0.00007
2-Chloronaphthalene	*2*	*5.8*	<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	<0.000021	<0.000021	<0.000021	<0.00012
2-Methylnaphthalene	*0.098*	*0.29*	<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	0.000022 J	<0.000019	<0.000019	0.00012 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<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	<0.00002	<0.00002	<0.00002	<0.00008
4-Nitrophenol	*0.049*	*0.15*	<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	<0.000047	<0.000047	<0.000047	<0.00007
Acenaphthene	*1.5*	*4.4*	<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	<0.000027	<0.000027	<0.000027	0.00019 J
Acenaphthylene	*1.5*	*4.4*	<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	<0.000015	<0.000015	<0.000015	<0.00006
Anthracene	*7.3*	*22*	<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	0.000034 J	<0.000014	<0.000014	0.000078 J
Benzo(a)anthracene	*0.0091*	*0.02*	<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	<0.00005	<0.00005	<0.00005	<0.00007
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00002	<0.00002	<0.00002	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<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	<0.00003	<0.00003	<0.00003	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	0.00046	<0.000037	0.000062 J	0.0019
Chrysene	*0.91*	*2*	<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	<0.000021	<0.000021	<0.000021	<0.00007
Dibenzofuran	*0.098*	*0.29*	<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	<0.00002	<0.00002	<0.00002	0.00016 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	0.000025 J	<0.00002	0.00028	0.00029
Fluoranthene	*0.98*	*2.9*	<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	<0.00001	<0.00001	<0.00001	0.000097 J
Fluorene	*0.98*	*2.9*	<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	<0.00003	<0.00003	<0.00003	0.00016 J
Naphthalene	*0.49*	*1.5*	<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	0.000069 J	0.00009 J	<0.00002	0.00051
Nitrobenzene	*0.049*	*0.15*	<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	<0.000024	<0.000024	<0.000024	<0.00009
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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	<0.000025	<0.000025	<0.000025	<0.00009
Pentachlorophenol	*0.001*	*0.001*	<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	<0.000079	<0.000079	<0.000079	<0.00008
Phenanthrene	*0.73*	*2.2*	<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	<0.000021	<0.000021	<0.000021	0.00014 J
Phenol	*7.3*	*22*	<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	<0.000035	<0.000035	<0.000035	<0.00007
Pyrene	*0.73*	*2.2*	<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	0.000031 J	<0.000019	<1.9E-06	<0.00007
Metals																			
Arsenic	*0.01*	*0.01*				0.000419 J	**0.0117**	0.00111 J	<0.0004	0.00939	0.00126 J	0.0049	0.00131 J	0.0014 J	0.00257	0.00391	0.0022	0.000666 J	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-65D 01/24/2019	MW-65D 07/31/2019	MW-65D 01/16/2020
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<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	<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	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	<0.001	<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	<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	<0.000105	<0.000108	<0.000104	<0.00011	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000295	<0.000304	<0.000292	<0.00031	<0.00004	<0.00004	<0.00004	<0.00009	<0.00004	<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	<0.00013	<0.000058	<0.000059	<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	<0.00008	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000784	<0.0000755	<0.00008	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<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	0.00016	<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	<0.00079	<0.000814	<0.000783	<0.00083	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000533	<0.000549	<0.000528	<0.00056	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<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	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<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	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<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	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<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	<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	<0.00008	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000127	<0.000123	<0.00013	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	0.00006 J	0.00016 J	0.00026
Chrysene	*0.91*	*2*	<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	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	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	0.000039 J	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<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	0.000027 J	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<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	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	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	<0.0026	<0.00002	<0.00002
Nitrobenzene	*0.049*	*0.15*	<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	<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	<0.0001	<0.000025	<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	<0.00061	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<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	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	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	<0.00019	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<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	<0.000019	<0.000019	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*											<0.0004	0.00761	0.00292	0.00202	0.00135 J	0.000507 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-65D 02/02/2023	MW-65D 07/14/2023	MW-66D 02/05/2009	MW-66D 01/20/2010	MW-66D 07/01/2010	MW-66D 07/27/2011	MW-66D 02/14/2012	MW-66D 07/23/2012	MW-66D 04/02/2013	MW-66D 08/05/2013	MW-66D 01/29/2014	MW-66D 08/28/2014
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.00014	<0.00014
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.00008	<0.00008
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00012	<0.00012
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00011	<0.00011
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00015	<0.00015
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00015	<0.00015
Vinyl chloride	*0.002*	*0.002*	<0.0002																
Xylenes (total)	*10*	*10*	<0.0003	0.0011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00026	<0.00026
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000106	<0.00011	<0.000104	<0.000109
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004		<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000298	<0.00031	<0.000292	<0.000307
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058		<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125	<0.00013	<0.000123	<0.000129
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042		<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000769	<0.00008	<0.0000755	<0.0000792
2-Chloronaphthalene	*2*	*5.8*	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00012	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000769	<0.00008	<0.0000755	<0.0000792
2-Methylnaphthalene	*0.098*	*0.29*	0.000051 J		<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00062	<0.00007	<0.00007	<0.00005	<0.00005	0.000085 J	<0.0000673	<0.00007	<0.000066	0.000211 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000798	<0.00083	<0.000783	<0.000822
4-Nitrophenol	*0.049*	*0.15*	<0.000047		<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000538	<0.00056	<0.000528	<0.000554
Acenaphthene	*1.5*	*4.4*	0.000041 J		0.000065 J	<0.000027	<0.000027	<0.000027	<0.000027	0.0004	<0.00009	<0.00009	<0.00005	<0.00005	0.000054 J	<0.0000769	<0.00008	0.000145 J	0.000141 J
Acenaphthylene	*1.5*	*4.4*	<0.000015		<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00006	<0.00007	<0.00007	<0.00005	<0.00005	0.000081 J	<0.0000577	<0.00006	<0.0000566	0.000411 J
Anthracene	*7.3*	*22*	0.000022 J		<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00015 J	<0.00007	<0.00007	0.00022	0.00027	0.00059	<0.0000481	<0.00005	<0.0000472	0.00304
Benzo(a)anthracene	*0.0091*	*0.02*	0.000058 J		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00007	<0.00007	<0.00007	0.00011 J	0.00012 J	0.00036	<0.0000769	<0.00008	<0.0000755	0.00041 J
Benzo(a)pyrene	*0.0002*	*0.0002*	0.000034 J		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.00008	0.00016 J	0.00013 J	**0.00067**	<0.0000769	<0.00008	<0.0000755	**0.000436 J**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003		<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000125	<0.00013	<0.000123	<0.000129
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000073 J		0.00022	<0.000037	<0.000037	<0.000037	<0.000037	**0.0064**	<0.0028	<0.00096	0.0019	<0.0002	0.0032	<0.000356	<0.00037	<0.000349	0.000585
Chrysene	*0.91*	*2*	<0.00004		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00007	<0.00007	<0.00007	0.00046	0.00052	0.0018	<0.0000769	<0.00008	<0.0000755	0.00104
Dibenzofuran	*0.098*	*0.29*	0.000029 J		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00036	<0.00008	0.000083 J	<0.00005	<0.00005	0.000066 J	<0.0000769	<0.00008	<0.0000755	0.000133 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000025 J		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00044	0.000086 J	<0.00007	0.000056 J	<0.00005	<0.000078	<0.000106	<0.00011	<0.000104	0.000121 J
Fluoranthene	*0.98*	*2.9*	<0.000048		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00026	<0.00007	<0.00007	0.00035	0.00057	0.0019	<0.0000673	<0.00007	<0.000066	0.00116
Fluorene	*0.98*	*2.9*	<0.00003		<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00033	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000673	<0.00007	<0.000066	0.000143 J
Naphthalene	*0.49*	*1.5*	0.00057		<0.00025	<0.00002	<0.00002	0.000027 J	<0.00002	0.0058	<0.0001	<0.0002	<0.00005	<0.00005	<0.0004	<0.0000769	0.0000999 J	0.000367 J	0.00118
Nitrobenzene	*0.049*	*0.15*	<0.000024		<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000106	<0.00011	<0.000104	<0.000109
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025		<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000962	<0.0001	<0.0000943	<0.000099
Pentachlorophenol	*0.001*	*0.001*	<0.000079		<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.00008	0.000084 J	<0.00005	<0.00005	<0.000587	<0.00061	<0.000575	<0.000604
Phenanthrene	*0.73*	*2.2*	<0.000067		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00073	0.00012 J	<0.00007	0.00011 J	0.00011 J	0.00058	<0.0000577	<0.00006	0.000132 J	0.000295 J
Phenol	*7.3*	*22*	<0.000035		<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000385	<0.00004	<0.0000377	<0.0000396
Pyrene	*0.73*	*2.2*	<0.000039		<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00017 J	<0.00007	<0.00007	0.00036	0.00051	0.0019	<0.000106	<0.00011	<0.000104	0.00118
Metals																			
Arsenic	*0.01*	*0.01*	0.00142 J	0.00123 J	0.00145 J	0.00134 J	0.000433 J	0.000402 J	0.00105 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-66D 02/03/2023	MW-66D 07/14/2023	MW-68A 05/29/2019	MW-68A 05/29/2019 Duplicate
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
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*	<0.000107	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.000301	<0.0004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000126	<0.00058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.000058	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.0000777	<0.00042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0000777	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<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	<0.000019	<0.000019	<0.000019	0.000026 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.000806	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000544	<0.00047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.0000777	<0.00027	<0.000028	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.00027	<0.000027	<0.000027	0.0012	0.0011
Acenaphthylene	*1.5*	*4.4*	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	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	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	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	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	<0.00005	<0.00005	<0.00005	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*	**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	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000126	<0.0003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	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	<0.000037	<0.000037	0.00015 J	0.000074 J
Chrysene	*0.91*	*2*	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	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<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	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000107	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000057	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	0.00087	0.00064
Fluoranthene	*0.98*	*2.9*	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	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.000068	<0.0003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	0.000044 J	0.000042 J
Naphthalene	*0.49*	*1.5*	<0.0000777	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00013	<0.000075	<0.00018	<0.00036	<0.00002	<0.0002	<0.00002	<0.00002	0.00019	0.00025
Nitrobenzene	*0.049*	*0.15*	<0.000107	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0000971	<0.00025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000592	<0.00079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079	<0.00008
Phenanthrene	*0.73*	*2.2*	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	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<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	<0.000035	<0.000035	0.000041 J	<0.000035
Pyrene	*0.73*	*2.2*	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	<0.000019	<0.000019	<0.000019	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*		0.000711 J	0.00663	0.00223	0.00204	0.00124 J	0.00138 J	**0.0188**	0.00574	0.00146 J	0.0014 J	<0.0004	0.00124 J	0.00113 J	0.00966	0.00894

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-68A 07/18/2019	MW-68A 01/17/2020	MW-68A 07/27/2020	MW-68A 01/18/2021	MW-68A 07/20/2021	MW-68A 01/20/2022	MW-68A 07/19/2022	MW-68A 01/09/2023	MW-68A 07/19/2023	MW-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	MW-68B 07/24/2014	MW-68B 07/24/2014 Duplicate
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**<0.01**	<0.005	<0.005	**<0.014**	**<0.014**	<0.0002	<0.0002	<0.0028	<0.0028
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	0.00039 J	<0.0002	<0.0002	<0.0002	**<0.01**	**2.7**	**2.4**	**2.35**	**2.88**	**1.5**	**1.51**	**2.18**	**2.1**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.015	<0.005	<0.005	0.0273 J	<0.012	0.000454 J	0.000468 J	<0.0024	<0.0024
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.015	0.45	0.49	0.449	0.55	0.364	0.363	0.403	0.453
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.05**	**<0.0065**	**<0.01**	**<0.015**	**0.101**	<0.00022	<0.00022	<0.003	<0.003
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.01	0.91	0.93	0.701	0.625	0.329	0.329	0.538	0.57
Vinyl chloride	*0.002*	*0.002*													**<0.011**			**0.007 J**	**0.0022 J**
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.015	1.2	1.3	1.04	1.28	0.857	0.862	1.08	1.22
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00005	<0.00025	**<0.00524**	**<0.00519**	**<0.0105**	**<0.0105**	**<0.0055**	**<0.00529**
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	0.00023	<0.00004	<0.00004	<0.00004	0.000099 J	<0.00004	<0.0004	0.19	0.27	0.273	<0.0146	**0.536**	0.457 J	0.445	0.451
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00005	<0.00025	**<0.00619**	**<0.00613**	**<0.0124**	**<0.0124**	**<0.0065**	**<0.00625**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00006	<0.0003	**<0.00381**	**<0.00377**	**<0.00762**	**<0.00762**	**<0.004**	**<0.00385**
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00005	<0.00025	<0.00381	<0.00377	<0.00762	<0.00762	<0.004	<0.00385
2-Methylnaphthalene	*0.098*	*0.29*	0.00012	0.000048 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	**0.66**	**1.3**	**0.952**	**1.41**	**1.1**	**1.19**	**0.852**	**0.906**
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	<0.00008	<0.0004	**<0.0395**	**<0.0392**	**<0.079**	**<0.079**	**<0.0415**	**<0.0399**
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00005	<0.00025	<0.0267	<0.0264	**<0.0533**	**<0.0533**	<0.028	<0.0269
Acenaphthene	*1.5*	*4.4*	0.0019	0.0003	0.00032	0.00061	<0.000027	<0.000027	<0.000027	<0.000027	0.00054 J	0.15	0.23	0.261	0.304	0.263	0.26	0.178	0.181
Acenaphthylene	*1.5*	*4.4*	<0.000015	0.000054 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	0.0023	0.003	<0.00286	<0.00283	<0.00571	<0.00571	<0.003	<0.00288
Anthracene	*7.3*	*22*	0.000028 J	0.000059 J	<0.000024	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00014	0.046	0.034	0.0194 J	0.023 J	0.0428 J	0.0292 J	0.0169 J	0.0162 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	0.006	0.0054	<0.00381	<0.00377	**0.0123 J**	0.00762 J	<0.004	<0.00385
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	**0.0017**	**0.0016**	**<0.00381**	**<0.00377**	**<0.00762**	**<0.00762**	**<0.004**	**<0.00385**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00005	<0.00025	**<0.00619**	**<0.00613**	**<0.0124**	**<0.0124**	**<0.0065**	**<0.00625**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00024	<0.000061	0.000077 J	<0.000037	0.000051 J	0.00015 J	<0.000037	<0.000037	<0.00037	<0.0001	<0.0005	**<0.0176**	**<0.0175**	**<0.0352**	**<0.0352**	**<0.0185**	**<0.0178**
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000029	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	0.0052	0.005	<0.00381	<0.00377	0.00806 J	0.00976 J	<0.004	<0.00385
Dibenzofuran	*0.098*	*0.29*	0.000082 J	<0.00002	<0.000027	0.000066 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	**0.19**	**0.3**	**0.26**	**0.325**	**0.284**	**0.276**	**0.198**	**0.196**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00015 J	0.000034 J	<0.000046	0.00044	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00005	<0.00025	<0.00524	<0.00519	<0.0105	<0.0105	<0.0055	<0.00529
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00013	<0.00014	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00032 J	0.05	0.044	<0.00333	0.00764 J	0.052	0.0357 J	0.00825 J	0.00751 J
Fluorene	*0.98*	*2.9*	0.00012	0.000069 J	<0.000041	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	0.096	0.13	0.118	0.154	0.149	0.143	0.0966	0.0953
Naphthalene	*0.49*	*1.5*	0.00035	<0.00022	<0.000029	<0.00002	<0.00002	<0.00002	<0.000035	<0.00002	<0.0002	**14**	**26**	**11.8**	**31.2**	**17**	**17.6**	**10.5**	**12.6**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00005	<0.00025	<0.00524	<0.00519	<0.0105	<0.0105	<0.0055	<0.00529
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	0.0011	<0.00025	<0.00476	<0.00472	<0.00952	<0.00952	<0.005	<0.00481
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00005	<0.00025	**<0.029**	**<0.0288**	**<0.0581**	**<0.0581**	**<0.0305**	**<0.0293**
Phenanthrene	*0.73*	*2.2*	0.000062 J	0.00016	<0.00011	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	0.19	0.24	0.12	0.136	0.263	0.196	0.106	0.103
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	0.035	0.058	0.0421	0.0795	0.0862	0.0929	0.00988 J	0.00192 J
Pyrene	*0.73*	*2.2*	<0.000019	0.000068 J	<0.000072	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	0.031	0.024	<0.00524	<0.00519	0.0341 J	0.0227 J	<0.0055	<0.00529
Metals																			
Arsenic	*0.01*	*0.01*	**0.0353**	**0.0423**	**0.0825**	**0.0603**	**0.0468**	**0.129**	**0.0359**	**0.0456**	**0.0918**								

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-68B 01/29/2018	MW-68B 01/29/2018 Duplicate	MW-68B 03/21/2018	MW-68B 03/21/2018 Duplicate	MW-68B 06/06/2018	MW-68B 06/06/2018 Duplicate	MW-68B 01/15/2019	MW-68B 01/15/2019 Duplicate	MW-68B 07/18/2019	MW-68B 07/18/2019 Duplicate	MW-68B 01/23/2020 DNAPL	MW-68B 07/27/2020	MW-68B 07/27/2020 Duplicate	MW-68B 01/18/2021	MW-68B 07/21/2021	MW-68B 01/13/2022	MW-68B 07/19/2022
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.001	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.005	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002
Benzene	*0.005*	*0.005*	**2.1**	**2.2**	**1.4**	**1.4**	**1.9**	**2**	**2**	**1.9**	**1.4**	**1.4**	**1.4**	**2.3**	**2.3**	**0.15**	**0.81**	**0.071**	**0.13**
Chlorobenzene	*0.1*	*0.1*	<0.0015	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	0.00056 J	0.00056 J	<0.003	<0.003	<0.0075	<0.0015	<0.0015	<0.0003	<0.0015	<0.0015	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.61	0.56	0.29	0.28	0.5	0.5	0.5	0.49	0.52	0.51	0.39	0.55	0.57	0.17	0.31	0.081	0.066
Methylene chloride	*0.005*	*0.005*	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**<0.01**	**<0.01**	**<0.025**	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001
Toluene	*1*	*1*	0.45	0.42	0.2	0.19	0.45	0.44	0.086	0.084	0.37	0.37	0.23	0.7	0.7	0.12	0.33	0.046	0.046
Vinyl chloride	*0.002*	*0.002*											**<0.005**						
Xylenes (total)	*10*	*10*	1.6	1.5	0.83	0.84	1.4	1.4	1.2	1.2	1.5	1.4	1.1	1.5	1.5	0.55	0.1	0.48	0.4
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.00021	<0.00021	0.0008	<0.00021	<0.00021	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	0.051 J	0.071 J	0.07	0.065	0.075 J	0.23 J	0.05	0.058	0.076	0.076	0.075	0.018 J	0.025 J	0.0032	0.4	0.021	0.046
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.00058	<0.00059	<0.00059	<0.00058	<0.00058	<0.00058	0.0013 J	<0.00058	<0.00058	<0.000058	<0.00058	<0.00058	0.00016 J	<0.00058	<0.00058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.000042	<0.00042	<0.00042	0.000057 J	<0.00042	<0.00042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.00021	<0.00021	0.000065 J	<0.00021	<0.00021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	**0.6**	**0.6**	**0.67**	**0.67**	**1.4**	**1.3**	**0.33**	**0.31**	**0.72**	**0.66**	**1.1 J**	**2.9 J**	**0.63 J**	**0.21**	**0.3**	**0.29**	**0.69**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0011 J	<0.0002	<0.0002	<0.00002	<0.0002	<0.0002	0.00015 J	<0.0002	<0.0002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	0.0074 J	<0.00047	<0.00047	<0.000047	<0.00047	<0.00047	0.0028	<0.00047	<0.00047	<0.00047
Acenaphthene	*1.5*	*4.4*	0.13	0.15	0.21	0.22	0.34	0.36	0.1	0.13	0.2	0.17	0.44	1	0.23	0.069	0.1	0.12	0.25
Acenaphthylene	*1.5*	*4.4*	0.002	0.0024	0.0021	0.0016	0.0022	0.0029	0.0012	0.0014	0.0027	0.0022	0.0037	<0.00015	0.0025 J	0.00094	<0.00015	0.001	0.0025
Anthracene	*7.3*	*22*	0.014	0.014	0.014	0.012	0.015	0.021	0.008	0.0098	0.03 J	0.022 J	0.15	0.5 J	0.061 J	0.0077	0.99	0.053	0.055
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005	<0.0005	<0.00051	<0.00051	<0.0005	<0.0005	<0.0005	<0.0005	0.0051 J	0.003 J	**0.047**	**0.14 J**	**0.015 J**	0.0012	**0.29**	0.0012	**0.011**
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.0018**	**0.0012**	**0.0089**	**0.039 J**	**0.0046 J**	**0.00051**	**0.093**	**0.00069 J**	**0.0032**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	**0.0036**	<0.0003	<0.0003	<0.00003	<0.0003	<0.0003	**0.0017**	<0.0003	<0.0003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	0.0011	<0.00037	<0.00037	<0.00011	<0.00037	<0.00037	<0.00037
Chrysene	*0.91*	*2*	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	0.005 J	0.0029 J	0.04	0.099 J	0.012 J	0.0012	0.25	0.004	0.01
Dibenzofuran	*0.098*	*0.29*	**0.16**	**0.16**	**0.24**	**0.25**	**0.38**	**0.38**	**0.1**	**0.12**	**0.21**	**0.18**	**0.5**	**1.3 J**	**0.27 J**	0.069	**0.2**	**0.12**	**0.28**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00018 J	<0.0002	<0.0002	<0.0001	<0.0002	<0.0002	<0.0002
Fluoranthene	*0.98*	*2.9*	0.0052	0.0049	0.006	0.005	0.0063	0.0088	0.0031	0.0039	0.043 J	0.027 J	0.31	**1 J**	0.11 J	0.0099	0.5	0.024	0.083
Fluorene	*0.98*	*2.9*	0.082	0.086	0.092	0.078	0.082 J	0.18 J	0.057	0.065	0.11	0.083	0.32	0.8 J	0.17 J	0.04	0	0.072	0.18
Naphthalene	*0.49*	*1.5*	**9.2**	**10**	**12**	**13**	**23**	**23**	**5**	**3.8**	**9.6**	**9.9**	**12**	**29 J**	**13 J**	**0.8**	0	**2.9**	**4.9**
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.000024	<0.00024	<0.00024	0.00054	<0.00024	<0.00024	<0.00024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	0.0051	<0.00025	<0.00025	<0.000025	<0.00025	<0.00025	0.00029	<0.00025	<0.00025	<0.00025
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.00079	<0.0008	<0.0008	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.000079	<0.00079	<0.00079	<0.000079	<0.00079	<0.00079	<0.00079
Phenanthrene	*0.73*	*2.2*	0.099	0.098	0.15	0.088	0.096 J	0.22 J	0.065	0.073	0.21	0.16	**0.95**	**3.1 J**	0.39 J	0.067	0.3	0.093	0.4
Phenol	*7.3*	*22*	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035	0.0019 J	0.0015 J	<0.00035	<0.00035	<0.000035	<0.00035	<0.00035	0.02	0.047	0.0024	0.0021
Pyrene	*0.73*	*2.2*	0.0025	0.0024	0.0032	0.0029	0.0045 J	0.0058 J	0.0015	0.0018	0.025 J	0.015 J	0.19	0.61 J	0.065 J	0.0063	0.6	0.015	0.055
Metals																			
Arsenic	*0.01*	*0.01*	**0.0114**	**0.0117**	**0.014**	**0.0151**	**0.0112**	**0.0107**	**0.0123**	**0.0125**	**0.0134**	**0.0129**	0.00944 J	**0.0113**	**0.0119**	0.00396	0.00858	0.00216	0.00957

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-68B 01/09/2023	MW-68B 07/19/2023	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	MW-68C 03/21/2018	MW-68C 06/06/2018	MW-68C 01/15/2019
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**1.7**	**2.4**	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	0.0049	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.000352	<0.00012	<0.00018	<0.00012	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.52	0.54	<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	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.00015	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.5	0.68	<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	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*											<0.00011	<0.00011				
Xylenes (total)	*10*	*10*	1.3	1.4	<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	0.00046 J	<0.0003	0.0011
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.0021**	<0.00021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000104		<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.031	0.0064	<0.00008	0.00012 J	0.00031	0.00095	0.0014	R	<0.000292	0.000454 J	<0.000292		<0.00004	0.0015	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.0058**	<0.00058	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000123	<0.000124	<0.000123		<0.000058	<0.000058	<0.000058	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.0042**	<0.00042	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000762	<0.0000755	<0.0000762	<0.0000755		<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0021	<0.00021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000762	<0.0000755		<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.6**	**0.22**	<0.00007	0.00016 J	0.00024	<0.00011	0.0025	0.00132	0.000301 J	0.00331	0.000188 J		<0.000019	0.00014	<0.000019	<0.000077
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.000783	<0.00079	<0.000783		<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.0047	<0.00047	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	R	<0.000528	<0.000533	<0.000528		<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.12	0.065	<0.00009	<0.00009	0.00013 J	<0.00005	0.0013	0.000647	<0.0000755	0.00183	0.000235 J		<0.000027	0.00017	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.0015	0.00097 J	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571	<0.0000566	<0.0000571	<0.0000566		<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.055	0.022	<0.00007	<0.00007	<0.00005	<0.00005	0.00089	<0.0000476	<0.0000472	0.00106	<0.0000472		<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.005	0.0063	<0.00007	<0.00007	<0.00005	<0.00005	0.00018 J	<0.0000762	<0.0000755	0.000276 J	<0.0000755		<0.00005	<0.00005	<0.00005	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.002**	**0.0019**	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	0.000171 J	<0.0000755		<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.003**	<0.0003	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000123	<0.000124	<0.000123		<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0037	<0.00037	0.00098	0.006	0.001	<0.0015	0.0018	0.000637	0.00157 J	<0.000352	<0.000349		0.00015 J	<0.000037	<0.00056	<0.000044
Chrysene	*0.91*	*2*	<0.0021	0.0053	<0.00007	<0.00007	<0.00005	<0.00005	0.00016 J	<0.0000762	<0.0000755	0.000301 J	<0.0000755		<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	**0.17**	0.086	<0.00008	<0.00008	0.0002 J	<0.000078	0.0018	0.000168 J	<0.0000755	0.00192	0.0000942 J		<0.00002	<0.00002	<0.00002	0.000066 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.002	<0.0002	<0.00007	<0.00007	<0.00005	<0.00005	0.00011 J	<0.000105	<0.000104	<0.000105	<0.000104		<0.00002	<0.00002	0.0001 J	<0.00002
Fluoranthene	*0.98*	*2.9*	0.05	0.043	<0.00007	<0.00007	<0.00005	<0.00005	0.0016	<0.0000667	<0.000066	0.00233	<0.000066		<0.00001	<0.00001	0.00021	<0.00001
Fluorene	*0.98*	*2.9*	0.084	0.048	<0.00007	<0.00007	0.0001 J	<0.00005	0.0012	0.00034 J	0.000135 J	0.00167	0.000155 J		<0.00003	0.00012	<0.00003	0.000057 J
Naphthalene	*0.49*	*1.5*	**11**	**2.8**	0.00083	0.0014	0.0027	<0.0015	0.015	0.0129	0.00643 J	0.0112	0.00274		0.00088	0.0032	0.00035	<0.00079
Nitrobenzene	*0.049*	*0.15*	<0.0024	<0.00024	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000105	<0.000104		<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0025	<0.00025	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0000943	<0.0000952	<0.0000943		<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	**<0.0079**	<0.00079	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	R	<0.000575	<0.000581	<0.000575		<0.000079	<0.000079	<0.000079	<0.00008
Phenanthrene	*0.73*	*2.2*	0.2	0.11	<0.00007	<0.00007	0.00016 J	<0.00005	0.005	0.000499	<0.0000566	0.00585	<0.0000566		<0.000021	0.0001	<0.000021	0.000062 J
Phenol	*7.3*	*22*	<0.0035	<0.00035	0.0005	0.0039	0.0049	0.0074	0.000062 J	R	<0.0000377	<0.0000381	<0.0000377		<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.028	0.025	<0.00007	<0.00007	<0.00005	<0.00005	0.00086	<0.000105	<0.000104	0.0014	<0.000104		<0.000019	<0.000019	0.00015	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*	0.00942	0.00582											<0.0004	0.000618 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-68C 07/18/2019	MW-68C 01/17/2020	MW-68C 07/27/2020	MW-68C 01/15/2021	MW-68C 07/13/2021	MW-68C 01/13/2022	MW-68C 07/19/2022	MW-68C 01/09/2023	MW-68C 07/19/2023	MW-69A 07/15/2010	MW-69A 01/19/2011	MW-69A 07/21/2011	MW-69A 02/08/2012	MW-69A 07/24/2012	MW-69A 02/07/2013	MW-69A 08/06/2013	MW-69A 01/24/2014
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	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	0.00056 J	<0.0002	0.00036 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018
Ethylbenzene	*0.7*	*0.7*	<0.0003	0.00047 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017
Vinyl chloride	*0.002*	*0.002*												<0.001	<0.001	<0.0005	<0.00011	<0.00011	<0.00018
Xylenes (total)	*10*	*10*	<0.0003	0.00062 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	<0.000106
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	0.00045	<0.00004	0.0012	<0.00004	<0.00004	<0.0004	0.0036	<0.00008	<0.00005	<0.00005	0.000078 J	<0.000295	<0.00031	<0.000298
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	<0.000125
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	0.0012	<0.000042	<0.000042	<0.000042	0.00055	<0.00042	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000762	<0.00008	<0.0000769
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000769
2-Methylnaphthalene	*0.098*	*0.29*	0.000072 J	0.00033	<0.00013	<0.000019	<0.000019	0.00039	0.000079 J	0.00023	<0.00019	0.0038	0.000074 J	<0.00005	<0.00005	0.0009	<0.0000667	<0.00007	<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	<0.00002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00079	<0.00083	<0.000798
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000533	<0.00056	<0.000538
Acenaphthene	*1.5*	*4.4*	0.00012	0.000036 J	0.00038	<0.000027	0.000084 J	0.0004	<0.000027	<0.000027	<0.00027	0.0037	0.00025	<0.00005	<0.00005	0.00082	<0.0000762	<0.00008	<0.0000769
Acenaphthylene	*1.5*	*4.4*	0.000053 J	0.000023 J	0.000074 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000571	<0.00006	<0.0000577
Anthracene	*7.3*	*22*	<0.000014	0.000036 J	0.00071	0.000061 J	<0.000014	0.00051	<0.000014	<0.000014	<0.00014	0.00039	0.00024	<0.00005	<0.00005	0.00047	<0.0000476	<0.00005	0.000497
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	0.000055 J	<0.00039	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	0.00049	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000769
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000063 J	<0.00014	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	0.00013 J	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000769
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.00013	<0.000125
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00032	0.00029	0.00016 J	0.00053	<0.00024	<0.000037	0.000091 J	0.000089 J	<0.00037	0.0059	0.00081	0.00086	<0.00018	<0.0003	<0.000352	<0.00037	<0.000356
Chrysene	*0.91*	*2*	<0.000021	0.000054 J	<0.0003	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	0.00032	0.00011 J	<0.00005	<0.00005	<0.00005	<0.0000762	<0.00008	<0.0000769
Dibenzofuran	*0.098*	*0.29*	0.000064 J	0.00003 J	0.00042	<0.00002	<0.00002	<0.00037	<0.00002	<0.00002	<0.0002	0.003	0.00022	<0.00005	<0.00005	0.00071	<0.0000762	<0.00008	<0.0000769
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000067 J	<0.00002	<0.000021	<0.000034	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00007	<0.00007	0.000069 J	<0.00005	<0.00005	<0.000105	<0.00011	<0.000855
Fluoranthene	*0.98*	*2.9*	<0.00001	0.000074 J	0.0019	<0.00001	<0.00001	0.00023	0.00003 J	<0.00001	<0.0001	0.0025	0.00057	0.000059 J	<0.00005	0.00045	<0.0000667	<0.00007	<0.0000673
Fluorene	*0.98*	*2.9*	0.000051 J	0.000036 J	0.00047	<0.00003	<0.00003	0.00036	<0.00003	<0.000072	<0.0003	0.0033	0.00036	<0.00005	<0.00005	0.00085	<0.0000667	<0.00007	<0.0000673
Naphthalene	*0.49*	*1.5*	0.0011	<0.00052	<0.00066	<0.00002	<0.00002	0.0051	<0.00034	0.0024	<0.0002	0.026	0.00011 J	<0.00005	<0.00029	<0.004	<0.000142	<0.00008	<0.000713
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000105	<0.00011	<0.000106
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0001	<0.0000962
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000581	<0.00061	<0.000587
Phenanthrene	*0.73*	*2.2*	<0.000021	0.000042 J	0.0024	<0.000021	<0.000021	0.00043	0.000082 J	<0.000021	<0.00021	0.0083	0.0012	<0.00005	<0.00005	0.0022	<0.0000571	<0.00006	<0.00039
Phenol	*7.3*	*22*	0.00026	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	0.0069	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000381	<0.00004	<0.0000385
Pyrene	*0.73*	*2.2*	<0.000019	0.000092 J	0.0013	<0.000019	<0.000019	0.00014	0.000035 J	<0.000019	<0.00019	0.0022	0.00037	<0.00005	<0.00005	0.00033	<0.000105	<0.00011	<0.000106
Metals																			
Arsenic	*0.01*	*0.01*	<0.0004	<0.0004	<0.0004	0.000406 J	<0.0004	0.000403 J	0.000587 J	0.000922 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-69A 01/31/2023	MW-69A 07/17/2023	MW-70C 03/12/2020	MW-70C 03/12/2020 Duplicate	MW-70C 05/21/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0003 J	<0.0002		<0.0002	<0.0002	<0.0002	**0.01**	**0.0089**	**0.019**
Chlorobenzene	*0.1*	*0.1*	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	0.057	0.052	0.11
Methylene chloride	*0.005*	*0.005*	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	0.034	0.032	0.056
Vinyl chloride	*0.002*	*0.002*	<0.00011	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002										
Xylenes (total)	*10*	*10*	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.0003	<0.0003	<0.0003	0.064	0.061	0.13
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	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000022	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<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	0.0018	<0.00004	0.00041	<0.000041	<0.00004
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	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00006	<0.00006	<0.000058
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	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000044	<0.000043	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000022	<0.000022	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<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	0.00025	<0.000019	0.067 J	0.098 J	0.05
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	0.0021	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	<0.000021	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000528	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000049	<0.000048	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.0000755	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00011	0.019	0.00065	0.00012	0.00034	<0.000027	0.059 J	0.087 J	0.068
Acenaphthylene	*1.5*	*4.4*	<0.0000566	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000016	0.00074	0.00066
Anthracene	*7.3*	*22*	<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	0.0001 J	<0.000014	0.0049 J	0.0082 J	0.0035
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0000755	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.0033	<0.00005	<0.00005	0.00006 J	<0.00005	<0.000052	0.000079 J	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<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	<0.00002	<0.00002	<0.000021	<0.000021	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.000123	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.000031	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	0.00014 J	<0.000037	<0.000039	0.000052 J	<0.000037
Chrysene	*0.91*	*2*	<0.0000755	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.003	<0.000021	<0.000021	0.000066 J	<0.000021	<0.000022	0.000061 J	<0.000021
Dibenzofuran	*0.098*	*0.29*	<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	0.00017	<0.00002	0.055 J	0.078 J	0.053
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.000104	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000029	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	0.000061 J	0.0001 J	0.00016 J
Fluoranthene	*0.98*	*2.9*	<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	0.0003	<0.00001	0.003 J	0.0053 J	0.0027
Fluorene	*0.98*	*2.9*	<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	0.00022	<0.00003	0.028 J	0.038 J	0.034
Naphthalene	*0.49*	*1.5*	<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	0.0019	<0.00002	**1.6 J**	**2.5 J**	**1.1**
Nitrobenzene	*0.049*	*0.15*	<0.000104	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000025	<0.000025	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0000943	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000026	<0.000026	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000575	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079	0.00013 J	<0.000082	<0.000081	<0.000079
Phenanthrene	*0.73*	*2.2*	<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	0.00053	<0.000021	0.04	0.054	0.03
Phenol	*7.3*	*22*	<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	<0.000035	<0.000035	<0.000036	<0.000036	<0.000035
Pyrene	*0.73*	*2.2*	<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	0.00019	<0.000019	0.0017 J	0.0029 J	0.0011
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**	**0.0166**	0.000987 J	0.00598	0.0047	0.00663

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-70C 05/21/2020 Duplicate	MW-70C 07/28/2020	MW-70C 08/18/2020	MW-70C 01/27/2021	MW-70C 07/13/2021	MW-70C 01/13/2022	MW-70C 07/21/2022	MW-70C 01/10/2023	MW-70C 07/20/2023	MW-74B 02/09/2012	MW-74B 07/26/2012	MW-74B 04/02/2013	MW-74B 01/29/2014	MW-74B 08/28/2014	MW-74B 01/30/2018	MW-74B 03/28/2018
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**<0.01**	<0.005	<0.0028	<0.0007	<0.0028	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.018**	**0.021**		0.00059 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.35**	**0.71**	**0.552**	**0.795**	**0.652**	**0.47**	**0.58**
Chlorobenzene	*0.1*	*0.1*	<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	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.12	0.11		0.0017	0.0018	0.0003	<0.0003	<0.0003	<0.0003	0.086	0.14	0.147	0.203	0.2	0.25	0.12
Methylene chloride	*0.005*	*0.005*	<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	<0.001	<0.001
Toluene	*1*	*1*	0.06	0.056		0.0013	0.0007 J	<0.0002	<0.0002	<0.0002	<0.0002	0.32	0.56	0.533	0.774	0.741	0.75	0.56
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	0.14	0.11		0.002	0.0012	<0.0003	<0.0003	<0.0003	<0.0003	0.25	0.38	0.427	0.553	0.558	0.53	0.33
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	<0.0005	<0.0005	**<0.106**	**<0.208**	**<0.216**	**<0.0021**	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004		<0.00004	0.00022	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	**55**	**41**	**56.9**	**525**	**70.6**	**59**	**30**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058		<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.0005	<0.0005	**<0.125**	**<0.245**	**<0.255**	**<0.0058**	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042		<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0006	<0.0006	**<0.0769**	**<0.151**	**<0.157**	**<0.0042**	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.000021		<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0005	<0.0005	<0.0769	<0.151	<0.157	<0.0021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	0.047		<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	**0.39**	**0.43 J**	**0.673**	**5.52**	**0.95 J**	**0.3**	**2.4**
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	<0.0008	<0.0008	**<0.798**	**<1.57**	**<1.63**	<0.002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.000047		<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.0005	<0.0005	**<0.538**	**<1.06**	**<1.1**	0.033 J	<0.00047
Acenaphthene	*1.5*	*4.4*	0.053		0.00023	<0.000027	0.00015	<0.000027	<0.000027	0.000078 J	<0.000027	0.29	0.21	0.31 J	**2.4**	0.413 J	0.31	1.4
Acenaphthylene	*1.5*	*4.4*	0.00048		<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.0058	0.0062	<0.0577	<0.113	<0.118	0.012	0.019
Anthracene	*7.3*	*22*	0.0029		<0.000014	<0.000014	<0.000014	0.000098 J	<0.000014	<0.000014	<0.000014	0.037	0.024	<0.0481	0.282 J	<0.098	0.027	0.58
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	0.0022	**<0.0769**	**<0.151**	**<0.157**	<0.005	**0.22**
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002		<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**	**<0.002**	**0.064**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003		<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0005	<0.0005	**<0.125**	**<0.245**	**<0.255**	**<0.003**	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037		<0.000037	<0.00014	<0.000048	<0.000037	<0.000037	<0.000037	<0.000037	<0.001	<0.001	**<0.356**	**<0.698**	**<0.725**	<0.0037	<0.00037
Chrysene	*0.91*	*2*	<0.000021		<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	<0.0021	0.23
Dibenzofuran	*0.098*	*0.29*	0.046		<0.00002	<0.00002	0.000083 J	<0.00002	<0.00002	0.000096 J	<0.00002	**0.25**	**0.19**	**0.252 J**	**1.84**	**<0.157**	**0.24**	**1.4**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.0001 J		<0.00002	0.000077 J	0.000039 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.0005	<0.0005	<0.106	<0.208	<0.216	<0.002	<0.0002
Fluoranthene	*0.98*	*2.9*	0.002		<0.00001	<0.00001	<0.00001	0.00005 J	<0.00001	<0.00001	<0.00001	0.0044	0.018	<0.0673	<0.132	<0.137	0.015	**1.4**
Fluorene	*0.98*	*2.9*	0.027		0.00013	0.000076 J	0.000063 J	0.000076 J	<0.00003	0.000089 J	<0.00003	0.17	0.14 J	0.196 J	**1.34**	0.263 J	0.19	**1.4**
Naphthalene	*0.49*	*1.5*	**1.2**		<0.00002	<0.00014	0.0025	<0.00034	0.000086 J	0.00018	0.000028 J	**16**	**10**	**13.9**	**139**	**17.9**	**18**	**21**
Nitrobenzene	*0.049*	*0.15*	<0.000024		<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0005	<0.0005	**<0.106**	**<0.208**	**<0.216**	<0.0024	<0.00024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025		<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0005	<0.0005	<0.0962	<0.189	**<0.196**	<0.0025	<0.00025
Pentachlorophenol	*0.001*	*0.001*	<0.000079		<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.0005	<0.0005	**<0.587**	**<1.15**	**<1.2**	**<0.0079**	<0.00079
Phenanthrene	*0.73*	*2.2*	0.026		0.00012	0.00004 J	<0.000021	0.00017	<0.000021	<0.000021	<0.000021	0.15	0.15	0.169 J	**1.28**	0.307 J	0.16	**3.7**
Phenol	*7.3*	*22*	<0.000035		<0.000035	<0.000084	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	**43**	**38**	**63.2**	**420**	**53.3**	**56**	**25**
Pyrene	*0.73*	*2.2*	0.00082		<0.000019	<0.000019	<0.000019	0.000032 J	<0.000019	<0.000019	<0.000019	0.005	0.01	<0.106	<0.208	<0.216	0.0079 J	**0.83**
Metals																		
Arsenic	*0.01*	*0.01*	0.00606	0.00579		0.00109 J	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004						0.00162 J	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.
7. MW-32A was screened in the B-CZ & replaced with MW-32AR
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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-74B 01/18/2023	MW-74B 07/24/2023	MW-75B 02/08/2012 DNAPL	MW-75B 07/26/2012 DNAPL	MW-75B 04/02/2013 DNAPL	MW-75B 01/29/2014 DNAPL	MW-75B 07/24/2014 DNAPL	MW-75B 01/17/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.002	<0.001	<0.0002	<0.0002	<0.0002	**<0.02**	<0.001	<0.0002	<0.0002	<0.0002	**<0.01**	<0.0025	<0.0028	<0.0007	<0.00014	<0.0002
Benzene	*0.005*	*0.005*	**0.71**	**0.83**	**0.59**	**0.12**	**0.78**	**0.007**	**0.14**	**0.54**	**0.4**	<0.0002	<0.0002	**0.61**	**0.85**	**0.369**	**0.502**	**0.298**	**0.12**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.003	<0.0015	<0.0003	<0.0003	<0.0003	<0.03	<0.0015	<0.0003	<0.0003	<0.0003	<0.01	<0.0025	<0.0024	<0.0006	<0.00012	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.17 J	0.22	0.15	0.076	0.16	0.015	0.091 J	0.15	0.19	<0.0003	<0.0003	0.13	0.1	0.069	0.0773	0.0737	0.037
Methylene chloride	*0.005*	*0.005*	<0.001	**<0.01**	<0.005	<0.001	<0.001	<0.001	**<0.1**	**0.0051 J**	<0.001	<0.001	<0.001	**<0.013**	<0.005	<0.003	<0.00075	<0.00015	<0.001
Toluene	*1*	*1*	0.74	0.69	0.52	0.29	0.69	0.02	0.23	0.56	0.41	<0.0002	<0.0002	0.51	0.5	0.282	0.328	0.273	0.13
Vinyl chloride	*0.002*	*0.002*																<0.00011	
Xylenes (total)	*10*	*10*	0.51 J	0.63	0.42	0.2	0.41	0.049	0.26	0.41	0.52	<0.0003	<0.0003	0.41	0.33	0.247	0.276	0.255	0.11
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.0021**	<0.00021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	**<0.0021**	<0.000021	<0.000021	<0.0005	<0.0005	**<0.00212**	**<0.0519**	**<0.00214**	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	**57**	**9**	**37**	0.21	**8.3**	0.099	**5**	**2.7**	**18**	0.00037	<0.00004	0.18	**0.64**	0.0695	**6.35**	<0.00602	**0.86**
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.0058**	<0.00058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	<0.00058	**<0.0058**	<0.000058	<0.000058	<0.0005	<0.0005	**<0.0025**	**<0.0613**	**<0.00252**	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.0042**	<0.00042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042	<0.00042	**<0.0042**	<0.000042	<0.000042	<0.0006	<0.0006	**<0.00154**	**<0.0377**	**<0.00155**	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.0021	<0.00021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.000021	<0.000021	<0.0005	<0.0005	<0.00154	<0.0377	<0.00155	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.99**	**0.22**	**0.48**	**1.3**	**0.6**	**0.13**	**0.7**	**2.5**	**7.4**	<0.000019	<0.000019	**0.62**	**0.6 J**	**0.101**	**3.18**	**0.546**	**0.81**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.002	<0.0002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.00002	<0.00002	<0.0008	<0.0008	**<0.016**	**<0.392**	**<0.0161**	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.0047	<0.00047	<0.000047	<0.000047	<0.00047	<0.00047	<0.00047	<0.00047	<0.0047	<0.000047	<0.000047	<0.0005	<0.0005	<0.0108	**<0.264**	<0.0109	<0.000047
Acenaphthene	*1.5*	*4.4*	0.33	0.098	0.24	0.98	0.32	0.17	0.37	**1.9**	**5.5**	0.000034 J	<0.000027	0.34	0.26	0.0697	**2.57**	0.429	0.67
Acenaphthylene	*1.5*	*4.4*	0.0098 J	0.0032	0.0037	0.018	0.0083	0.0046	0.011	0.042	0.1	0.000071 J	0.000055 J	0.013	0.0058	<0.00115	0.0672 J	0.0121	0.0086
Anthracene	*7.3*	*22*	0.034	0.0074	0.0071	0.42	0.083	0.014	0.054	0.85	2.1	0.00011	0.000074 J	0.035	0.045	0.00948 J	0.605	0.0626	0.39
Benzo(a)anthracene	*0.0091*	*0.02*	<0.005	<0.0005	0.00022	**0.13**	**0.037**	0.0018	**0.0097**	**0.29**	**0.92**	0.00019	<0.00005	0.00064 J	0.0047	<0.00154	**0.0667 J**	0.00748 J	**0.12**
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.002**	<0.0002	<0.00002	**0.034**	**0.012**	**0.001**	**0.0045**	**0.074**	**0.29**	**0.0023**	**0.00031**	**<0.0005**	**0.0013 J**	**<0.00154**	**<0.0377**	**<0.00155**	**0.035**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.003**	<0.0003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003	<0.0003	**0.098**	<0.00003	<0.00003	<0.0005	<0.0005	**<0.0025**	**<0.0613**	**<0.00252**	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0037	<0.00037	<0.000037	0.0014	<0.00037	<0.00037	<0.00037	<0.00037	<0.0037	0.000099 J	<0.000037	<0.001	<0.001	**<0.00712**	**<0.175**	**<0.00718**	0.0021
Chrysene	*0.91*	*2*	<0.0021	<0.00021	0.00016	0.082	0.03	0.002	0.012	0.35	0.74	0.0004	0.00018	0.00062 J	0.0042	<0.00154	0.0704 J	0.00677 J	0.095
Dibenzofuran	*0.098*	*0.29*	**0.24**	0.079	**0.19**	**0.72**	**0.27**	0.085	**0.28**	**1.6**	**4.8**	<0.00002	<0.00002	**0.29**	**0.23**	0.0533	**1.56**	**0.214**	**0.54**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.002	<0.0002	<0.00002	0.0022	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.00002	<0.00002	<0.0005	<0.0005	<0.00212	<0.0519	<0.00214	0.0016
Fluoranthene	*0.98*	*2.9*	0.017	0.0038	0.0035	0.67	0.2	0.013	0.072	**1.9**	**6.3**	0.00035	0.00012	0.016	0.04	0.0103	0.708	0.0914	0.75
Fluorene	*0.98*	*2.9*	0.19	0.056	0.14	0.88	0.29	0.09	0.26	**1.9**	**5.6**	<0.00003	<0.00003	0.19	0.17 J	0.0425	**1.59**	0.218	0.61
Naphthalene	*0.49*	*1.5*	**19**	**4**	**13 J**	**8.5**	**5.9**	0.25	**2**	**19**	**48**	<0.00002	0.000036 J	**8.9**	**9.3**	0.211	**27.1**	**5.7**	**7.5**
Nitrobenzene	*0.049*	*0.15*	<0.0024	<0.0024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024	<0.00024	<0.0024	<0.000024	<0.000024	<0.0005	<0.0005	<0.00212	**<0.0519**	<0.00214	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0025	<0.00025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.00025	<0.0025	<0.000025	<0.000025	<0.0005	<0.0005	<0.00192	<0.0472	<0.00194	<0.000025
Pentachlorophenol	*0.001*	*0.001*	**<0.0079**	<0.00079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079	<0.00079	**<0.0079**	<0.000079	<0.000079	<0.0005	<0.0005	**<0.0117**	**<0.288**	**<0.0118**	<0.000079
Phenanthrene	*0.73*	*2.2*	0.17	0.046	0.087	**2.3**	0.58	0.086	0.35	**4.8**	**19**	0.00018	0.000021	0.24	0.27	0.0606	**2.13**	0.238	**1.9**
Phenol	*7.3*	*22*	**39**	5	**33**	0.048	5.5	0.00083 J	7	2	**14**	<0.000035	<0.000035	0.0066	0.0027	0.0069 J	0.108 J	<0.000777	0.0029
Pyrene	*0.73*	*2.2*	0.0077 J	0.002	0.0023	0.44	0.15	0.0079	0.044	**1.2**	**3.2**	0.00044	0.00013	0.0098	0.026	0.00617 J	0.416	0.0537	0.51
Metals																			
Arsenic	*0.01*	*0.01*	0.00131 J	0.0014 J	0.00128 J	0.000443 J	0.00137 J	<0.00197	<0.000939	0.00239	0.00284	0.00172 J	0.00136 J						0.00167 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-75B 07/21/2020	MW-75B 01/21/2021	MW-75B 07/14/2021	MW-75B 07/24/2023	MW-76B 03/12/2020	MW-76B 05/26/2020	MW-76B 07/20/2020	MW-76B 01/11/2021	MW-76B 07/27/2021	MW-76B 01/06/2022	MW-76B 07/14/2022	MW-76B 01/11/2023	MW-76B 07/09/2023	MW-76C 07/24/2014	MW-76C 10/03/2014	MW-76C 01/30/2018
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<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*	**0.0072**	0.0017	0.0012	**0.13**	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000149 J		<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<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*	0.04	0.0034	0.011	0.13	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00011		<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	**<0.01**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00015		<0.001
Toluene	*1*	*1*	0.05	0.0028	0.0059	0.28	<0.0002	<0.0002	<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		
Xylenes (total)	*10*	*10*	0.13	0.014	0.055	0.43	<0.0003	<0.0003	<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*	<0.00021	<0.000021	<0.00021	<0.00021	<0.000022	<0.000021	<0.000021	<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*	0.0046	0.0011	0.022	0.013	<0.000042	<0.00004	0.00021	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000292	<0.000301	0.0018
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.000058	<0.00058	<0.00058	<0.00006	<0.000058	<0.000058	<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*	<0.00042	<0.000042	<0.00042	<0.00042	<0.000044	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0000755	<0.0000777	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.000021	<0.00021	<0.00021	<0.000022	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0000755	<0.0000777	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.11**	0.000071 J	0.076	**0.58**	<0.00002	<0.000019	0.0002	<0.000019	<0.000019	0.000086 J	<0.000019	<0.000019	<0.000019	0.000392 J	0.0000976 J	0.0001
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.0002	<0.00002	<0.0002	<0.0002	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000783	<0.000806	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.000047	<0.00047	<0.00047	<0.000049	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000528	<0.000544	<0.000047
Acenaphthene	*1.5*	*4.4*	0.057	0.032	0.59	0.44	<0.000028	<0.000027	0.00017	<0.000027	0.000074 J	0.00017	<0.000027	0.000075 J	<0.000027	0.000696	0.00024 J	0.00015
Acenaphthylene	*1.5*	*4.4*	0.0013	0.00073	0.0074	<0.00015	<0.000016	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.0000566	<0.0000583	0.0002
Anthracene	*7.3*	*22*	0.009	0.0026	0.13	0.33	<0.000015	<0.000014	0.000076 J	<0.000014	0.000051 J	<0.000014	<0.000014	<0.000014	<0.000014	0.000234 J	0.00011 J	0.00006 J
Benzo(a)anthracene	*0.0091*	*0.02*	0.0019	0.0016	**0.013**	**0.061**	<0.000052	<0.00005	0.00011	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000777	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	**0.00064 J**	**0.00082**	**0.0039**	**0.019**	<0.000021	<0.00002	0.000066 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0000755	**0.000276 J**	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.00003	<0.0003	<0.0003	<0.000031	<0.00003	<0.00003	<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*	<0.00037	<0.000094	0.00071 J	<0.00037	<0.000039	0.000039 J	0.000046 J	<0.000037	<0.000037	<0.000037	<0.00049	<0.000037	<0.000037	0.000803	0.000714	<0.00024
Chrysene	*0.91*	*2*	0.0015	0.0016	0.014	0.053	<0.000022	<0.000021	0.00011	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0000755	<0.0000777	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.047	0.0073	**0.41**	**0.38**	<0.000021	<0.00002	0.00013	<0.00002	0.000058 J	0.000075 J	<0.00002	0.000048 J	<0.00002	0.000507	0.000159 J	0.00012
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	0.00014 J	<0.0002	<0.0002	0.000025 J	<0.00002	0.000027 J	<0.000034	<0.00002	<0.00002	<0.000021	<0.00002	0.00028	<0.000104	0.000124 J	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0098	0.0085	0.13	0.42	<0.00001	<0.00001	0.00025	0.000035 J	0.00011	<0.00001	<0.00001	<0.00001	<0.00001	0.000322 J	0.000188 J	0.00019
Fluorene	*0.98*	*2.9*	0.041	0.021	0.45	0.42	<0.000031	<0.00003	0.00013	<0.00003	0.000077 J	0.000059 J	<0.00003	0.000034 J	<0.00003	0.000778	0.000264 J	0.00016
Naphthalene	*0.49*	*1.5*	**1.4**	<0.0002	0.0065	**3.7**	0.000096 J	<0.00002	0.002	0.000032 J	<0.00024	<0.00034	<0.000049	<0.00002	<0.00002	0.00176	0.000506	<0.0028
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.000024	<0.00024	<0.00024	<0.000025	<0.000024	<0.000024	<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*	<0.00025	<0.000025	<0.00025	<0.00025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0000943	<0.0000971	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00079	<0.000079	**0.0024**	<0.00079	<0.000082	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	**0.00272**	<0.000592	<0.000079
Phenanthrene	*0.73*	*2.2*	0.052	0.0033	0.67	**1.3**	<0.000022	<0.000021	0.00023	<0.000021	0.00024	<0.000021	<0.000021	<0.000021	<0.000021	0.00183	0.000611	0.00051
Phenol	*7.3*	*22*	<0.00035	<0.000035	0.0014 J	<0.00035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00284	0.00163	0.0032
Pyrene	*0.73*	*2.2*	0.0063	0.0048	0.083	0.00076 J	<0.00002	<0.000019	0.00015	<0.000019	0.000064 J	<0.000019	<0.000019	<0.000019	<0.000019	0.000194 J	0.000161 J	0.00016
Metals																		
Arsenic	*0.01*	*0.01*	<0.0004	<0.0004	<0.000493	0.000876 J	0.00115 J	0.00404	0.00383	0.00119 J	0.00201	0.000925 J	<0.0004	<0.00102	0.000798 J			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 - 2023)
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-76C 01/11/2023	MW-76C 07/09/2023	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	<0.0002	<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	<0.0002	<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	<0.0003	<0.0003	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<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	<0.001	<0.001	<0.00015	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<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	<0.0003	<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	<0.000021	<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	<0.00004	<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	<0.000058	<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	<0.000042	<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	<0.000021	<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	0.000063 J	0.00022	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	<0.00002	<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	<0.000047	<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	0.000088 J	<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	<0.000015	<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	<0.000014	<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	<0.00005	<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	<0.00002	<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	<0.00003	<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	<0.000037	0.000071 J	**<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	<0.000021	<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	<0.00002	<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	<0.00002	0.00052	<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	<0.00001	<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	<0.00003	<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	0.0001	0.00093	**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	<0.000024	<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	<0.000025	<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	<0.000079	<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	<0.000021	<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	<0.000035	<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	<0.000019	<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	<0.000741	0.00106 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 - 2023)
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-77A 01/11/2023	MW-77A 07/10/2023	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
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.0002	<0.0002	<0.0007	<0.0002	<0.0002	<0.0002	<0.001	<0.001	<0.0002
Benzene	*0.005*	*0.005*	**0.063**	**0.058**	**0.021**	<0.0002	**0.044**	**0.054**	**0.015**	**0.023**	**0.026**	**0.0571**	**0.018**	**0.15**	**0.19**	**0.093**	**0.27**	**0.22**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0015	<0.0003	<0.0003	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0015	<0.0015	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.072	0.063	0.022	<0.0003	0.04	0.051	0.015	0.04	0.025	0.0637	0.011	0.13	0.15	0.11	0.17	0.18
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001	<0.001	<0.00075	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001
Toluene	*1*	*1*	0.012	0.0069	0.0024	<0.0002	0.0067	0.0083	0.0013	0.0045	0.0043	0.1	0.033	0.27	0.32	0.27	0.48	0.39
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	0.046	0.035	0.158	0.028	0.4	0.35	0.34	0.44	0.44
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	**<0.0259**	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	**<0.0021**
2,4-Dimethylphenol	*0.49*	*1.5*	0.062	0.055	0.0013	0.041	0.0089	0.027	<0.0004	0.00095	0.003	**6.66**	**2.5**	**0.93**	**0.6**	0.081	**1.9**	**3.3**
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.00058	<0.000058	<0.00058	**<0.0307**	<0.000058	<0.00058	<0.00058	<0.00058	<0.00058	**<0.0058**
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.00042	<0.000042	<0.00042	**<0.0189**	<0.000042	<0.00042	<0.00042	<0.00042	<0.00042	**<0.0042**
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.0189	<0.000021	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021
2-Methylnaphthalene	*0.098*	*0.29*	**0.2**	**0.22**	0.0023	**0.28 J**	0.082	**0.15**	0.063	0.07	0.04	**0.879**	**0.13**	**0.44**	**0.46**	**0.2**	**0.32**	**0.58**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	0.0015 J	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	**<0.196**	<0.00002	<0.0002	<0.0002	<0.0002	0.0019 J	<0.002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	0.0035 J	<0.000047	<0.000047	<0.00047	<0.000047	<0.00047	**<0.132**	<0.000047	<0.00047	0.0083 J	<0.00047	<0.00047	<0.0047
Acenaphthene	*1.5*	*4.4*	0.16	0.13	0.009	0.18	0.042	0.087	0.047	0.044	0.023	0.497	0.071	0.3	0.29	0.11	0.25	0.31
Acenaphthylene	*1.5*	*4.4*	0.0013	0.0013	<0.000015	0.0024	<0.000015	0.0013	0.00061 J	<0.000015	<0.00015	<0.0142	0.0015	<0.00015	0.0046	0.0018	0.0035	<0.0015
Anthracene	*7.3*	*22*	0.0028	0.0036	0.00033	0.0058	0.0017	0.0026	0.0025	0.0019	0.0011	0.105 J	0.004	0.1	0.033	0.017	0.017	0.03
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.0005	<0.00005	<0.0005	**0.0336 J**	0.00043	**0.042**	0.0049	0.0045	0.00068 J	<0.005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	**<0.0189**	0.00014	**0.015**	**0.0019**	**0.0016**	<0.0002	**<0.002**
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.0003	<0.00003	<0.0003	**<0.0307**	<0.00003	<0.0003	<0.0003	<0.0003	<0.0003	**<0.003**
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000077	<0.000037	<0.00037	<0.000037	<0.000037	<0.00093	<0.000037	<0.00037	**<0.0873**	0.00092	0.00054 J	<0.00037	<0.00037	<0.00037	<0.0037
Chrysene	*0.91*	*2*	<0.000021	0.000041 J	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	0.0248 J	0.00039	0.038	0.0048	0.0041	0.00055 J	<0.0021
Dibenzofuran	*0.098*	*0.29*	0.096	0.079	0.004	0.08	0.025	0.054	0.025	0.023	0.012	**0.411**	0.055	**0.26**	**0.22**	0.088	**0.2**	**0.24**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.0002	0.000065 J	<0.00002	<0.0002	<0.00002	<0.0002	<0.0259	0.0016	0.00059 J	<0.0002	<0.0002	<0.0002	<0.002
Fluoranthene	*0.98*	*2.9*	0.00052	0.00071	0.00012	0.0012	0.00029	0.00063	0.00042 J	0.0004	<0.0001	0.165	0.0029	0.29	0.037	0.028	0.011	0.013
Fluorene	*0.98*	*2.9*	0.078	0.067	0.0042	0.072	0.022	0.047	0.025	0.023	0.012	0.382	0.04	0.28	0.2	0.082	0.17	0.19
Naphthalene	*0.49*	*1.5*	**4.9 J**	**4.7**	0.01	0	**0.9**	**4.4**	**1.1**	**1.6**	**0.64**	**7.18**	**3.1**	**2.5**	0.2	0.2	**8**	**12**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024	<0.0259	<0.000024	<0.00024	<0.00024	<0.00024	<0.00024	<0.0024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.00025	<0.000025	<0.00025	<0.0236	<0.000025	<0.00025	<0.00025	<0.00025	<0.00025	<0.0025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.00079	<0.000079	<0.00079	**<0.144**	<0.000079	<0.00079	<0.00079	<0.00079	<0.00079	**<0.0079**
Phenanthrene	*0.73*	*2.2*	0.032	0.031	0.0018	0.04	0.0096	0.019	0.013	0.014	0.0069	0.604	0.031	0.72	0.24	0.13	0.13	0.18
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.00035	<0.000035	<0.00035	0.192	0.13	0.015	0.004	0.00079 J	0.036	0.035
Pyrene	*0.73*	*2.2*	0.00041	0.00046	0.000067 J	0.00071 J	0.00017	0.00028	0.00027 J	0.00019	<0.00019	0.0967 J	0.0018	0.16	0.023	0.017	0.0054	0.0073 J
Metals																		
Arsenic	*0.01*	*0.01*	**0.0231**	**0.0237**	**0.0233**	0.00252	**0.0229**	**0.0239**	**0.0128**	**0.0242**	**0.0191**		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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-78A 01/11/2023	MW-78A 07/10/2023	MW-79A 08/28/2014	MW-79A 01/30/2018	MW-79A 03/28/2018	MW-79A 05/25/2018	MW-79A 01/23/2019	MW-79A 07/30/2019	MW-79A 01/17/2020	MW-79A 07/21/2020	MW-79A 01/11/2021	MW-79A 07/22/2021	MW-79A 01/11/2022	MW-79A 07/18/2022	MW-79A 01/18/2023	MW-79A 07/10/2023	MW-80B 08/28/2014
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0007	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.001	<0.0002	<0.001	0.0049 J	<0.00014
Benzene	*0.005*	*0.005*	**0.18**	**0.18**	**0.0485**	**1**	**0.3**	**0.36**	**0.45**	**0.013**	**0.12**	**0.18**	**0.32**	**0.3**	**0.1**	**0.29**	**0.046**	<0.001	0.0000898 J
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0006	<0.0003	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0015	<0.0003	<0.0015	<0.0015	<0.00012
Ethylbenzene	*0.7*	*0.7*	0.17	0.18	0.0215	0.18	0.12	0.14	0.19	0.0067	0.075	0.087	0.16	0.12	0.039	0.13	0.032	0.0025 J	<0.00011
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.00075	<0.001	<0.001	<0.001	**<0.01**	<0.001	<0.001	<0.001	<0.001	**<0.01**	<0.005	<0.001	<0.005	<0.005	<0.00015
Toluene	*1*	*1*	0.37	0.34 JL	0.076	0.99	0.44	0.48	0.55	0.018	0.26	0.31	0.5	0.43	0.14	0.39	0.098	<0.001	<0.00015
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.41	0.49	0.0763	0.48	0.31	0.41	0.54	0.023	0.2	0.22	0.43	0.34	0.1	0.35	0.091	0.0053 J	<0.00026
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	**<0.0021**	<0.00021	**<0.00539**	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	**<0.0021**	<0.00021	<0.00021	<0.00011
2,4-Dimethylphenol	*0.49*	*1.5*	**3.4**	**0.98**	**6.11**	**11**	**11**	**20**	**2.5**	0.33	**6.7**	**1.2**	0.2	**4**	**1.9**	**6.8**	**0.53**	0.0098	<0.00031
2,4-Dinitrotoluene	*0.0013*	*0.003*	**<0.0058**	<0.00058	**<0.00637**	<0.00058	<0.00058	<0.00058	<0.00058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058	**<0.0058**	<0.00058	<0.00058	<0.00013
2,6-Dinitrotoluene	*0.0013*	*0.003*	**<0.0042**	<0.00042	**<0.00392**	<0.00042	<0.00042	<0.00042	<0.00042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042	**<0.0042**	<0.00042	<0.00042	<0.00008
2-Chloronaphthalene	*2*	*5.8*	<0.0021	<0.00021	<0.00392	<0.00021	<0.00021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021	<0.0021	<0.00021	<0.00021	<0.00008
2-Methylnaphthalene	*0.098*	*0.29*	**0.56**	**0.26**	**0.654**	**0.17**	**0.42**	**0.44**	**0.1**	0.051	**0.43**	0.07	**0.34 J**	**0.29**	**0.1**	**0.18**	0.073	0.0028	0.000158 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.002	<0.0002	**<0.0407**	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002	0.0024 J	<0.0002	<0.0002	<0.00083
4-Nitrophenol	*0.049*	*0.15*	<0.0047	<0.00047	<0.0275	<0.00047	<0.00047	0.016 J	<0.00047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00047	<0.00047	<0.0047	<0.00047	<0.00047	<0.00056
Acenaphthene	*1.5*	*4.4*	0.35	0.15	0.427	0.13	0.17	0.16	0.039	0.034	0.19	0.031	0.15	0.09	0.043	0.083	0.036	0.0065	0.0000835 J
Acenaphthylene	*1.5*	*4.4*	0.0063 J	<0.00015	0.0112 J	0.0045	<0.00015	0.0056	0.0015	0.00076	0.0036	0.00057	0.0049	0.0033	<0.00015	0.0033 J	<0.00015	<0.00015	<0.00006
Anthracene	*7.3*	*22*	0.033	0.013	0.0673	0.0057	0.0092	0.0084	0.0021	0.002	0.0094	0.00074	0.0071	0.005	0.0027	<0.0014	0.002	0.00067 J	<0.00005
Benzo(a)anthracene	*0.0091*	*0.02*	<0.005	0.0017	**0.00985 J**	<0.0005	<0.0005	<0.0005	<0.0005	0.00023	0.00081	0.000067 J	<0.0005	<0.0005	<0.0005	<0.005	<0.0005	<0.0005	<0.00008
Benzo(a)pyrene	*0.0002*	*0.0002*	**<0.002**	**0.00073 J**	**<0.00392**	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	**0.00029**	<0.00002	**0.00027 J**	<0.0002	<0.0002	**<0.002**	<0.0002	<0.0002	<0.00008
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	**<0.003**	<0.0003	**<0.00637**	<0.0003	<0.0003	<0.0003	<0.0003	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003	**<0.003**	<0.0003	<0.0003	<0.00013
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0037	<0.00037	**<0.0181**	<0.00037	<0.00037	<0.00037	<0.00037	0.00055	<0.000037	<0.000037	<0.00037	<0.00037	<0.00037	<0.0037	<0.00037	<0.00037	0.00106
Chrysene	*0.91*	*2*	<0.0021	0.0014	0.00948 J	<0.00021	<0.00021	<0.00021	<0.00021	0.00027	0.00072	0.000058 J	0.00022	<0.00021	<0.00021	<0.0021	<0.00021	<0.00021	<0.00008
Dibenzofuran	*0.098*	*0.29*	**0.26**	0.091	**0.342**	0.097	**0.14**	0.092	0.037	0.026	**0.14**	0.024	0.096	0.075	0.031	0.064	0.026	0.0025	<0.00008
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.002	<0.0002	<0.00539	<0.0002	<0.0002	<0.0002	<0.0002	<0.00002	0.00098	<0.00002	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.00011
Fluoranthene	*0.98*	*2.9*	0.023	0.017	0.0713	0.0036	0.0051	0.0023	0.001	0.0012	0.0076	0.00034	0.0025	0.0014	0.0014	0.0027 J	0.0021	0.00077 J	<0.00007
Fluorene	*0.98*	*2.9*	0.22	0.074	0.291	0.063	0.081	0.056	0.022	0.017	0.094	0.009	0.055	0.047	0.018	0.04	0.018	0.0044	<0.00007
Naphthalene	*0.49*	*1.5*	**9.4**	**4.4**	**6.89**	**7.9**	**8.5**	**15**	**1.9**	**0.74 J**	**9**	**1.3**	**0.7**	0.4	**1.8**	**4.8**	**1.2**	0.04	0.00157
Nitrobenzene	*0.049*	*0.15*	<0.0024	<0.00024	<0.00539	<0.00024	<0.00024	<0.00024	<0.00024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024	<0.0024	<0.00024	<0.00024	<0.00011
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.0025	<0.00025	<0.0049	<0.00025	<0.00025	<0.00025	<0.00025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025	<0.0025	<0.00025	<0.00025	<0.0001
Pentachlorophenol	*0.001*	*0.001*	**<0.0079**	<0.00079	**<0.0299**	<0.00079	<0.00079	<0.00079	<0.00079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079	**<0.0079**	<0.00079	<0.00079	<0.00061
Phenanthrene	*0.73*	*2.2*	0.2	0.09	0.355	0.038	0.049	0.039	0.012	0.0082	0.081	0.0048	0.039	0.025	0.015	0.028	0.013	0.002	0.0000792 J
Phenol	*7.3*	*22*	0.044	0.0092	1.13	2.6	4	4.2	0.51	0.063	0.35	0.25	0.16 J	0.4	<0.00035	1.6	0.00035	<0.00035	0.00018 J
Pyrene	*0.73*	*2.2*	0.014	0.0067	0.0434	0.0022	0.0038	0.0022	0.00063 J	0.0011	0.0035	0.0002	0.0015	0.00072 J	0.00077 J	<0.0019	0.0012	0.0007 J	<0.00011
Metals																			
Arsenic	*0.01*	*0.01*	**0.0283**	**0.0332**		**0.0184**	**0.0149**	**0.0134**	**0.0133**	0.00991	0.00893	**0.0108**	**0.014**	**0.0151**	0.00832	**0.0148**	0.0044	0.00074 J	

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-80B 01/30/2018	MW-80B 03/28/2018	MW-80B 05/24/2018	MW-80B 01/10/2019	MW-80B 07/30/2019	MW-80B 01/07/2020	MW-80B 07/20/2020	MW-80B 01/20/2021	MW-80B 07/13/2021	MW-80B 01/06/2022	MW-80B 07/17/2022	MW-80B 01/17/2023	MW-80B 07/07/2023	MW-81B 07/24/2014	MW-81B 01/29/2018	MW-81B 03/28/2018
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00014	<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	<0.00008	<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	<0.00012	<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	<0.00011	<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	<0.00015	<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	<0.00015	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*														<0.00011		
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00026	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000107	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00028	<0.00004	0.00016 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000301	<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	<0.000126	<0.000058	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0000777	<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	<0.0000777	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000036	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000068	<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	<0.000806	<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	<0.000544	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000046 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.0000777	<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	0.00013	<0.0000583	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000026 J	0.000027 J	<0.000014	<0.000014	<0.000014	0.000032 J	<0.000014	0.000023 J	<0.0000485	<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	<0.0000777	<0.00005	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000051 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0000777	<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	<0.000126	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000069	<0.000037	0.00012 J	<0.000037	0.00007 J	<0.000069	0.000055 J	<0.00012	<0.000097	<0.00009	<0.000037	<0.000037	<0.000037	<0.000359	<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	<0.0000777	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000048 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0000777	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	0.000047 J	<0.00002	<0.00002	<0.00002	0.000034 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00063	<0.000107	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000047 J	<0.00001	0.000027 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.000068	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000032 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000068	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	0.000068 J	<0.00002	<0.00034	<0.00007	<0.00023	<0.00002	<0.00015	0.00017	<0.00002	<0.00002	<0.0000777	<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	<0.000107	<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	<0.0000971	<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	<0.000592	<0.000079	<0.00008
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000027 J	0.000049 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000053 J	0.0000944 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	<0.000035	<0.000035	<0.000035	<0.0000388	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000027 J	<0.000019	0.000027 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000107	<0.000019	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*	0.00286	0.00187 J	0.00202	0.0018 J	0.00162 J	0.00212	0.00122 J	0.00114 J	0.000829 J	0.00125 J	0.00139 J	0.00126 J	0.000931 J		0.00207	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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-81B 05/25/2018	MW-81B 01/10/2019	MW-81B 07/19/2019	MW-81B 01/09/2020	MW-81B 07/20/2020	MW-81B 01/12/2021	MW-81B 07/13/2021	MW-81B 01/06/2022	MW-81B 07/14/2022	MW-81B 01/17/2023	MW-81B 07/07/2023	MW-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
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.00021 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	0.00036 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00065 J	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	0.00063	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	0.00079	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	0.001	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	0.0018	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000021 J	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	0.000065 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000019 J	<0.000019	<0.000019	0.0001
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000077	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000027 J	<0.000027	<0.000027	0.000043 J
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.000015 J	<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	0.000068 J	0.000091 J	0.000042 J	<0.000014	0.000031 J
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	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00006 J	0.000058 J	<0.000037	<0.000066	<0.000037	0.000087 J	<0.000081	<0.000062	<0.00034	<0.000037	0.000052 J	0.00011 J	<0.000037	<0.00056	<0.000037	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<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	<0.00002	0.00002 J	<0.00002	<0.00002	0.00004 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00027	<0.00002	<0.00002	<0.00002	<0.00002	0.00039	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00003 J	<0.00003	<0.00003	0.000037 J
Naphthalene	*0.49*	*1.5*	<0.00002	0.00016	0.000099 J	<0.00023	0.00097	<0.000074	<0.000075	<0.00014	<0.00002	<0.00002	<0.00002	0.00019	<0.00015	0.00002 J	<0.00002	<0.00002	<0.00041
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	<2.4E-06	<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	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	0.000061 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00012
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	0.00016 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<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	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.00203	0.00116 J	0.000563 J	0.0013 J	0.00244	<0.00187	0.000509 J	<0.0004	0.000454 J	<0.0004	0.000487 J	0.00271	0.00175 J	**0.0103**	0.00838	0.00873	0.00484

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-82B 07/20/2020	MW-82B 01/14/2021	MW-82B 07/22/2021	MW-82B 01/21/2022	MW-82B 02/01/2023	MW-82B 07/18/2023	MW-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
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.018**	**0.019**	**0.02**	**0.03**	**0.032**	**0.021**	**0.021**	**0.007 J**	0.0026 J	**0.02**	**0.022**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	0.00066 J	<0.0003	<0.0003	0.08	0.1	0.085	0.068	0.091	0.055	0.078	0.027 J	0.019 J	0.076	0.08
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0055	0.0046	0.0049	0.007	0.0082	0.0042	0.0052	0.0026	<0.0015	0.0059	0.0058
Vinyl chloride	*0.002*	*0.002*													<0.0002				
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.1	0.11	0.091	0.066	0.1	0.061	0.098	0.031 J	0.021 J	0.085	0.098
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<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	**.00035 J**	<2.1E-05 J
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<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
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00059	<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	<0.00042	<0.00042	<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	<0.00021	<0.00021	<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	**0.15**	**0.75**	**0.23**	0.076	0.086	0.05	0.078	0.015 J	0.025 J	0.091	0.097
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00047	<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	0.00025	<0.000027	<0.000027	<0.000027	0.098	0.33	0.11	0.027	0.026	0.021	0.066	0.008	0.014	0.058 J	0.13 J
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.00086 J	0.0016	0.00064	<0.000015	0.00034	0.00025	0.00047	0.000099 J	0.00012	0.00037	0.00048
Anthracene	*7.3*	*22*	<0.000014	0.000015 J	<0.000014	<0.000014	0.000059 J	<0.000014	0.01	0.011	0.007	0.0014	0.0012	0.00099	0.0039	0.00043	0.00057	**.0020 J**	**.0042 J**
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<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
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000026 J	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	<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*	0.000052 J	<0.000058	<0.000037	<0.000037	0.000057 J	<0.000037	<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
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	0.00009 J	<0.000021	<0.000021	<0.000021	0.000065 J	<0.000021	<0.000021	<0.000021	0.000062
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.000045 J	<0.00002	<0.00002	<0.00002	<0.00002	0.043	**0.17**	0.061	0.023	0.02	0.014	0.023	0.005 J	0.0077 J	0.031	0.029
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000022 J	<0.000027	<0.00002	<0.00002	<0.00002	<0.00002	<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
Fluoranthene	*0.98*	*2.9*	0.000015 J	0.000028 J	<0.00001	<0.00001	<0.00001	<0.00001	0.0035	0.0043	0.0046	0.00057	0.00051	0.00038	0.0033	0.00012	0.00018	0.00085 J	0.0029 J
Fluorene	*0.98*	*2.9*	<0.00003	0.000033 J	0.000089 J	<0.00003	<0.00003	<0.00003	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
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00027	0.0001	0.000052 J	<0.00002	**2.6**	**14**	**2**	**1.5**	**1.6**	**0.77**	**1.2**	0.16 J	0.32 J	**0.7**	**0.9**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<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	<0.00025	<0.00025	<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	<0.00079	<0.0008	<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	0.00008 J	<0.000021	<0.000021	<0.000021	<0.000021	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
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.00035	<0.000035	<0.000035	<0.000035	0.00051	<0.000035	0.00046 J	0.00015 J	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	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
Metals																			
Arsenic	*0.01*	*0.01*	0.00299	0.00547	0.00238	0.00134 J	0.00117 J	0.000838 J	**0.0353**	**0.0185**	**0.0673**	**0.0731**	**0.0916**	**0.0648**	**0.0709**	**0.0342 J**	0.00371 J	**0.069**	**0.0904**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-83B 07/14/2021	MW-83B 07/14/2021 Duplicate	MW-83B 01/21/2022	MW-83B 01/21/2022 Duplicate	MW-83B 07/20/2022	MW-83B 07/20/2022 Duplicate	MW-83B 01/12/2023	MW-83B 01/12/2023 Duplicate	MW-83B 07/18/2023	MW-83B 07/18/2023 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
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	**0.025**	**0.03**	**0.0089 J**	**0.033 J**	0.002 J	0.0034 J	**0.0055**	**0.0069**	0.0024 J	0.0043 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.1	0.13	0.02 J	0.11 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00067 J	0.00066 J	0.0005 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	**<0.05**	**<0.01**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	0.0073	0.0083 J	0.0023 J	0.009 J	0.0013	0.0016	0.00028 J	<0.0002 J	0.00096 J	0.0013	<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*	0.12	0.14	0.026 J	0.12 J	0.0097 J	0.017 J	0.022 J	0.0084 J	0.015 J	0.024 J	0.0014	<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	<0.00021	<0.000021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	0.000087 J	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	**<0.00004 J**	0.000093 J	<0.00004	<0.00004	<0.00004	<0.00004	0.004 J	<0.00004 J	<0.0004	<0.0004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00061
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<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	<0.000042	<0.00042	<0.000042	<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	<0.000021	<0.00021	<0.000021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	**0.12**	**0.15**	0.083 J	**0.15 J**	0.025	0.031	0.012 J	0.0047 J	0.013 J	0.043 J	0.0015	0.0015	0.000089 J	<0.000019	0.00012	0.00021	0.00019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.0002	<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	<0.00047	<0.000047	<0.00047	<0.00047	0.0003 J	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.12	0.12	0.065 J	0.13 J	0.022	0.024	0.0094 J	0.0069 J	0.011 J	0.037 J	0.00083	0.001	0.00017	<0.000027	0.000094 J	0.00018	0.00029
Acenaphthylene	*1.5*	*4.4*	0.00058	0.0005	0.00038 J	0.00067 J	0.00014	0.00015	<0.00015 J	0.000054 J	<0.00015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.0077	0.0061	0.0045 J	0.0061 J	0.001	0.00099	0.00068 J	0.00031 J	0.00044 J	0.0018 J	0.000034 J	0.000068 J	<0.000014	<0.000014	<0.000014	<0.000014	0.000075 J
Benzo(a)anthracene	*0.0091*	*0.02*	0.0001	<0.00005	<0.00005	0.000072 J	<0.00005	<0.00005	<0.0005	<0.00005	<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*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<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	<0.00003	<0.0003	<0.00003	<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*	0.000076 J	0.000076 J	<0.000037	<0.000037	0.00011 J	0.000037 J	<0.00037	<0.000037	<0.00037	<0.00037	0.00019 J	<0.000037	0.00012 J	<0.000037	0.00023	<0.000037	0.000077 J
Chrysene	*0.91*	*2*	**.00010 J**	0.000064	0.000036 J	0.00007 J	<0.000021	<0.000021	<0.00021	<0.000021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.035	0.042	0.026 J	0.037 J	0.0086	0.0084	0.0039	0.0029	0.0047 J	0.015 J	0.00061	0.00044	0.000046 J	<0.00002	0.00007 J	0.00015	0.0003
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00002 J	0.000041 J	0.000031 J	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.0002	<0.0002	<0.00002	<0.00002	0.000092 J	0.00006 J	0.00004 J	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0062 J	0.0034 J	0.0023 J	0.004 J	0.00033 J	0.00053 J	0.00024 J	0.00013 J	0.00021 J	0.0011 J	0.000044 J	<0.00001	0.000018 J	<0.00001	<0.00001	<0.00001	0.000079 J
Fluorene	*0.98*	*2.9*	0.037	0.041	0.023 J	0.041 J	0.0073	0.0069	0.0031 J	0.0022 J	0.004 J	0.012 J	0.00035	0.00034	0.000067 J	<0.00003	<0.00003	0.00012	0.00026
Naphthalene	*0.49*	*1.5*	**2.6**	**2**	**1.2 J**	**2.1 J**	0.18 J	0.25 J	0.13 J	0.015 J	0.034 J	0.34 J	0.012	0.016	0.00039	<0.00036	0.0014	0.0018	0.002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024	<0.00024	<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	<0.00025	<0.000025	<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	<0.000079	<0.00079	<0.000079	<0.00079	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.032 J	0.045 J	0.021 J	0.032 J	0.007	0.0067	0.0029 J	0.0017 J	0.0034 J	0.011 J	0.00044	0.00053	0.000038 J	<0.000021	<0.000021	0.00017	0.0005
Phenol	*7.3*	*22*	<0.000035	0.000096 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035 J	<3.5E-05 J	<0.00035	<0.00035	<0.000035	<0.000035	<0.000035	0.000038 J	0.000068 J	<0.000035	0.000099 J
Pyrene	*0.73*	*2.2*	0.0047 J	0.002 J	0.0013 J	0.003 J	0.00019 J	0.00032 J	<0.00019	0.00007 J	<0.00019	0.00073 J	0.000027 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	**0.0566**	**0.0674**	**0.0423 J**	**0.0869 J**	**0.0165 J**	**0.0358 J**	**0.0441 J**	**0.0658 J**	**0.0175 J**	**0.0483 J**	0.000609 J	<0.0004	0.00139 J	0.00616	0.00617	0.00564	0.00398

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-83C 01/12/2021	MW-83C 07/13/2021	MW-83C 01/21/2022	MW-83C 07/20/2022	MW-83C 01/12/2023	MW-83C 07/18/2023	MW-84A 03/12/2020	MW-84A 05/21/2020	MW-84A 07/27/2020	MW-84A 01/18/2021	MW-84A 07/20/2021	MW-84A 01/20/2022	MW-84A 07/26/2022	MW-84A 01/12/2023	MW-84A 07/19/2023	MW-84B 02/08/2018	MW-84B 03/27/2018
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.0097**	**0.0086**
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.039	0.037
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0025	0.00099 J
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.035	0.031
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	**0.0014 J**	<0.00021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.0004	<0.0004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000043	<0.000019	<0.000019	<0.000019	<0.000019	0.00054 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	**0.55**	**0.58**
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00047	<0.00047
Acenaphthene	*1.5*	*4.4*	<0.000051	<0.000027	<0.000027	<0.000027	<0.000027	0.00057 J	<0.000028	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.00027	0.22	0.27
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	0.003	0.0032
Anthracene	*7.3*	*22*	0.000024 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.00014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00014	0.02	0.0092
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.000051	<0.00005	<0.000052	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.0005	<0.0005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.000042	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.0003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00012 J	<0.000037	<0.000037	<0.000037	0.000092 J	<0.00037	<0.000038	<0.000037	0.00024	<0.000075	0.000097 J	<0.000037	<0.000037	<0.000037	<0.00037	0.00056 J	<0.00037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000045	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021
Dibenzofuran	*0.098*	*0.29*	0.000042 J	<0.00002	<0.00002	<0.00002	<0.00002	0.00071 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	**0.13**	**0.22**
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00014	0.000039 J	<0.00002	<0.00002	0.000094 J	<0.0002	<0.00002	<0.00002	<0.000047	0.00045	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.0002	<0.0002
Fluoranthene	*0.98*	*2.9*	0.000017 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.00001	<0.00001	<0.000038	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	0.0039	0.0029
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00043 J	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	0.074	0.076
Naphthalene	*0.49*	*1.5*	<0.00034	<0.00002	0.00019	0.00011	<0.00002	<0.0002	0.000023 J	<0.00002	<0.00013	<0.00002	<0.00002	0.000063 J	<0.00002	<0.00002	<0.0002	**2.4**	**2.2**
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079
Phenanthrene	*0.73*	*2.2*	<0.000034	<0.000021	<0.000021	<0.000021	<0.000021	0.00077 J	<0.000021	<0.000021	<0.000024	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	0.088	0.072
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.00035	<0.00035
Pyrene	*0.73*	*2.2*	0.000022 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	<0.000038	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	0.0025	0.0018
Metals																			
Arsenic	*0.01*	*0.01*	0.000881 J	<0.0004	0.00044 J	<0.0004	<0.000675	<0.0004	0.00464	**0.0112**	**0.0143**	0.00145 J	0.00121 J	0.00267	0.00328	0.0038	**0.0148**	0.00269	0.00277

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-84B 07/20/2021	MW-84B 01/21/2022	MW-84B 07/26/2022	MW-84B 01/12/2023	MW-84B 07/19/2023	MW-85C 02/01/2018	MW-85C 03/28/2018	MW-85C 05/24/2018	MW-85C 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	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.0017	0.002	0.0019	0.0024	**0.01**	**0.0064**	0.0022	0.00049 J	0.00033 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.013**	0.0026	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	0.0036	0.0029	0.0026	0.0051	0.013	0.0094	0.0037	0.00047 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	0.00056 J	0.0015	<0.0002	0.00075 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	0.003	0.0019	0.0017	0.0033	0.0041	0.0032	0.0019	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	0.0017 J	0.00048	<0.00004	<0.00016	0.00081	0.00048	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.00004	<0.00004	<0.00004	<0.000041
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.000058	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000043
2-Chloronaphthalene	*2*	*5.8*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	0.025	0.074 J	**0.2 J**	<0.000019	0.0027	0.0065	0.0004	<0.000019	0.00004 J	<0.000019	<0.000019	<0.000019	<0.00019	0.0001 J	0.000049 J	0.000067 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	**0.0038**	<0.00002	<0.00002	<0.00002	<0.00002	0.00035	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000048
Acenaphthene	*1.5*	*4.4*	0.031	0.048 J	0.14 J	0.000032 J	0.008	0.025	0.003	0.00051	0.000059 J	<0.000027	<0.000027	<0.000027	<0.00027	0.00013	<0.000027	<0.000027	<0.000028
Acenaphthylene	*1.5*	*4.4*	0.00061 J	0.00062	<0.000015	0.000043 J	0.0003	0.00031	0.000053 J	0.000058 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.0022	0.0027 J	0.0042 J	<0.000014	0.00042	0.00095	<0.00019	<0.000014	<0.000014	<0.000014	<0.00003	<0.000014	<0.00014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.0005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.00005	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.000031
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00037	<0.000037	<0.000037	<0.000037	0.00026	<0.000037	0.000074 J	<0.000099	<0.000037	<0.000037	<0.000037	<0.000037	<0.00037	0.000091 J	0.0002	0.00013 J	<0.000038
Chrysene	*0.91*	*2*	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000025	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.019	0.037 J	0.077 J	<0.00002	0.0054	0.015	0.0023	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	0.000087 J	<0.00002	0.000036 J	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.0002	<0.00002	<0.00002	<0.00002	0.000055 J	<0.00002	<0.000023	0.00053	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	0.00023	<0.00002	0.00003 J	<0.00002
Fluoranthene	*0.98*	*2.9*	0.00069 J	0.0011 J	0.0016 J	<0.00001	0.00015	0.00037	<0.00015	0.000021 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	0.000015 J	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.011	0.018 J	0.039 J	<0.00003	0.0026	0.0063	0.0012	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	0.00011	<0.00003	0.000034 J	<0.000031
Naphthalene	*0.49*	*1.5*	0.066	0.49 J	**0.95 J**	<0.00002	0.06 J	0.13	0.025	<0.00002	0.0005	<0.00002	<0.00002	<0.00002	<0.0002	0.00069	0.0017	0.0026	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	0.000054 J	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000026
Pentachlorophenol	*0.001*	*0.001*	<0.00079	**0.005**	0.000094 J	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	0.00015 J	<0.000081
Phenanthrene	*0.73*	*2.2*	0.013	0.024 J	0.043 J	<0.000021	0.0021	0.0065	<0.0012	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	0.0001	<0.000021	0.0001	<0.000021
Phenol	*7.3*	*22*	0.00062 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	0.00011 J	<0.000035	<0.000035	<0.000036
Pyrene	*0.73*	*2.2*	0.00036 J	0.00062 J	0.00097 J	<0.000019	0.00011	0.00025	<0.000097	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	<0.0004	<0.0004	<0.0004	0.00219	0.00838	0.00363	0.00462	0.00262	0.00168 J	0.00177 J	0.00146 J	0.00127 J	0.00112 J	0.00152 J	0.00287	0.00588	0.00136 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-85C 07/30/2019	MW-85C 01/09/2020	MW-85C 07/16/2020	MW-85C 01/13/2021	MW-85C 07/27/2021	MW-85C 01/06/2022	MW-85C 07/14/2022	MW-85C 01/11/2023	MW-85C 07/10/2023	MW-86C 02/01/2018	MW-86C 02/01/2018	MW-86C 03/28/2018	MW-86C 03/28/2018 Duplicate	MW-86C 05/25/2018	MW-86C 05/25/2018 Duplicate	MW-86C 01/11/2019
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.005	<0.0002	<0.0002	<0.0002	**0.046 J**	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.00093 J	<0.0002	<0.005	<0.0002	<0.0002	<0.0002	**<0.01**	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0075	<0.0003	<0.0003	<0.0003	<0.015	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0075	<0.0003	<0.0003	<0.0003	<0.015	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	**<0.025**	<0.001	<0.001	<0.001	**<0.05**	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.005	<0.0002	<0.0002	<0.0002	<0.01	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*					<0.0002					<0.0002	<0.0002	<0.0002				
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0075	<0.0003	<0.0003	<0.0003	<0.015	<0.0003	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000069 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	0.00049	0.00059	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000041	<0.000031	<0.000019	<0.000019	0.0013	0.000041 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	0.00077 J	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	0.0003 J	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000077	0.0012	<0.000027	<0.000027	0.0025	<0.000027	<0.000027	<0.000027	0.00091	<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	0.000062 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*	<0.000014	<0.000014	0.00015	<0.000014	<0.000014	0.0015	0.00032	<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	0.00048	<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	0.000031 J	<0.00002	<0.00002	<0.00002	0.00018	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.00016	<0.000089	<0.000037	0.000063 J	<0.00017	<0.00062	<0.000037	0.000095 J	0.000053 J	<0.000037	<0.000037	<0.000037	0.000052 J	0.000061 J	<0.000057
Chrysene	*0.91*	*2*	<0.000021	0.000053 J	<0.000021	<0.000021	<0.000021	0.00043	<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	<0.000059	0.0007	<0.00002	<0.00002	0.0021	<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	<0.000038	0.000025 J	<0.00002	<0.00002	<0.00002	<0.00002	0.00028	0.000093 J	0.000051 J	<0.00002	<0.00002	<0.00002	<0.00002	0.000072 J
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00025	0.0001 J	<0.00001	<0.00001	0.0037	0.00012	<0.00001	<0.00001	0.00011	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.000055	0.00059	<0.00003	<0.00003	0.0033	<0.00003	<0.00003	<0.00003	0.00038	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	0.0012 J	<0.00046	0.0031	0.000051 J	<0.00017	0.0056	0.00036	0.00028	<0.00002	0.000054 J	<0.00002	<0.00002	<0.00002	0.000079 J	<0.00002	0.000079 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	0.00061 J	<0.000079	<0.000079	0.00016 J	0.00029	<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	<0.000067	<0.00026	0.000035 J	<0.000021	0.014	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000032 J	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000042	0.000048 J	<0.000035	<0.000035	<0.000035	0.0011	<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	0.00021	0.000065 J	<0.000019	<0.000019	0.0023	0.00013	<0.000019	<0.000019	0.00006 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*	0.000633 J	0.00272	**0.17**	<0.0019	0.008	**0.0213**	**0.191 J**	0.00974	**0.0678**	0.00146 J	0.00156 J	0.00612	0.00608	0.00768	0.00824	0.00402

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-86C 01/11/2019 Duplicate	MW-86C 07/30/2019	MW-86C 07/30/2019 Duplicate	MW-86C 01/17/2020	MW-86C 01/17/2020 Duplicate	MW-86C 07/16/2020	MW-86C 01/15/2021	MW-86C 07/27/2021	MW-86C 01/07/2022	MW-86C 07/18/2022	MW-86C 01/06/2023	MW-86C 07/10/2023	MW-87C 02/08/2018	MW-87C 03/27/2018	MW-87C 06/07/2018	MW-87C 01/22/2019
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	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	0.0039	0.0045	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*			<0.0002					<0.0002								
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
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	**0.0028**	0.00041 J	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	0.00018 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00004 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	<0.000058	<0.000058	<0.000058	<0.000058	0.000058 J	<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 J	<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 J	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	0.000061 J	0.000066 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00043	0.00014	0.000019 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00002 J	<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	0.00033 J	<0.000047	0.000047 J	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00042	0.00011	0.000027 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 J	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	0.00012	0.000015 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000081 J	<0.000014	0.000014 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00005 J	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00002 J	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00003 J	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0001	0.00006 J	0.00005 J	<0.000037	<0.000053	<0.000037	<0.000037	<0.000037	0.000058 J	<0.000067	<0.000037	0.000081 J	0.0003	<0.000037	0.00012 J	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000021 J	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000059 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00032	0.000063 J	0.00002 J	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00011 J	0.00011 J	0.000073 J	<0.00002	<0.00002	<0.000083	<0.00011	<0.00002	0.000065 J	0.000062 J	<0.00002	0.00039	<0.00002	<0.00002	0.00002 J	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000028	0.000027 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001 J	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000074 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00027	<0.00003	0.00003 J	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	0.00012 J	0.00031 J	<0.00075	<0.00022	<0.000034	0.000082 J	<0.000089	<0.00017	0.000067 J	<0.00002	<0.00002	0.0014	0.00038	0.00002 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 J	<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 J	<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 J	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	0.00036	<0.000086	0.00015	<0.000021	<0.000047	0.000022 J	<0.000021	<0.000021	0.00048	0.00015	0.000021 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	<0.00011	<0.000035	0.000035 J	<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 J	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*	0.00405	0.00236	0.0019 J	0.000645 J	0.000699 J	0.00209	0.00172 J	0.000822 J	0.00505	0.00586	0.00385	0.000539 J	<0.0004	<0.0004	<0.0004	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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-87C 07/17/2019	MW-87C 01/20/2020	MW-87C 07/23/2020	MW-87C 01/15/2021	MW-87C 07/23/2021	MW-87C 01/11/2022	MW-87C 07/27/2022	MW-87C 02/01/2023	MW-87C 07/18/2023	MW-88A 03/17/2020	MW-88A 05/26/2020	MW-88A 07/15/2020	MW-88A 01/19/2021	MW-88A 07/08/2021	MW-88A 01/12/2022	MW-88A 07/12/2022
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	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*		<0.0002														
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0006 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	<0.000021	<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	0.00029	<0.00004	<0.00004	0.000081 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	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.00023	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00045	<0.000019	<0.000019	0.000074 J	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	0.00011	0.00024 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.0015	0.0011	0.0035	<0.000027	0.000075 J	0.00025	0.000032 J
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	0.000088 J	0.0001 J	0.000014 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00015	0.000045 J	<0.000014	0.000056 J	0.000016 J	0.000079 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	0.00025 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	0.000066 J	0.00016 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.00018	<0.000037	<0.000037	<0.000037	<0.000037	0.000064 J	<0.000037	<0.000037	<0.000037	0.0001 J	0.000064 J	<0.000037	<0.000037	<0.00017	0.000051 J	0.00046
Chrysene	*0.91*	*2*	<0.000021	<0.000021	0.00024 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.00011	0.00012 J	0.000063 J	<0.00002	<0.00002	<0.00002	0.000032 J	<0.00002	<0.00002	<0.00002	0.00038	<0.00002	<0.00002	0.000079 J	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00017 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00008 J	<0.000053	<0.00002	<0.00002	0.000032 J	0.000025 J
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.000086	0.00057 J	<0.00001	0.000053 J	<0.00001	0.000013 J	0.000026 J	<0.00001	0.00025	0.00022 J	0.00025	0.000074 J	0.00016	0.0002	0.00008 J
Fluorene	*0.98*	*2.9*	<0.00003	0.000093 J	0.00022 J	0.000057 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00026	0.000075 J	0.00089	<0.00003	0.000053 J	0.000069 J	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00017	0.0011	<0.00002	<0.00002	<0.00002	<0.00012	<0.00002	0.00025	0.000029 J	<0.00002	<0.00002	0.0097	<0.00002	0.00006 J	<0.00014	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.00028	0.00058 J	0.000056 J	<0.000021	<0.000021	<0.000021	0.000049 J	<0.000021	<0.000021	0.000027 J	0.000071 J	<0.000021	0.000051 J	0.000095 J	<0.000021
Phenol	*7.3*	*22*	0.00013 J	0.00048	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00026	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000057	0.00042 J	<0.000019	0.00004 J	<0.000019	<0.000019	0.00002 J	<0.000019	0.00053	0.0006	0.00068	0.00026	0.00069	0.00035	0.00033
Metals																		
Arsenic	*0.01*	*0.01*	<0.0004	0.00135 J	0.00135 J	<0.0004	0.000865 J	<0.0004	<0.0004	0.00157 J	0.000491 J	0.00355	0.00405	0.00345	0.00208	0.00279	0.00185 J	0.0025

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-88A 01/11/2023	MW-88A 07/12/2023	MW-88B 03/17/2020	MW-88B 05/26/2020	MW-88B 07/16/2020	MW-88B 01/21/2021	MW-88B 07/26/2021	MW-88B 01/14/2022	MW-88B 07/13/2022	MW-88B 01/11/2023	MW-88B 07/12/2023	MW-88C 02/01/2018	MW-88C 03/19/2018	MW-88C 05/24/2018	MW-88C 01/08/2019	MW-88C 07/31/2019
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	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*					<0.0002											
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
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	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00015	0.00013	<0.000019	<0.000019	<0.000019	0.000052 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	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.000058 J	0.0021	<0.000027	<0.000027	<0.000037	<0.000027	<0.000027	0.00012	0.000057 J	<0.000027	<0.000027	0.000053 J	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	0.00011	<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	<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	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	0.000052 J	<0.00006	<0.000093	<0.000037	<0.000037	0.00056	<0.000037	<0.000037	0.000052 J	<0.000037	0.00017 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<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	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.00085	<0.00002	<0.00002	<0.000024	<0.00002	<0.00002	0.00012	0.000051 J	<0.00002	<0.00002	0.000023 J	0.000056 J	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.000091	<0.00002	0.00015 J	<0.00002	<0.000048	<0.00002	0.000025 J	0.000023 J	<0.00002	<0.000051	<0.00002	0.000025 J	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	0.00027	<0.00001	<0.00001	<0.000044	0.000023 J	<0.00001	0.00005 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	0.00048	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000098 J	<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	<0.000083	<0.00002	<0.00037	0.00049	0.001	<0.00002	<0.000039	0.00011	0.00055	0.00011	<0.000059	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
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	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000075	<0.000021	0.000066 J	0.00017	0.000023 J	<0.000021	<0.000021	0.00003 J	<0.000021	0.000035 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	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00055
Pyrene	*0.73*	*2.2*	<0.000019	0.00055	<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	<0.000019	<0.000019	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*	0.00232	0.00189 J	0.00166 J	0.00246	0.00268	0.00228	0.00198 J	0.00512	0.00102 J	<0.00222	0.00145 J	0.000557 J	0.000653 J	0.00346	0.000864 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-88C 01/14/2020	MW-88C 07/15/2020	MW-88C 01/19/2021	MW-88C 07/13/2021	MW-88C 01/05/2022	MW-88C 07/11/2022	MW-88C 01/11/2023	MW-88C 07/12/2023	MW-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	MW-89B 07/20/2022
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	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<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
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.00034	0.000077 J	<0.000019	<0.00015	0.000037 J	<0.000019	<0.000019	0.000054 J	<0.000019	0.00005 J	<0.000032	<0.000019	<0.000019	<0.000019	0.00052	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	0.000051 J	<0.000027	<0.000027	<0.00012	<0.000027	0.000061 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000083	<0.000027	<0.000027	<0.000027	0.00013	<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	0.000045 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.000014	0.00002 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.0002	<0.000014	<0.000014	<0.000014	0.000032 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000051	<0.00005	0.00017	<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	0.000079 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000064 J	<0.000037	<0.000037	<0.000037	0.000068 J	0.00007 J	<0.000037	<0.000037	0.000065 J	<0.000037	0.00015 J	0.000099 J	<0.000037	<0.00011	0.000061 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	0.00024	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.000052 J	0.000063 J	<0.00002	<0.000091	<0.00002	0.000039 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00011	<0.00002	<0.00002	<0.00002	0.00016	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	0.00003 J	<0.00002	<0.00002	<0.00002	<0.000078	<0.00002	<0.00002	0.000038 J	0.000034 J	<0.00002	<0.00011	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.000025 J	<0.00001	<0.00001	0.000073 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.0012	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.000069	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00018	<0.00003	<0.00003	<0.00003	0.000077 J	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	0.0058	0.0022	<0.000026	<0.0013	0.00019	<0.00002	<0.000052	0.0009	<0.00002	0.00025	<0.00029	<0.0002	<0.00002	0.000051 J	0.0034	0.000038 J
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
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	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	0.000053 J	<0.000021	<0.000021	0.000054 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00083	0.000058 J	<0.000021	<0.000021	0.00015	<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	0.00042	<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	0.000044 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00081	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.000862 J	0.000557 J	0.000821 J	0.000739 J	0.000907 J	0.00064 J	<0.00118	0.000681 J	0.00138 J	0.000683 J	<0.0004	0.000463 J	0.00193 J	0.000715 J	0.00121 J	0.000936 J	0.000693 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-89B 02/02/2023	MW-89B 07/18/2023	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-90B 01/12/2023	MW-90B 07/19/2023	MW-91A 03/12/2020	MW-91A 05/21/2020	MW-91A 07/23/2020	MW-91A 01/20/2021
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*						<0.0002											
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000022	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.000075 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.0004	<0.000042	<0.00004	<0.00004	0.00026
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	<0.00058	<0.000061	<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	<0.00042	<0.000044	<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	<0.00021	<0.000022	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00034	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.00002	<0.000019	<0.000019	0.011
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.000021	<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	<0.00047	<0.000049	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00015	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.00027	<0.000028	<0.000027	<0.000027	0.007
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	<0.00015	<0.000016	<0.000015	<0.000015	0.00026
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00014	<0.000015	<0.000014	<0.000014	0.0003
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	<0.0005	<0.000053	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000052 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.000021	<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	<0.0003	<0.000032	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	0.000097 J	<0.000037	0.00011 J	<0.000037	<0.000037	<0.000064	<0.000037	<0.000037	<0.000037	<0.000037	<0.00037	<0.000039	<0.000037	<0.000037	<0.0001
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000022	<0.000021	<0.000021	<0.000021
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	<0.0002	<0.000021	<0.00002	<0.00002	0.0046
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000071 J	0.00062	<0.00002	<0.00002	<0.00002	0.000021 J	<0.0002	0.000031 J	0.00019 J	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00012	0.000055 J	<0.00001	<0.00001	<0.00001	<0.00001	0.000045 J	<0.0001	<0.000011	<0.00001	<0.00001	0.00012
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00013	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.000032	<0.00003	<0.00003	0.0038
Naphthalene	*0.49*	*1.5*	0.00012	<0.00002	<0.00002	0.000045 J	0.000091 J	0.003	<0.00002	<0.00002	<0.00002	0.00011	<0.00002	<0.00002	<0.0002	0.000083 J	0.00037	<0.00002	0.093
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000025	<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	<0.00025	<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	<0.000079	<0.000079	<0.00079	<0.000083	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.0004	0.00004 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000022	<0.000021	<0.000021	0.0029
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.00019 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.000037	<0.000035	<0.000035	0.00011 J
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000077	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000033 J	<0.00019	<0.00002	<0.000019	<0.000019	0.000062 J
Metals																			
Arsenic	*0.01*	*0.01*	0.001 J	0.000702 J	0.00169 J	0.00346	**0.0135**	0.0029	0.00814	0.00314	0.00111 J	**0.0106**	**0.0129**	0.0036	0.00138 J	0.00989	**0.0169**	**0.0197**	**0.0179**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-91A 07/21/2021	MW-91A 07/21/2021 Duplicate	MW-91A 01/20/2022	MW-91A 01/20/2022 Duplicate	MW-91A 07/27/2022	MW-91A 07/27/2022 Duplicate	MW-91A 02/02/2023	MW-91A 02/02/2023 Duplicate	MW-91A 07/18/2023	MW-91A 07/18/2023 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
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00049 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00053 J	<0.00004 J	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<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	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00031 J	<0.000019 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00024	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000059 J	<0.00027 J	0.00026	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00016	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.000044 J	0.000022 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.00026	<0.000055
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	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	0.000041 J	<0.00002 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.000099 J	0.000037 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.000044 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.00006	0.000062 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*	0.000061	<0.000021	<0.000021	<0.000021	<0.000021	<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	0.000061 J	<0.00002 J	0.00005 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00038	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000023 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	0.0001	0.000057 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000054 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000087 J	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00017	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.0002	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00019	<0.00034	<0.00002	<0.00002	<0.00002	<0.00002	0.0063 J	0.000087 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.0001	<0.00002	<0.00002	0.005	<0.00021
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<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	<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	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	0.000098 J	0.000044 J	<0.000021	<0.000021	<0.000021	<0.000021	0.000033 J	<0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00028	<0.000041
Phenol	*7.3*	*22*	<0.000035	0.000051 J	<0.000035	<0.000035	<0.000035	<0.000035	0.00051 J	<0.000035 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.000099 J	0.000055 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000028 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000061 J	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	**0.0187**	**0.014**	**0.0188**	**0.0206**	**0.0217**	**0.0232**	**0.0158**	**0.017**	**0.0363**	**0.0292**	0.00201	0.0038	0.00478	0.00633	0.00308	0.00324	0.00408

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-92B 01/12/2023	MW-92B 07/19/2023	MW-93B 03/12/2020	MW-93B 05/22/2020	MW-93B 07/22/2020	MW-93B 01/14/2021	MW-93B 07/19/2021	MW-93B 01/14/2022	MW-93B 07/26/2022	MW-93B 01/26/2023	MW-93B 07/18/2023	MW-94A 03/12/2020	MW-94A 05/22/2020	MW-94A 07/20/2020	MW-94A 01/12/2021	MW-94A 07/19/2021
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	0.00092 J	0.00036 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.00021	<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	<0.0004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000041	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.00058	<0.000059	<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
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.00042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.00021	<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	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00002	<0.000019	<0.000019	<0.000038	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.0002	<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	<0.00047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.00027	0.000039 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000061	<0.000027	<0.000027	<0.000028	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.00014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.00006	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.0005	<0.000051	<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
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.0002	<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
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.0003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.00037	<0.000038	0.000053 J	0.00013 J	<0.00011	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.000056 J	<0.000037	0.00004 J	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.00021	<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
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.0002	0.000071 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000033	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	0.00002 J	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.0002	<0.00002	0.000068 J	0.000052 J	0.00029	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000021	0.000072 J	<0.00002	<0.000055	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000033	<0.00001	<0.00001	<0.00001	<0.00001	0.000019 J	0.000031 J	<0.00001
Fluorene	*0.98*	*2.9*	<0.00003	<0.0003	0.000058 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000043	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	0.000077 J	0.000063 J	0.00014	<0.00007	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	<0.00025	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.00024	<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	<0.00025	<0.000026	<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	<0.00079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.00021	0.00016	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000058	<0.000021	<0.000021	<0.000022	<0.000021	<0.000021	<0.000037	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.00035	<0.000036	<0.000035	<0.000035	<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	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000024	<0.000019	<0.000019	<0.00002	<0.000019	<0.000019	0.000022 J	<0.000019
Metals																		
Arsenic	*0.01*	*0.01*	0.00398	0.000871 J	0.00455	**0.0133**	0.00967	**0.0182**	0.00428	0.00952	0.00158 J	0.00379	0.0012 J	0.0054	0.006	0.00455	0.00762	0.0039

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-94A 01/25/2022	MW-94A 07/26/2022	MW-94A 01/26/2023	MW-94A 07/20/2023	MW-95A 03/17/2020	MW-95A 05/22/2020	MW-95A 07/20/2020	MW-95A 01/13/2021	MW-95A 07/14/2021	MW-95A 01/25/2022	MW-95A 07/22/2022	MW-95A 01/26/2023	MW-95A 07/21/2023	MW-96B 03/17/2020	MW-96B 03/17/2020 Duplicate	MW-96B 05/22/2020	MW-96B 07/20/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000036 J	<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	0.00033	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.00052	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<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	<0.000048	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000095 J	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<0.000014	<0.00002	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000015 J	<0.000014	<0.000014	<0.000014	<0.000014	0.000017 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	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.000058 J	0.000079 J	<0.000037	<0.000037	<0.000037	<0.000037	0.00035	0.00013 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	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000033 J	<0.00002	<0.00002	<0.00002	<0.00002	0.00014	<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	0.00036	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000077 J	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.000097	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<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	0.000059 J	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	<0.000098	0.00002 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000056	<0.00002	<0.000086	0.000023 J	0.0062	<0.00002	<0.00002	0.000083 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	<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	<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	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000064	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.000032 J	<0.000021	<0.000021	<0.000027	<0.000021	0.000068 J	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000071	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	0.00168 J	0.00203	0.00435	0.00931	0.000977 J	0.00254	0.00378	<0.00194	<0.00274	0.00306	<0.0004	0.00276	0.000945 J	0.00312	0.00311	0.00179 J	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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-96B 01/13/2021	MW-96B 07/19/2021	MW-96B 01/24/2022	MW-96B 07/22/2022	MW-96B 01/26/2023	MW-96B 07/21/2023	MW-97A 03/12/2020	MW-97A 05/26/2020	MW-97A 07/16/2020	MW-97A 01/11/2021	MW-97A 07/13/2021	MW-97A 01/10/2022	MW-97A 07/14/2022	MW-97A 01/17/2023	MW-97A 07/09/2023	MW-98A 03/12/2020	MW-98A 05/26/2020
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	<0.001	<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	<0.001	<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	<0.0015	<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	<0.0015	<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	<0.005	<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	<0.001	<0.0002	<0.0002	<0.0002	0.00065 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	<0.0015	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000022	<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	0.0013 J	<0.00004	<0.00004	<0.00004	0.000042	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.000078 J	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.000059	<0.000058	<0.000058	<0.000061	<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	<0.00042	<0.000042	<0.000042	<0.000042	<0.000044	<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	<0.00021	<0.000021	<0.000021	<0.000021	<0.000022	<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	0.0014	<0.000019	<0.000019	<0.000019	<0.00002	<0.000019	<0.000019	0.00054	<0.000019	<0.000019	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.000021	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000049	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000048	<0.000047
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.00027	<0.000027	<0.000027	<0.000027	<0.000028	<0.000027	<0.000027	0.00014	<0.000027	<0.000027	0.00004 J	<0.000027
Acenaphthylene	*1.5*	*4.4*	0.000039 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000016	<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	<0.00014	<0.000014	<0.000014	0.000046 J	<0.000015	<0.000014	<0.000014	0.000022 J	<0.000014	<0.000014	<0.000014	0.000055 J
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.000051	<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	<0.0002	<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	<0.0003	<0.00003	<0.00003	<0.00003	<0.000032	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00017 J	<0.000037	<0.000037	<0.000037	0.000037 J	<0.00037	<0.000037	<0.000037	<0.000037	<0.000039	<0.000085	0.000058 J	<0.00064	<0.000037	0.000086 J	<0.000038	0.000068 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000022	<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	<0.0002	<0.00002	<0.00002	<0.000024	<0.00002	<0.00002	<0.00002	0.00018	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.000035 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.0002	<0.00002	0.000084 J	<0.00002	0.00023	<0.00002	<0.00002	<0.000028	<0.00002	0.00061	<0.00002	0.000027 J
Fluoranthene	*0.98*	*2.9*	0.000015 J	<0.00001	<0.00001	0.000013 J	<0.00001	<0.0001	<0.00001	<0.00001	<0.000033	<0.000011	<0.00001	<0.00001	0.000047 J	<0.00001	<0.00001	0.000018 J	0.000023 J
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000046 J	<0.00003	<0.00003	<0.000031	<0.00003
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.000062	0.000023 J	0.021	<0.00002	<0.00002	<0.00018	<0.000021	<0.00002	<0.00002	0.0035	<0.00002	<0.00002	0.000042 J	<0.00002
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000025	<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	<0.00025	<0.000025	<0.000025	<0.000025	<0.000026	<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	<0.00079	<0.00008	<0.000079	<0.000079	<0.000083	<0.000079	<0.000079	0.00008 J	<0.000079	<0.000079	<0.000081	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000023	<0.000021	<0.00021	<0.000021	<0.000021	<0.000087	<0.000022	<0.000021	<0.000021	0.00011	<0.000021	<0.000021	<0.000021	0.000048 J
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.000035	<0.000037	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000036	<0.000035
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	0.000025 J	<0.00002	<0.000019	<0.000019	0.000038 J	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	<0.000972	<0.0004	<0.0004	<0.0004	<0.0004	0.000895 J	0.00121 J	0.00438	0.00478	0.000781 J	0.000695 J	0.000907 J	0.000546 J	0.000417 J	0.000962 J	0.00963	**0.0119**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	MW-98A 07/16/2020	MW-98A 01/11/2021	MW-98A 07/13/2021	MW-98A 01/10/2022	MW-98A 07/14/2022	MW-98A 01/06/2023	MW-98A 07/09/2023	MW-98B 03/12/2020	MW-98B 05/26/2020	MW-98B 07/16/2020	MW-98B 01/11/2021	MW-98B 07/27/2021	MW-98B 01/06/2022	MW-98B 07/14/2022	MW-98B 01/06/2023	MW-98B 07/09/2023	MW-99C 03/11/2020
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.005*	*0.005*	0.00024 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.002	0.00054 J	0.0006 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00078 J
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000041	<0.00004	<0.00004	0.00024	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.000041
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000059
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000043
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<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	<0.00002	0.000037 J	<0.000019	0.000063 J	<0.000019	<0.000019	<0.000019	0.000086 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000048
Acenaphthene	*1.5*	*4.4*	<0.00003	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000028	<0.000027	<0.000047	0.000074 J	<0.000027	0.000088 J	<0.000027	<0.000027	<0.000027	<0.000028
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<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*	0.00008 J	0.000028 J	<0.000014	<0.000014	0.00004 J	<0.000014	<0.000014	<0.000014	<0.000014	0.000028 J	0.000064 J	<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	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.000051
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	0.000089 J	<0.000079	<0.000037	<0.000037	<0.000037	0.00013 J	<0.000038	<0.000037	<0.000037	<0.000037	<0.000037	<0.000076	<0.00059	<0.000037	0.00004 J	0.00007 J
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	<0.000021	0.000046 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000038	0.000098 J	<0.00002	0.000085 J	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.00025	<0.00002	<0.00002	<0.00002	<0.00002	0.00067	<0.00002	0.00011 J	<0.00003	<0.00014	<0.00002	<0.00002	<0.000021	<0.00002	0.00026	<0.00002
Fluoranthene	*0.98*	*2.9*	<0.000033	0.000044 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000038	0.000072 J	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<0.000051	0.000056 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000031	<0.00003	<0.00006	0.00017	<0.00003	0.000098 J	<0.00003	<0.00003	<0.00003	<0.000031
Naphthalene	*0.49*	*1.5*	<0.00011	0.0001	<0.00002	0.000092 J	<0.000098	<0.00002	<0.00002	0.000036 J	<0.00002	<0.00016	0.00032	<0.00011	<0.00026	<0.000039	<0.00002	<0.00002	0.00018
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000026
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079	<0.000079	<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	<0.000081
Phenanthrene	*0.73*	*2.2*	<0.0001	0.0001	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00013	0.00034	<0.000021	0.000052 J	<0.000021	<0.000021	<0.000021	0.000053 J
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000036	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000036
Pyrene	*0.73*	*2.2*	0.000031 J	0.000025 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000022 J	0.000048 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals																			
Arsenic	*0.01*	*0.01*	**0.0187**	0.00968	**0.0119**	**0.0134**	**0.011**	**0.013**	0.00933	0.00165 J	0.00214	0.00302	0.0029	0.00468	0.00454	0.00128 J	0.00311	0.00155 J	0.000866 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	MW-99C 02/02/2023	MW-99C 07/21/2023	P-10 01/29/2008	P-10 01/29/2008 Duplicate	P-10 07/16/2008	P-10 01/22/2009	P-10 07/22/2009	P-10 07/22/2009 Duplicate	P-10 01/22/2010	P-10 01/22/2010 Duplicate
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					
Benzene	*0.005*	*0.005*	<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			<0.00047					
Ethylbenzene	*0.7*	*0.7*	<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			<0.00054					
Toluene	*1*	*1*	0.00051 J	<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			<0.00127					
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								
2,4-Dimethylphenol	*0.49*	*1.5*	<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								
2,6-Dinitrotoluene	*0.0013*	*0.003*	<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								
2-Methylnaphthalene	*0.098*	*0.29*	0.000036 J	0.00005 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019								
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002								
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047								
Acenaphthene	*1.5*	*4.4*	<0.000027	0.000068 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.00373	0.00854	0.0106	<0.0008	<0.0009	<0.0009	<0.0009	<0.0009
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00028	<0.00028	0.00053	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005
Anthracene	*7.3*	*22*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.000703	0.00036 J	0.000747	<0.0007	<0.0006	<0.0006	<0.0006	<0.0006
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005								
Benzo(a)pyrene	*0.0002*	*0.0002*	<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								
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037	<0.00011	0.000061 J	<0.000037	<0.000037	0.000062 J	<0.000037	0.00023 J	<0.00019	0.00022 J	<0.0012	<0.0033	<0.0033	<0.0033	<0.0033
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021								
Dibenzofuran	*0.098*	*0.29*	<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	<0.0007	<0.0007
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	0.00019 J	0.00019 J	<0.000029	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00019	<0.00019	0.00092 J	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005
Fluoranthene	*0.98*	*2.9*	<0.00001	<0.00001	0.000013 J	<0.00001	<0.00001	<0.00001	0.000015 J	<0.00001	0.000506	0.00025 J	0.00022 J	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000668	0.00251	0.00245	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006
Naphthalene	*0.49*	*1.5*	0.0004	0.00077 J	<0.000072	<0.00002	<0.00002	<0.00002	<0.00002	0.000053 J	<0.00038	<0.00037	0.00079	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024								
N-Nitrosodiphenylamine	*0.19*	*0.42*	<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								
Phenanthrene	*0.73*	*2.2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021								
Phenol	*7.3*	*22*	<0.000035	<0.000035	0.00004 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00019	<0.00019	<0.00021	<0.0015	<0.0005	<0.0005	<0.0005	<0.0005
Pyrene	*0.73*	*2.2*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000022 J	<0.000019	0.00039 J	<0.00019	<0.00021	<0.0009	<0.0005	<0.0005	<0.0005	<0.0005
Metals																		
Arsenic	*0.01*	*0.01*	0.000455 J	0.00102 J	0.000581 J	0.00145 J	0.000943 J	<0.0004	0.000836 J	0.000469 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	P-10 01/09/2014	P-10 01/09/2014 Duplicate	P-10 07/02/2014
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
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	<0.0005	<0.0005	<0.0005	<0.0000755	<0.0000755	<0.0000808	<0.0000812	0.000102 J	0.000966	0.01 J
Acenaphthylene	*1.5*	*4.4*	<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	<0.0000556	0.0000571 J	0.0000588 J
Anthracene	*7.3*	*22*	<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	0.000323 J	0.000369 J	0.000375 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	<0.0005	0.0015 J	<0.0005	<0.0005	<0.0005	<0.0005	0.000906	0.00112	0.000492 J	0.000575	<0.000343	<0.000343	0.00127
Chrysene	*0.91*	*2*																
Dibenzofuran	*0.098*	*0.29*	<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	<0.0000741	0.000135 J	0.00205 J
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	<0.000104	<0.000104	<0.000111	<0.000112	<0.000262	<0.000309	0.000108 J
Fluoranthene	*0.98*	*2.9*	<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	<0.0000648	<0.0000648	0.00042 J
Fluorene	*0.98*	*2.9*	<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	<0.0000648	0.000262 J	0.00393
Naphthalene	*0.49*	*1.5*	<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	<0.0000741	<0.0000741	0.0000784 J
Nitrobenzene	*0.049*	*0.15*																
N-Nitrosodiphenylamine	*0.19*	*0.42*																
Pentachlorophenol	*0.001*	*0.001*																
Phenanthrene	*0.73*	*2.2*																0.000575 J
Phenol	*7.3*	*22*	<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	<0.000037	<0.000037	<0.0000392
Pyrene	*0.73*	*2.2*	<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	<0.000102	<0.000102	0.000318 J
Metals																		
Arsenic	*0.01*	*0.01*																

Notes:

1. All values in milligrams per liter (mg/L).
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4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 3), updated January 2021.
5. RAL = Residential Assessment Level, C/I = Commercial/Industrial
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CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	P-10 07/13/2017 Duplicate	P-10 01/04/2018	P-10 01/04/2018 Duplicate	P-10 07/19/2018
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*																
Benzene	*0.005*	*0.005*																
Chlorobenzene	*0.1*	*0.1*																
Ethylbenzene	*0.7*	*0.7*																
Methylene chloride	*0.005*	*0.005*																
Toluene	*1*	*1*																
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*																
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*																
2,4-Dimethylphenol	*0.49*	*1.5*																
2,4-Dinitrotoluene	*0.0013*	*0.003*																
2,6-Dinitrotoluene	*0.0013*	*0.003*																
2-Chloronaphthalene	*2*	*5.8*																
2-Methylnaphthalene	*0.098*	*0.29*	0.000891 J															
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*																
4-Nitrophenol	*0.049*	*0.15*																
Acenaphthene	*1.5*	*4.4*	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	<0.000027	<0.000027	0.0033	0.041
Acenaphthylene	*1.5*	*4.4*	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	<0.000015	<0.000015	<0.000015	0.00038
Anthracene	*7.3*	*22*	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	<0.000014	<0.000014	0.00017	0.00058
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*	0.00133	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	0.00016 J	<0.00024	<0.00017	<0.00019
Chrysene	*0.91*	*2*																
Dibenzofuran	*0.098*	*0.29*	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	<0.00002	0.00029	0.00093	0.0047
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	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	<0.00002	<0.000042	<0.000034	<0.00002
Fluoranthene	*0.98*	*2.9*	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	<0.00001	0.00017	0.00016	0.00099
Fluorene	*0.98*	*2.9*	0.00514	<0.0000693	<0.0000693	0.0046	0.0038	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00042	0.0012	0.0073
Naphthalene	*0.49*	*1.5*	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	<0.00002	<0.00002	0.0034	0.00014
Nitrobenzene	*0.049*	*0.15*																
N-Nitrosodiphenylamine	*0.19*	*0.42*																
Pentachlorophenol	*0.001*	*0.001*																
Phenanthrene	*0.73*	*2.2*	0.000808 J															
Phenol	*7.3*	*22*	<0.0000396	<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	0.0014	<0.000035
Pyrene	*0.73*	*2.2*	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	<0.000019	<0.000019	<0.000019	0.00049
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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	P-10 01/04/2022	P-10 01/04/2022 Duplicate	P-10 07/06/2022	P-10 07/06/2022 Duplicate	P-10 01/04/2023	P-10 01/04/2023 Duplicate
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*	0.043	<0.000027	<0.000027	0.0028	<0.000027	0.00018	<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*	0.00032	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	0.0006	0.00025	0.00021	0.000065 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000026	<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*	<0.00022	<0.000061	<0.000057	0.00029	<0.000037	0.0001 J	<0.000037	<0.00019	<0.00013	<0.00008	<0.000037	<0.00011	<0.00011	<0.000071	<0.00014	0.00014 J	0.00014 J
Chrysene	*0.91*	*2*																	
Dibenzofuran	*0.098*	*0.29*	0.0042	<0.00002	<0.00002	<0.00002	<0.00002	<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	0.000032 J	0.000025 J	<4.6E-05 J	0.00029 J	<0.00002	<0.00002	<0.00002	<0.000028	<0.00002	<0.00002	<0.00002	0.000031 J
Fluoranthene	*0.98*	*2.9*	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	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	0.007	<0.00003	0.00003 J	<0.00003	<0.00003	0.00012	<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 J	<0.00002	<0.00002	0.000063 J	0.00017	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000064 J	<0.00002	<0.00002	<0.00002
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	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	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	<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
8. Based on historical data, MW-25A and MW-25C were likely mislabeled in March 2018 and results are provided correctly in this table.

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	P-10 07/06/2023	P-10 07/06/2023 Duplicate	P-11 01/30/2008	P-11 07/15/2008	P-11 02/04/2009	P-11 01/21/2010	P-11 06/22/2010	P-11 01/18/2011	P-11 07/27/2011	P-11 02/02/2012	P-11 07/26/2012	P-11 02/05/2013	P-11 08/01/2013	P-11 01/15/2014	P-11 07/29/2014	P-11 01/24/2018
Volatile Organic Compounds																		
1,2-Dichloroethane	*0.005*	*0.005*			<0.00052	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002
Benzene	*0.005*	*0.005*			<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	0.000207 J	<0.00008	<0.0002
Chlorobenzene	*0.1*	*0.1*			<0.00047	<0.00047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003
Ethylbenzene	*0.7*	*0.7*			<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	0.000253 J	<0.00011	<0.0003
Methylene chloride	*0.005*	*0.005*			<0.00054	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001
Toluene	*1*	*1*			<0.00041	<0.00041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002
Vinyl chloride	*0.002*	*0.002*												<0.00011				
Xylenes (total)	*10*	*10*			<0.00127	<0.00127	<0.001	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*			<0.00008	<0.00008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000108	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*			<0.00031	<0.00028	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	R	<0.000295	<0.000292	<0.000304	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*			<0.00021	<0.00019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000127	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*			<0.00021	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.000042
2-Chloronaphthalene	*2*	*5.8*			<0.00042	<0.00038	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*			0.000783	<0.00038	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	0.00023	<0.000052	0.000127 J	<0.0000667	0.000257 J	<0.0000686	<0.000019
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*			<0.00021	<0.00047	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	R	<0.00079	<0.000783	<0.000814	<0.00002
4-Nitrophenol	*0.049*	*0.15*			<0.00026	<0.00024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	R	<0.000533	<0.000528	<0.000549	<0.000047
Acenaphthene	*1.5*	*4.4*	<2.7E-05 J	0.000075 J	0.0776	<0.00028	0.0057	<0.00009	0.0037	<0.00009	0.00075	0.03	0.018	<0.0000755	<0.0000762	0.00951	0.000653	<0.000027
Acenaphthylene	*1.5*	*4.4*	<1.5E-05 J	0.000034 J	<0.00031	<0.00028	<0.00006	<0.00007	<0.00007	<0.00007	<0.00005	0.0002	0.0001 J	<0.0000566	<0.0000571	<0.0000566	<0.0000588	<0.000015
Anthracene	*7.3*	*22*	0.000034 J	0.000049 J	0.00356	<0.00019	0.00015 J	<0.00007	0.00012 J	<0.00007	0.00012 J	0.0016	0.00039	0.00025 J	0.0000997 J	0.000503	0.000119 J	<0.000014
Benzo(a)anthracene	*0.0091*	*0.02*			<0.00021	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*			**<0.00021**	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*			<0.00042	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.000124	<0.000123	<0.000127	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<3.7E-05 J	0.000082 J	0.00116 J	<0.00019	0.00022	<0.00051	<0.00021	0.0016	0.00018 J	<0.00013	0.00021	0.00036 J	0.000593 J	0.00403	<0.000711	0.00018 J
Chrysene	*0.91*	*2*			<0.00021	<0.00019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.0000762	<0.0000755	<0.0000784	<0.000021
Dibenzofuran	*0.098*	*0.29*	<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	0.00103	0.000176 J	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.000104	<0.000108	<0.00002
Fluoranthene	*0.98*	*2.9*	0.000047 J	0.000062 J	0.0061	<0.00019	<0.00007	<0.00007	0.00042	<0.00007	0.000081 J	0.0022	0.00048	<0.000066	<0.0000667	0.000287 J	0.0000771 J	0.000038 J
Fluorene	*0.98*	*2.9*	0.000059 J	0.000073 J	0.0219	<0.00019	0.0018	<0.00007	0.0016	<0.00007	0.000082 J	0.011	0.0044 J	0.0000769 J	<0.0000667	0.00264	0.000344 J	0.000045 J
Naphthalene	*0.49*	*1.5*	0.00007 J	0.000035 J	0.0324	<0.00038	0.0027	<0.0001	0.0027	<0.0001	0.00013 J	0.0017	<0.00026	0.000662	<0.0000762	0.0554	<0.0000784	<0.00002
Nitrobenzene	*0.049*	*0.15*			<0.00042	<0.00038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.000105	<0.000104	<0.000108	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*			<0.00026	<0.00024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0000952	<0.0000943	<0.000098	<0.000025
Pentachlorophenol	*0.001*	*0.001*			<0.00021	<0.00019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	R	<0.000581	<0.000575	<0.000598	<0.000079
Phenanthrene	*0.73*	*2.2*			0.0196	<0.00019	0.00048	<0.00007	0.00053	<0.00007	0.000086 J	0.0045	0.00055	0.0000854 J	<0.0000571	0.00189	<0.000317	<0.000021
Phenol	*7.3*	*22*	<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	<0.0000377	<0.0000392	<0.000035
Pyrene	*0.73*	*2.2*	0.000085 J	0.00023 J	0.00369	<0.00019	<0.00007	<0.00007	0.00015 J	<0.00007	<0.00005	0.0013	0.00023	<0.000104	<0.000105	0.000274 J	<0.000108	0.000039 J
Metals																		
Arsenic	*0.01*	*0.01*																**0.0374**

Notes:

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

	Residential Assessment Level	***C/I PCL***	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-11 01/10/2023	P-11 07/11/2023	P-12 01/29/2008	P-12 07/16/2008	P-12 07/16/2008 Duplicate	P-12 01/22/2009
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	<0.0002		<0.00109	<0.00052	
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	<0.0002	<0.0002		<0.00112	<0.00025	
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.0015	<0.00047	
Ethylbenzene	*0.7*	*0.7*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.00142	<0.00025	
Methylene chloride	*0.005*	*0.005*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.00122	<0.00054	
Toluene	*1*	*1*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.00138	<0.00041	
Vinyl chloride	*0.002*	*0.002*																
Xylenes (total)	*10*	*10*	<0.0003	0.00032 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.00302	<0.00127	
Semivolatile Organic Compounds																		
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00014 J	0.00086	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021				
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004				
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058				
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042				
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021				
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.00015	<0.000019	0.00005 J	0.000076 J	<0.000019	0.001	<0.000019	0.00048	<0.000019	0.00017	<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				
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047				
Acenaphthene	*1.5*	*4.4*	0.00021	0.081	<0.000027	0.0019	0.0046	0.0008	0.091	0.0015	0.02	0.00039	0.0037	0.00058	<0.00029	<0.0003	<0.0003	<0.0008
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.00033	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00029	<0.0003	<0.0003	<0.0007
Anthracene	*7.3*	*22*	<0.000014	0.0037	<0.000014	0.000063 J	0.000081 J	0.000078 J	0.0036	<0.000014	0.00042	0.00002 J	0.00014	<0.000014	0.000645	0.000552	0.000566	<0.0007
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005				
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002				
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00007 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003				
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<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	0.00014 J	<0.000037	<0.00019	0.00034 J	0.00064 J	<0.0012
Chrysene	*0.91*	*2*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021				
Dibenzofuran	*0.098*	*0.29*	<0.00002	0.0016	<0.00002	0.000079 J	0.00016	<0.00019	0.0032	0.000084 J	0.0015	0.000059 J	0.00054	0.00011	<0.00029	<0.0003	<0.0003	<0.0007
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	0.000025 J	<0.00002	<0.00002	<0.00002	<0.000025	<0.00002	0.000055 J	<0.00002	<0.00002	<0.00002	0.000051 J	<0.00019	0.00085 J	0.00087 J	<0.0007
Fluoranthene	*0.98*	*2.9*	<0.00001	0.0056	<0.00001	0.00006 J	<0.00001	0.00022	0.0039	0.000085 J	0.00037	0.00012	0.0001	<0.00001	<0.00019	<0.0002	<0.0002	<0.0006
Fluorene	*0.98*	*2.9*	<0.00003	0.037	<0.00003	0.00074	0.0013	<0.00017	0.041	0.00015	0.0055	0.000068 J	0.0014	0.000087	<0.00019	<0.0002	<0.0002	<0.0008
Naphthalene	*0.49*	*1.5*	<0.00002	0.0024	<0.00002	<0.0018	0.00048	<0.00011	0.0018	<0.00022	<0.00041	0.00011	0.0022	<0.00002	<0.00038	0.000626	0.000639	<0.0008
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024				
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	0.0001 J	0.000025 J	<0.000025				
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079				
Phenanthrene	*0.73*	*2.2*	<0.000021	0.04	<0.000021	0.0002	0.00035	<0.00024	<0.037	<0.000021	0.0029	<0.000021	0.00067	<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	<0.00019	<0.0002	<0.0002	<0.0015
Pyrene	*0.73*	*2.2*	<0.000019	0.0032	<0.000019	0.000036 J	<0.000019	0.0001	0.0021	0.000039 J	0.0002	0.000059 J	0.000055 J	<0.000019	0.00932	0.00211	0.00166	0.0026 J
Metals																		
Arsenic	*0.01*	*0.01*	**0.016**	**0.0622**	**0.0183**	**0.0704**	**0.036**	**0.0116**	**0.0867**	0.00921	**0.0933**	**0.0444**	**0.0704**	**0.0451**				

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	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	P-12 07/08/2015	P-12 01/13/2016	P-12 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										<0.000066				
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	<0.0005	<0.0005	<0.0005	<0.0000755	<0.00008	<0.0000741	<0.0000755	<0.0000792	<0.000027	<0.000027	<0.000027
Acenaphthylene	*1.5*	*4.4*	<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	<0.000015	<0.000015	<0.000015
Anthracene	*7.3*	*22*	<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	<0.000014	<0.000014	0.000026 J
Benzo(a)anthracene	*0.0091*	*0.02*																
Benzo(a)pyrene	*0.0002*	*0.0002*																
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*																
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.0012	<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	0.00055	0.00036	0.000086 J
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	<0.0000755	<0.00008	<0.0000741	<0.0000755	<0.0000792	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00002	<0.00002	<0.00002
Fluoranthene	*0.98*	*2.9*	<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	<0.00001	<0.00001	<0.00001
Fluorene	*0.98*	*2.9*	<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	<0.00003	<0.00003	<0.00003
Naphthalene	*0.49*	*1.5*	<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	<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										<0.0000566				
Phenol	*7.3*	*22*	<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	<0.000035	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	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	<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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	*C/I PCL*	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	P-12 01/03/2023	P-12 07/05/2023	TW-41B 01/19/2010	TW-41B 07/27/2011	TW-41B 02/01/2012
Volatile Organic Compounds																			
1,2-Dichloroethane	*0.005*	*0.005*															<0.0005	<0.001	<0.001
Benzene	*0.005*	*0.005*															<0.0005	<0.001	<0.001
Chlorobenzene	*0.1*	*0.1*															<0.0005	<0.001	<0.001
Ethylbenzene	*0.7*	*0.7*															<0.0005	0.0075	<0.0011
Methylene chloride	*0.005*	*0.005*															<0.0005	<0.0013	<0.0013
Toluene	*1*	*1*															<0.0005	0.0033 J	<0.001
Vinyl chloride	*0.002*	*0.002*																	
Xylenes (total)	*10*	*10*															<0.001	0.0052 J	<0.0031
Semivolatile Organic Compounds																			
1,2-Diphenylhydrazine	*0.0011*	*0.0026*															<0.0001	<0.00005	<0.00005
2,4-Dimethylphenol	*0.49*	*1.5*															<0.00008	<0.00005	0.00005 J
2,4-Dinitrotoluene	*0.0013*	*0.003*															<0.00009	<0.00005	0.00005 J
2,6-Dinitrotoluene	*0.0013*	*0.003*															<0.00007	<0.00006	0.00006 J
2-Chloronaphthalene	*2*	*5.8*															<0.0001	<0.00005	0.00005 J
2-Methylnaphthalene	*0.098*	*0.29*															<0.00007	0.015	0.00005 J
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*															<0.00008	<0.00008	<0.00008
4-Nitrophenol	*0.049*	*0.15*															<0.00007	<0.00005	0.00005 J
Acenaphthene	*1.5*	*4.4*	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.00009	0.041	0.00005 J
Acenaphthylene	*1.5*	*4.4*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.00007	0.00053	0.00005 J
Anthracene	*7.3*	*22*	<0.000014	<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	<0.000014	0.000029 J	<0.00007	0.0022	0.00016 J
Benzo(a)anthracene	*0.0091*	*0.02*															<0.00007	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*															<0.00008	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*															<0.00009	<0.00005	0.00005 J
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	0.00029	0.00026	<0.00012	<0.00009	<0.000037	<0.000037	<0.000037	<0.000037	<0.00004	<0.000037	<0.000062	<0.000037	<0.000037	<0.000037	0.0011	0.00022	<0.00023
Chrysene	*0.91*	*2*															<0.00007	<0.00005	<0.00005
Dibenzofuran	*0.098*	*0.29*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	0.029	0.00005 J
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<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	<0.00002	<0.00002	<0.00007	<0.00005	<0.00005
Fluoranthene	*0.98*	*2.9*	<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	<0.00001	<0.00001	0.000041 J	<0.00007	0.0022	<0.00005
Fluorene	*0.98*	*2.9*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.000058 J	0.00015 J	0.028	0.00005 J
Naphthalene	*0.49*	*1.5*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00016	<0.00002	<0.00002	<0.00002	<0.00002	0.00038	<0.00002	0.000047 J	0.00014 J	0.049	0.00051 J
Nitrobenzene	*0.049*	*0.15*															<0.00009	<0.00005	0.00005 J
N-Nitrosodiphenylamine	*0.19*	*0.42*															<0.00009	<0.00005	<0.00005
Pentachlorophenol	*0.001*	*0.001*															<0.00008	<0.00005	0.00005 J
Phenanthrene	*0.73*	*2.2*															<0.00007	0.019	<0.00005
Phenol	*7.3*	*22*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000073 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.00005	0.000057 J
Pyrene	*0.73*	*2.2*	<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	<0.000019	0.000074 J	<0.00007	0.00095	<0.00005
Metals																			
Arsenic	*0.01*	*0.01*																	

Notes:

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

TABLE 2
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

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

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 2 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Residential Assessment Level	***C/I PCL***	TW-41B 01/10/2023	TW-41B 07/13/2023
Volatile Organic Compounds				
1,2-Dichloroethane	*0.005*	*0.005*	<0.0002	<0.001
Benzene	*0.005*	*0.005*	0.0004 J	<0.001
Chlorobenzene	*0.1*	*0.1*	<0.0003	<0.0015
Ethylbenzene	*0.7*	*0.7*	<0.0003	0.0025 J
Methylene chloride	*0.005*	*0.005*	<0.001	<0.005
Toluene	*1*	*1*	<0.0002	<0.001
Vinyl chloride	*0.002*	*0.002*		
Xylenes (total)	*10*	*10*	0.0013	0.02
Semivolatile Organic Compounds				
1,2-Diphenylhydrazine	*0.0011*	*0.0026*	<0.000021	<0.000021
2,4-Dimethylphenol	*0.49*	*1.5*	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.0013*	*0.003*	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.0013*	*0.003*	<0.000042	<0.000042
2-Chloronaphthalene	*2*	*5.8*	<0.000021	<0.000021
2-Methylnaphthalene	*0.098*	*0.29*	<0.000019	0.035
4,6-Dinitro-2-methylphenol	*0.0024*	*0.0073*	<0.00002	<0.00002
4-Nitrophenol	*0.049*	*0.15*	<0.000047	<0.000047
Acenaphthene	*1.5*	*4.4*	0.048	0.062
Acenaphthylene	*1.5*	*4.4*	0.0013	<0.000015
Anthracene	*7.3*	*22*	<0.000014	0.0028
Benzo(a)anthracene	*0.0091*	*0.02*	<0.00005	<0.00005
Benzo(a)pyrene	*0.0002*	*0.0002*	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.00083*	*0.0019*	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.006*	*0.006*	<0.000037	<0.000037
Chrysene	*0.91*	*2*	<0.000021	<0.000021
Dibenzofuran	*0.098*	*0.29*	0.0035	0.033
Di-n-butylphthalate (DBP)	*2.4*	*7.3*	<0.00002	<0.0002
Fluoranthene	*0.98*	*2.9*	0.0025	0.0023
Fluorene	*0.98*	*2.9*	0.0045	0.038
Naphthalene	*0.49*	*1.5*	<0.00002	0.18
Nitrobenzene	*0.049*	*0.15*	<0.000024	<0.000024
N-Nitrosodiphenylamine	*0.19*	*0.42*	<0.000025	<0.000025
Pentachlorophenol	*0.001*	*0.001*	<0.000079	<0.000079
Phenanthrene	*0.73*	*2.2*	<0.000021	0.017
Phenol	*7.3*	*22*	<0.000035	<0.000035
Pyrene	*0.73*	*2.2*	0.0011	0.00087
Metals				
Arsenic	*0.01*	*0.01*	**0.0143**	**0.0937**

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

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

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	MW-33B 01/29/2008 DNAPL	MW-33B 07/14/2008 DNAPL	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
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.00052	<0.00109	<0.00109	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.0005	<0.007	<0.0007
Benzene	*0.5*	*0.5*	**1.92**	**2.73**	**2.69**	**2.4**	**1.2**	**2**	**1**	**1.6**	**2**	0.3	**1.61**	**1.62**
Chlorobenzene	*10*	*10*	<0.00047	<0.0015	<0.0015	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.0005	<0.006	<0.0006
Ethylbenzene	*70*	*70*	0.491	0.626	0.598	0.47	0.41	0.62	0.36	0.4	0.46	0.07	0.471	0.389
Methylene chloride	*0.5*	*0.5*	<0.00054	<0.00122	<0.00122	0.0096 J	<0.005	<0.005	<0.005	<0.013	<0.0065	<0.001	0.011 J	<0.00075
Toluene	*100*	*100*	0.1	0.136	0.13	0.084	0.019 J	0.016 J	0.0067 J	<0.01	0.12	0.023	0.157	0.0645
Vinyl chloride	*0.2*	*0.2*								<0.01	<0.005	<0.0005	<0.0055	<0.00055
Xylenes (total)	*1000*	*1000*	1.24	1.63	1.58	1.4	1.2	1.5	0.85	1.2	0.82	0.15	0.924	0.182
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.01	<0.008	<0.008	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.0005	**<0.529**	<0.00519
2,4-Dimethylphenol	*49*	*150*	<0.043	<0.028	<0.028	<0.00008	0.0035	<0.00008	0.0029	0.0034	<0.00005	0.0074	<1.49	<0.0146
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.029	<0.019	<0.019	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.0005	**<0.625**	<0.00613
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.029	<0.019	<0.019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.0006	**<0.385**	<0.00377
2-Chloronaphthalene	*200*	*580*	<0.057	<0.038	<0.038	<0.00012	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.0005	<0.385	<0.00377
2-Methylnaphthalene	*9.8*	*29*	0.443	0.808	0.787	1.9	0.71	0.51	0.52	1.6	0.81	0.55	0.993 J	0.198
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.029	<0.019	<0.019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.0008	**<3.99**	<0.0392
4-Nitrophenol	*4.9*	*15*	<0.036	<0.024	<0.024	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.0005	<2.69	<0.0264
Acenaphthene	*150*	*440*	0.137	0.152	0.182	0.41	0.17	0.096	0.15	0.41	0.23	0.099	<0.385	0.0455
Acenaphthylene	*150*	*440*	<0.043	<0.028	<0.028	0.0037	0.0016	0.0011	0.0015	0.0033	<0.00005	0.0014 J	<0.288	<0.00283
Anthracene	*730*	*2200*	<0.029	<0.019	0.035	0.14	0.015	0.011	0.027	0.16	0.054	0.011	<0.24	<0.00236
Benzo(a)anthracene	*0.91*	*2*	<0.029	<0.019	<0.019	0.022	0.00019 J	0.000073 J	0.0019	0.032	0.000074 J	<0.0005	<0.385	<0.00377
Benzo(a)pyrene	*0.02*	*0.02*	**<0.029**	<0.019	<0.019	0.0045	<0.00008	<0.00008	0.00073	0.0077	<0.00005	<0.0005	**<0.385**	<0.00377
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.057	<0.038	<0.038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.0005	**<0.625**	<0.00613
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.029	<0.019	<0.019	0.00031	0.008	<0.00054	0.00091	<0.00046	<0.00018	<0.001	**<1.78**	<0.0175
Chrysene	*91*	*200*	<0.029	<0.019	<0.019	0.02	0.00018 J	0.000092 J	0.0018	0.026	0.000073 J	<0.0005	<0.385	<0.00377
Dibenzofuran	*9.8*	*29*	0.118	0.17	0.205	0.46	0.18	0.13	0.17	0.53	0.38	0.15	<0.385	0.0498
Di-n-butylphthalate (DBP)	*240*	*730*	<0.029	<0.019	<0.019	<0.00007	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.0005	<0.529	<0.00519
Fluoranthene	*98*	*290*	<0.029	<0.019	0.042	0.2	0.0033	0.0018	0.033	0.28	0.0049	0.01	<0.337	<0.0033
Fluorene	*98*	*290*	0.046	0.0683	0.098	0.26	0.068	0.048	0.069	0.31	0.12	0.051	<0.337	0.0181 J
Naphthalene	*49*	*150*	12.5	16	13.1	20	10	2.2	7	13	21	7.3	14.9 J	6.54
Nitrobenzene	*4.9*	*15*	<0.057	<0.038	<0.038	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.0005	<0.529	<0.00519
N-Nitrosodiphenylamine	*19*	*42*	<0.036	<0.024	<0.024	<0.00009	<0.00009	<0.00009	<0.00009	<0.00005	0.00081	<0.0005	<0.481	<0.00472
Pentachlorophenol	*0.1*	*0.1*	<0.029	<0.019	<0.019	<0.00008	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.0005	**<2.93**	<0.0288
Phenanthrene	*73*	*220*	0.0903	0.0688	0.186	0.72	0.066	0.041	0.09	0.79	0.17	0.091	<0.288	0.0141 J
Phenol	*730*	*2200*	<0.029	<0.019	<0.019	0.003	<0.00007	0.0032	<0.00007	0.001	0.0043	0.0014 J	<0.192	<0.00189
Pyrene	*73*	*220*	0.045	<0.019	0.022	0.13	0.0016	0.00092	0.007	0.17	0.0025	0.0054	<0.529	<0.00519
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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-33BR 01/21/2014	MW-33BR 07/28/2014	MW-33BR 01/28/2018	MW-33BR 03/29/2018	MW-33BR 05/31/2018	MW-33BR 01/22/2019	MW-33BR 07/30/2019	MW-33BR 01/15/2020	MW-33BR 07/27/2020	MW-33BR 01/19/2021	MW-33BR 07/20/2021	MW-33BR 01/12/2022
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0032	<0.0002	<0.002	<0.001
Benzene	*0.5*	*0.5*	**0.837**	**1.41**	<0.0002	<0.0002	0.12	0.0025	0.25	0.12	0.14	**0.98**	**0.69**	0.073
Chlorobenzene	*10*	*10*	0.000349 J	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.0015
Ethylbenzene	*70*	*70*	0.128	0.348	<0.0003	<0.0003	0.0058	0.013	0.065	0.043	0.099	0.23	0.19	0.14
Methylene chloride	*0.5*	*0.5*	<0.00022	<0.00075	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	0.0064 J
Toluene	*100*	*100*	0.00942	0.00638	<0.0002	<0.0002	<0.0002	<0.0002	0.0031	<0.0002	0.0067	0.0071	0.0069 J	0.0056
Vinyl chloride	*0.2*	*0.2*	<0.00018	<0.00055	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.001
Xylenes (total)	*1000*	*1000*	0.128	0.0649	<0.0003	<0.0003	0.0058	<0.0003	0.016	0.011	0.033	0.14	0.065	0.03
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000529	<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	*49*	*150*	<0.00149	<0.000301	<0.00004	<0.00004	<0.00004	<0.00004	0.00028	0.00018 J	<0.00004	<0.00004	<0.00004	0.0064
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000625	<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	*0.13*	*0.3*	<0.000385	<0.0000777	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.000385	<0.0000777	<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*	0.0558	0.277	<0.000019	<0.000019	0.0029	<0.000019	0.014	0.00025	0.022	0.087	0.11	0.035
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00399	<0.000806	<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*	<0.00269	<0.000544	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*150*	*440*	0.0625	0.0711	<0.000027	<0.000027	0.0019	0.0013	0.0078	0.0051	0.0066	0.019	0.026	0.013
Acenaphthylene	*150*	*440*	<0.000679	0.00087	<0.000015	<0.000015	0.000068 J	<0.000015	<0.000015	0.00015	0.00015	0.00041	0.00019	<0.000015
Anthracene	*730*	*2200*	0.0045	0.00564	<0.000014	<0.000014	0.00018	<0.000014	0.00055	0.00046	0.0018	0.00097	0.0019	0.0018
Benzo(a)anthracene	*0.91*	*2*	<0.000385	0.000119 J	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.0001	<0.00059	0.000058 J	<0.00005	0.00064
Benzo(a)pyrene	*0.02*	*0.02*	<0.000385	<0.0000777	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000039 J	<0.00016	<0.00002	<0.00002	0.00023
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.000625	<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)	*0.6*	*0.6*	<0.00178	0.000722	0.000062 J	<0.000037	0.0001 J	<0.000037	0.00007 J	0.00067	0.000072 J	<0.000037	<0.000037	<0.000037
Chrysene	*91*	*200*	<0.000385	0.000132 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00011	0.00052	<0.000021	<0.000021	0.00084
Dibenzofuran	*9.8*	*29*	0.0769	0.0868	<0.000021	<0.00002	0.0019	0.000079 J	0.012	0.0039	0.0085	0.027	0.04	0.016
Di-n-butylphthalate (DBP)	*240*	*730*	<0.000529	<0.000384	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00099	<0.000038	<0.00002	<0.00002	<0.00002
Fluoranthene	*98*	*290*	0.00107 J	0.00265	0.000049 J	<0.00001	0.0003	0.000053 J	0.00039	0.00082	0.0035	0.0004	0.0011	0.0033
Fluorene	*98*	*290*	0.0287	0.035 J	<0.00003	<0.00003	0.00058	<0.00003	0.0042	0.0018	0.0041	0.011	0.016	0.0082
Naphthalene	*49*	*150*	1.68 J	6.59	<0.00018	<0.00002	0.069	0.00004 J	0.53 J	0.0051	0.95	0.2	0.4	1.2
Nitrobenzene	*4.9*	*15*	<0.000529	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*19*	*42*	<0.000481	<0.0000971	<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*	<0.00293	<0.000592	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*73*	*220*	0.0238	0.0313 J	<0.000047	<0.000021	0.0008	<0.000021	0.0048	0.0013	0.01	0.0088	0.019	0.0097
Phenol	*730*	*2200*	<0.000192	<0.0000388	<0.000035	<0.000035	<0.000035	<0.000035	0.00021	0.00018 J	0.00023	0.000079 J	0.000087 J	<0.000035
Pyrene	*73*	*220*	0.000734 J	0.00126	<0.000019	<0.000019	0.00019	0.00003 J	0.00026	0.00057	0.0023	0.0002	0.00058	0.0021
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

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-33BR 07/19/2022	MW-33BR 02/01/2023	MW-33BR 07/20/2023	MW-36B 07/15/2010	MW-36B 07/15/2010 Duplicate	MW-36B 01/20/2011	MW-36B 07/19/2011	MW-36B 02/08/2012	MW-36B 07/17/2012	MW-36B 01/31/2013	MW-36B 08/06/2013	MW-36B 01/16/2014
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002
Benzene	*0.5*	*0.5*	0.36	**1.3**	0.48	<0.0005	<0.0005	0.0018 J	0.0014 J	<0.001	<0.0005	<0.00008	<0.00008	<0.0002
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018
Ethylbenzene	*70*	*70*	0.1	0.15	0.16	<0.0005	<0.0005	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022
Toluene	*100*	*100*	0.0083	0.0037	0.014	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017
Vinyl chloride	*0.2*	*0.2*	<0.0002						<0.001		<0.0005	<0.00011	<0.00011	<0.00018
Xylenes (total)	*1000*	*1000*	0.035	0.071	0.066	<0.001	<0.001	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.00021	<0.00021	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000104	<0.00011	<0.000104
2,4-Dimethylphenol	*49*	*150*	0.00026	<0.0004	0.0023	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000292	<0.00031	<0.000292
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.00058	<0.00058	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.00013	<0.000123
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.00042	<0.00042	<0.00007	<0.00007	<0.00007	<0.00006	<0.00006	<0.00006	<0.0000755	<0.00008	<0.0000755
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.00021	<0.00021	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00008	<0.0000755
2-Methylnaphthalene	*9.8*	*29*	0.052	0.072	0.035	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000762	<0.00007	<0.000271
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.000783	<0.00083	<0.000783
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.00047	<0.00047	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000528	<0.00056	<0.000528
Acenaphthene	*150*	*440*	0.0098	0.024	0.013	<0.00009	<0.00009	0.00023	0.00014 J	0.00023	0.00016 J	<0.0000755	<0.00008	0.000463 J
Acenaphthylene	*150*	*440*	0.00015	<0.00015	<0.00015	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000566	<0.00006	<0.0000566
Anthracene	*730*	*2200*	0.00085	0.005	0.001 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000472	<0.00005	0.00035 J
Benzo(a)anthracene	*0.91*	*2*	0.00012	<0.0005	<0.0005	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00008	0.00012 J
Benzo(a)pyrene	*0.02*	*0.02*	0.000077 J	<0.0002	<0.0002	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00008	<0.0000755
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.0003	<0.0003	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000123	<0.00013	<0.000123
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.000037	<0.00037	<0.00037	0.01	0.0024	<0.00048	<0.00068	<0.00033	0.00021	<0.000349	<0.00037	0.00044 J
Chrysene	*91*	*200*	0.0001	<0.00021	<0.00021	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000755	<0.00008	0.000146 J
Dibenzofuran	*9.8*	*29*	0.022	0.031	0.017	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	0.00011 J	<0.000118	<0.00008	<0.000409
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.0002	<0.0002	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.00011	<0.000104
Fluoranthene	*98*	*290*	0.00039	0.0027	0.00098 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000066	<0.00007	0.000756
Fluorene	*98*	*290*	0.0054	0.013	0.0073	<0.00007	<0.00007	<0.00007	<0.00005	0.00011 J	<0.00005	<0.000066	<0.00007	0.000434 J
Naphthalene	*49*	*150*	0.88	2.8	0.75	<0.0001	<0.0001	<0.0001	<0.00005	<0.00024	<0.00005	<0.000943	0.0000895 J	0.000825 J
Nitrobenzene	*4.9*	*15*	<0.000024	<0.00024	<0.00024	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000104	<0.00011	<0.000104
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.00025	<0.00025	<0.00009	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000943	<0.0001	<0.0000943
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.00079	<0.00079	<0.00008	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.000575	<0.00061	<0.000575
Phenanthrene	*73*	*220*	0.0073	0.018	0.0087	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	0.00027	<0.0000566	<0.00006	0.00183
Phenol	*730*	*2200*	0.00023	<0.00035	<0.00035	<0.00007	<0.00007	0.000089 J	<0.00005	0.00026	<0.00005	<0.0000377	<0.00004	<0.0000377
Pyrene	*73*	*220*	0.00025	0.0019	0.0006 J	<0.00007	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000104	<0.00011	0.00046 J
Metals														
Arsenic	*1*	*1*	0.000904 J	0.00283	0.00125 J									

Notes:

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

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

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

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-36B 01/11/2022	MW-36B 01/11/2022 Duplicate	MW-36B 07/21/2022	MW-36B 07/21/2022 Duplicate	MW-36B 02/01/2023	MW-36B 02/01/2023 Duplicate	MW-36B 07/24/2023	MW-49B 02/04/2009	MW-49B 01/20/2010	MW-49B 06/24/2010	MW-49B 01/20/2011	MW-49B 01/20/2011 Duplicate
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Benzene	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0095	0.013	0.1	0.0057	0.0056
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	*70*	*70*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0081	0.024	0.019	0.004 J	0.0046 J
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	*100*	*100*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.016	0.045	0.071	0.0072	0.0072
Vinyl chloride	*0.2*	*0.2*												
Xylenes (total)	*1000*	*1000*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.024	0.07	0.047	0.0066 J	0.0073 J
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.031	0.013	1.2	0.18	0.16
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.00009	<0.00009	<0.00045	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.00007	<0.00007	<0.00035	<0.00007	<0.00007
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.00012	<0.0001	<0.0005	<0.0001	<0.0001
2-Methylnaphthalene	*9.8*	*29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.14	<0.00007	0.0016	<0.00007	<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	<0.00008	<0.00008	<0.0004	<0.00008	<0.00008
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007	<0.00035	<0.00007	<0.00007
Acenaphthene	*150*	*440*	<0.000027	0.000049 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.094	0.017	0.014	0.00067	0.00049
Acenaphthylene	*150*	*440*	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.0016	0.0007	0.00063 J	<0.00007	0.000072 J
Anthracene	*730*	*2200*	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.019	0.00015 J	<0.00035	0.00031	0.000083 J
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00035	<0.00007	<0.00035	<0.00007	<0.00007
Benzo(a)pyrene	*0.02*	*0.02*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008	<0.0004	<0.00008	<0.00008
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009	<0.00045	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.00011 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	0.00029	<0.00053	<0.001	<0.00055	<0.0015
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.00038	<0.00007	<0.00035	<0.00007	<0.00007
Dibenzofuran	*9.8*	*29*	<0.00002	0.000038 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.071	0.0024	0.0026	0.00018 J	0.00012 J
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.0013	0.000083 J	<0.00035	<0.00007	<0.00007
Fluoranthene	*98*	*290*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.014	0.00023	<0.00035	0.00019 J	<0.00007
Fluorene	*98*	*290*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.071	0.0036	0.0016	0.00018 J	<0.00007
Naphthalene	*49*	*150*	<0.00002	<0.00039	<0.00002	<0.00002	0.00018 J	0.000082 J	<0.00002	1.4	0.00044	0.23	<0.00052	<0.0002
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00009	<0.00009	<0.00045	<0.00009	<0.00009
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009	<0.00045	<0.00009	<0.00009
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008	<0.0004	<0.00008	<0.00008
Phenanthrene	*73*	*220*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.11	0.00017 J	<0.00035	<0.00021	<0.0003
Phenol	*730*	*2200*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.00007	0.0053	0.00044	0.0004
Pyrene	*73*	*220*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.0074	0.0002	<0.00035	0.00024	0.00017 J
Metals														
Arsenic	*1*	*1*	0.000982 J	0.00108 J	0.000881 J	0.000865 J	0.000893 J	0.00111 J	0.00107 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	***Class 3 C/I PCL***	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	MW-49B 03/21/2018	MW-49B 05/25/2018	MW-49B 01/27/2020 DNAPL	MW-49B 07/21/2020 DNAPL
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.001	<0.001	<0.0005	<0.00014	<0.0028	<0.0002	<0.0028	<0.0002	<0.0002	<0.0002	<0.01	<0.0002
Benzene	*0.5*	*0.5*	0.056	0.0056	0.11	0.0631	0.469	0.0691	0.346	0.0073	0.026	0.26	**0.6**	0.5
Chlorobenzene	*10*	*10*	<0.001	<0.001	<0.0005	<0.00012	0.0103 J	<0.00018	<0.0024	<0.0003	<0.0003	<0.0003	<0.015	<0.0003
Ethylbenzene	*70*	*70*	0.0091	0.0042 J	0.023	0.0182	0.0825	0.0425	0.0847	<0.0003	<0.0003	0.048	0.26	0.15
Methylene chloride	*0.5*	*0.5*	<0.0013	<0.0013	<0.001	<0.00015	<0.003	<0.00022	0.0212	<0.001	<0.001	<0.001	<0.05	<0.001
Toluene	*100*	*100*	0.038	0.0057	0.089	0.0633	0.345	0.091	0.31	0.0058	0.014	0.23	0.72	0.56
Vinyl chloride	*0.2*	*0.2*	<0.001	<0.001	<0.0005	<0.00011	<0.0022	<0.00018	<0.0022	<0.0002	<0.0002	<0.0002	<0.01	0.0058
Xylenes (total)	*1000*	*1000*	0.02	0.008 J	0.06	0.0527	0.222	0.112	0.249	0.0095	0.012	0.14	0.71	0.39
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105	<0.0259	<0.00208	<0.000021	<0.00021	<0.00021	<0.0013	<0.00021
2,4-Dimethylphenol	*49*	*150*	0.59	0.19	6.3	1.09	21.4	4.96 J	13.6	0.2	0.34	3.4	25	2.1
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00005	<0.00005	<0.00005	<0.00619	<0.0124	<0.0307	<0.00245	<0.000058	<0.00058	<0.00058	<0.0035	<0.00058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00006	<0.00006	<0.00006	<0.00381	<0.00762	<0.0189	<0.00151	0.002	<0.00042	<0.00042	<0.0025	<0.00042
2-Chloronaphthalene	*200*	*580*	<0.00005	<0.00005	<0.00005	<0.00381	<0.00762	<0.0189	<0.00151	<0.000021	<0.00021	<0.00021	<0.0013	<0.00021
2-Methylnaphthalene	*9.8*	*29*	0.0029	0.0095	0.18	0.297	0.223	0.691	0.276	0.00011	0.00084 J	0.072	**250**	0.28
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00008	<0.00008	<0.00008	<0.0395	<0.079	<0.196	<0.0157	<0.00002	<0.0002	<0.0002	<0.0012	<0.0002
4-Nitrophenol	*4.9*	*15*	<0.00005	<0.00005	<0.00005	<0.0267	<0.0533	<0.132	<0.0106	<0.000047	<0.00047	<0.00047	<0.0028	<0.00047
Acenaphthene	*150*	*440*	0.0051	0.034	0.14	0.248	0.0964	0.622	0.117	0.071	0.066	0.071	**190**	0.12
Acenaphthylene	*150*	*440*	0.00019 J	0.0007	0.0013	<0.00286	<0.00571	<0.0142	0.00432 J	0.0017	0.003	0.0026	2.1	0.0031
Anthracene	*730*	*2200*	0.00093	0.0029	0.056	0.0876	<0.00476	0.221	0.013	0.003	0.0038	0.0073	87	0.022
Benzo(a)anthracene	*0.91*	*2*	0.00018 J	<0.00005	0.013	0.0228 J	<0.00762	0.0671 J	<0.00151	0.000088 J	<0.0005	<0.0005	**23**	0.004
Benzo(a)pyrene	*0.02*	*0.02*	0.000057 J	<0.00005	0.0038	<0.00381	<0.00762	<0.0189	<0.00151	<0.00002	<0.0002	<0.0002	**7.5**	0.0016
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00005	<0.00005	<0.00005	<0.00619	<0.0124	<0.0307	<0.00245	<0.00003	<0.0003	<0.0003	<0.0018	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00024	0.00069	<0.00055	<0.0176	<0.0352	<0.0873	<0.00698	0.00011 J	<0.00037	<0.00037	<0.0022	0.0023
Chrysene	*91*	*200*	0.00016 J	<0.00005	0.015	0.0207 J	<0.00762	0.0737 J	<0.00151	0.00012	<0.00021	<0.00021	23	0.0042
Dibenzofuran	*9.8*	*29*	0.0018	0.019	0.12	0.2	<0.00762	0.484	0.08	0.0028	0.009	0.03	**160**	0.088
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105	<0.0259	<0.00208	<0.00002	<0.0002	<0.0002	<0.0012	<0.0002
Fluoranthene	*98*	*290*	0.0011	0.0015	0.093	0.167	<0.00667	0.415	0.00456 J	0.0027	0.0038	0.0036	**170**	0.026
Fluorene	*98*	*290*	0.0014	0.019	0.13	0.217	0.049	0.464	0.0633	0.0087	0.018	0.031	**170**	0.07
Naphthalene	*49*	*150*	0.13	0.047	2.3	1.58 J	9.38	6.75	5.57	0.00042	0.0075	2.5	**1200**	4.1
Nitrobenzene	*4.9*	*15*	<0.00005	<0.00005	<0.00005	<0.00524	<0.0105	<0.0259	<0.00208	<0.000024	<0.00024	<0.00024	<0.0014	<0.00024
N-Nitrosodiphenylamine	*19*	*42*	<0.00005	<0.00005	<0.00005	<0.00476	<0.00952	<0.0236	<0.00189	<0.000025	<0.00025	<0.00025	<0.0015	<0.00025
Pentachlorophenol	*0.1*	*0.1*	<0.00005	<0.00005	<0.00005	<0.029	<0.0581	**<0.144**	<0.0115	<0.000079	<0.00079	<0.00079	<0.0047	<0.00079
Phenanthrene	*73*	*220*	0.0025	0.0098	0.35	0.466	0.039 J	1.29	0.0458	0.0073	0.011	0.028	**500**	0.12
Phenol	*730*	*2200*	0.00021	<0.00005	0.0063	<0.0019	<0.00381	0.0445 J	0.0145	<0.000035	<0.00035	<0.00035	<0.0021	0.006
Pyrene	*73*	*220*	0.00066	0.00083	0.062	0.101	<0.0105	0.262	<0.00208	0.0014	0.002	0.0021	**96**	0.014
Metals														
Arsenic	*1*	*1*								0.000564 J	0.000746 J	0.00146 J	0.0107	0.00553

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-49B 01/19/2021	MW-49B 07/26/2021	MW-49B 01/07/2022	MW-49B 07/18/2022	MW-49B 01/31/2023 DNAPL	MW-49B 07/24/2023	MW-54B 03/11/2020	MW-54B 05/22/2020	MW-54B 07/22/2020	MW-54B 01/26/2021	MW-54B 07/22/2021	MW-54B 01/20/2022	MW-54B 07/19/2022
Volatile Organic Compounds															
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.001	<0.001	<0.0002	<0.01	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	0.38	0.47	**0.61**	**0.54**	0.23	0.47	0.00043 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*10*	*10*	<0.0003	<0.0015	<0.0015	<0.0003	<0.015	<0.003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*70*	*70*	0.18	0.2	0.19	0.17	0.084	0.21	0.0011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.5*	*0.5*	<0.001	<0.005	<0.005	<0.001	<0.05	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*100*	*100*	0.44	0.6	0.64	0.55	0.27	0.67	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.2*	*0.2*													
Xylenes (total)	*1000*	*1000*	0.52	0.54	0.51	0.48	0.3	0.61	0.0018	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds															
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00021	<0.00021	<0.00021	<0.0021	<0.00021	<0.0021	<0.000021	<0.000021	<0.000021	<2.1E-05	<2.1E-05	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	0.6	0.091	12	6.4	2.4	2.3	<0.00004	<0.00004	<0.00004	<0.00004	<5.2E-05	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00058	<0.00058	<0.00058	<0.0058	<0.00058	<0.0058	<0.000059	<0.000058	<0.000058	<5.8E-05	<5.8E-05	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00042	<0.00042	<0.00042	<0.0042	<0.00042	<0.0042	<0.000042	<0.000042	<0.000042	<4.2E-05	<4.2E-05	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.00021	<0.00021	<0.00021	<0.0021	<0.00021	<0.0021	<0.000021	<0.000021	<0.000021	<2.1E-05	<2.1E-05	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	0.2	1.5	0.64	0.49	0.52	0.53	0.00011	<0.000019	<0.000019	<1.9E-05	<1.9E-05	<0.000019	<0.000019
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.00047	<0.00047	<0.00047	<0.0047	<0.00047	<0.0047	<0.000047	<0.000047	<0.000047	<4.7E-05	<4.7E-05	<0.000047	<0.000047
Acenaphthene	*150*	*440*	0.22	0.8	0.46	0.36	0.38	0.31	0.0093	<0.000027	0.000079 J	<2.7E-05	<2.7E-05	<0.000027	<0.000027
Acenaphthylene	*150*	*440*	0.005	<0.00015	0.0078	0.008 J	<0.00015	<0.0015	0.000087 J	<0.000015	<0.000015	<1.5E-05	<1.5E-05	<0.000015	<0.000015
Anthracene	*730*	*2200*	0.069	0.39	0.074	0.14	0.18	0.07	0.00017	<0.000014	<0.000014	1.4E-05 J	<1.4E-05	<0.000014	<0.000014
Benzo(a)anthracene	*0.91*	*2*	0.023	0.11	0.01	0.041	0.046	<0.005	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	0.0087	**0.044**	0.0041	0.012	0.014	0.0064 J	<0.00002	<0.00002	<0.00002	2.1E-05 J	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.0003	<0.0003	<0.0003	<0.003	<0.0003	<0.003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00037	<0.00037	0.0013 J	<0.0037	<0.00037	<0.0037	0.000089 J	<0.000037	<0.000037	<8.8E-05	<3.7E-05	<0.000037	<0.000037
Chrysene	*91*	*200*	0.022	0.12	0.009	0.044	0.036	0.014	<0.000021	<0.000021	<0.000021	<2.1E-05	<2.1E-05	<0.000021	<0.000021
Dibenzofuran	*9.8*	*29*	0.21	0.76	0.33	0.33	0.35	0.27	0.000076 J	<0.00002	<0.00002	<0.00004	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*240*	*730*	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.002	0.000033 J	0.0002 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*98*	*290*	0.16	0.81	0.069	0.28	0.3	0.1	0.000022 J	<0.00001	<0.00001	<2.9E-05	<0.00001	<0.00001	<0.00001
Fluorene	*98*	*290*	0.2	0.76	0.26	0.31	0.33	0.22	0.00015	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Naphthalene	*49*	*150*	0.5	13	15	8.9	6.3	5	0.0021	0.00011	<0.00036	<6.3E-05	<0.00029	<0.00002	<0.00002
Nitrobenzene	*4.9*	*15*	<0.00024	<0.00024	<0.00024	<0.0024	<0.00024	<0.0024	<0.000024	<0.000024	<0.000024	<2.4E-05	<2.4E-05	<0.000024	<0.000024
N-Nitrosodiphenylamine	*19*	*42*	<0.00025	<0.00025	<0.00025	<0.0025	<0.00025	<0.0025	<0.000025	<0.000025	<0.000025	<2.5E-05	<2.5E-05	<0.000025	<0.000025
Pentachlorophenol	*0.1*	*0.1*	<0.00079	<0.00079	<0.00079	<0.0079	<0.00079	<0.0079	<0.00008	<0.000079	<0.000079	<7.9E-05	<7.9E-05	<0.000079	<0.000079
Phenanthrene	*73*	*220*	0.44	2.4	0.36	0.8	0.8	0.4	0.0028	<0.000021	0.000052 J	<2.4E-05	<2.1E-05	<0.000021	<0.000021
Phenol	*730*	*2200*	0.0041	<0.00035	0.017	0.023	0.008	<0.0035	<0.000035	<0.000035	<0.000035	<3.5E-05	<3.5E-05	<0.000035	<0.000035
Pyrene	*73*	*220*	0.082	0.5	0.054	0.16	0.18	0.077	<0.000019	<0.000019	<0.000019	6.5E-05 J	<1.9E-05	<0.000019	<0.000019
Metals															
Arsenic	*1*	*1*	0.00324	0.00082 J	0.00368	0.00798	0.00557	0.00901	0.00117 J	0.00147 J	0.00129 J	0.001 J	0.00115 J	0.0016 J	<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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

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

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	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-57B 01/19/2023	MW-57B 07/13/2023	MW-59B 07/15/2010	MW-59B 01/20/2011	MW-59B 07/18/2011	MW-59B 02/06/2012
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.002	<0.001	<0.01	<0.002	<0.001	<0.0002	<0.001	<0.02	<0.0005	<0.0005	<0.001	<0.001
Benzene	*0.5*	*0.5*	**0.52**	**0.71**	**0.63**	0	**0.94**	**1.1**	**0.79**	**1.3**	<0.0005	<0.0005	<0.001	<0.001
Chlorobenzene	*10*	*10*	<0.003	<0.0015	<0.015	<0.003	<0.0015	<0.0003	<0.0015	<0.03	<0.0005	<0.0005	<0.001	<0.001
Ethylbenzene	*70*	*70*	0.25	0.23	0.21	0.33	0.31	0.31	0.28	0.4	<0.0005	<0.0005	<0.0011	<0.0011
Methylene chloride	*0.5*	*0.5*	<0.01	<0.005	<0.05	<0.01	<0.005	<0.001	<0.005	<0.1	<0.0005	<0.0005	<0.0013	<0.0013
Toluene	*100*	*100*	0.64	0.7	0.64	0.1	0.88	1	0.88	1.3	<0.0005	<0.0005	<0.001	<0.001
Vinyl chloride	*0.2*	*0.2*											<0.001	<0.001
Xylenes (total)	*1000*	*1000*	0.7	0.68	0.61	0.91	1	0.87	0.82	1.1	<0.001	<0.001	<0.0031	<0.0031
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.0042	<0.0021	<0.0001	<0.0001	<0.00005	<0.00005
2,4-Dimethylphenol	*49*	*150*	2.8	11	0.9	0.8	3.9	<0.04	3.4	2.4	<0.00008	<0.00008	<0.00005	0.25
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	<0.0058	<0.012	<0.0058	<0.00009	<0.00009	<0.00005	<0.00005
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.0042	<0.0084	<0.0042	<0.00007	<0.00007	<0.00006	<0.00006
2-Chloronaphthalene	*200*	*580*	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.0021	<0.0042	<0.0021	<0.0001	<0.0001	<0.00005	<0.00005
2-Methylnaphthalene	*9.8*	*29*	1.1	0.41	0.12	0.46	0.28	0.61	0.49	0.29	<0.00007	<0.00007	<0.00005	<0.00005
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.004	<0.002	<0.00008	<0.00008	<0.00008	<0.00008
4-Nitrophenol	*4.9*	*15*	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.0047	<0.0094	<0.0047	<0.00007	<0.00007	<0.00005	<0.00005
Acenaphthene	*150*	*440*	0.55	0.061	0.05	0.15	0.08	0.22	0.16	0.13	<0.00009	<0.00009	<0.00005	0.0017
Acenaphthylene	*150*	*440*	0.0086	0.0027	0.0014	0.0038	0.0022	<0.0015	<0.003	<0.0015	<0.00007	<0.00007	<0.00005	0.00014 J
Anthracene	*730*	*2200*	0.19	0.013	0.0047	0.025	0.01	0.023	0.015 J	0.028	<0.00007	<0.00007	<0.00005	0.000054 J
Benzo(a)anthracene	*0.91*	*2*	0.04	0.0007 J	<0.0005	0.0043	0.0008 J	<0.005	<0.01	<0.005	<0.00007	<0.00007	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	0.012	<0.0002	<0.0002	0.0014	<0.0002	<0.002	<0.004	<0.002	<0.00008	<0.00008	<0.00005	<0.00005
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.006	<0.003	<0.00009	<0.00009	<0.00005	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.0037	<0.0074	<0.0037	0.002	<0.00021	<0.00031	0.00068
Chrysene	*91*	*200*	0.042	0.00073 J	<0.00021	0.0039	0.00063 J	<0.0021	<0.0042	0.006 J	<0.00007	<0.00007	<0.00005	<0.00005
Dibenzofuran	*9.8*	*29*	0.49	0.056	0.038	0.15	0.068	0.18	0.14	0.11	<0.00008	<0.00008	<0.00005	<0.00005
Di-n-butylphthalate (DBP)	*240*	*730*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.004	<0.002	<0.00007	<0.00007	<0.00005	<0.00005
Fluoranthene	*98*	*290*	0.34	0.0049	0.0012	0.031	0.0055	0.023	0.0069 J	0.04	<0.00007	<0.00007	<0.00005	<0.00005
Fluorene	*98*	*290*	0.46	0.034	0.024	0.069	0.041	0.11	0.091	0.082	<0.00007	<0.00007	<0.00005	<0.00005
Naphthalene	*49*	*150*	13	22	0.4	0.4	7.1	15	11	5.3	0.00014 J	<0.0001	<0.00005	0.00012 J
Nitrobenzene	*4.9*	*15*	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.0024	<0.0048	<0.0024	<0.00009	<0.00009	<0.00005	<0.00005
N-Nitrosodiphenylamine	*19*	*42*	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.0025	<0.005	<0.0025	<0.00009	<0.00009	<0.00005	<0.00005
Pentachlorophenol	*0.1*	*0.1*	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.0079	<0.016	<0.0079	<0.00008	<0.00008	<0.00005	0.00011 J
Phenanthrene	*73*	*220*	1.1	0.042	0.019	0.14	0.033	0.13	0.07	0.14	<0.00007	<0.00007	<0.00005	0.00025
Phenol	*730*	*2200*	0.32	0.71	0.25	0.2	0.47	0.5	0.2	0.16	0.0002	<0.00007	<0.00005	0.00033
Pyrene	*73*	*220*	0.21	0.0027	0.00088 J	0.019	0.0032	0.011	<0.0038	0.026	<0.00007	<0.00007	<0.00005	0.000062 J
Metals														
Arsenic	*1*	*1*	0.00404	0.00241	0.00206	0.00329	0.0028	0.00142 J	0.00351	0.00416				

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-59B 07/27/2012	MW-59B 01/31/2013	MW-59B 08/01/2013	MW-59B 01/16/2014	MW-59B 07/30/2014	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
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	<0.0005	<0.00008	0.0000981 J	<0.0002	<0.00008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*10*	*10*	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*70*	*70*	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.5*	*0.5*	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*100*	*100*	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.18	<0.0002
Vinyl chloride	*0.2*	*0.2*	<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)	*1000*	*1000*	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00005	<0.000104	<0.000105	<0.000104	R	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	<0.00005	<0.000292	<0.000295	<0.000292	R	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00019 J
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00005	<0.000123	<0.000124	<0.000123	R	<0.000058	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00006	<0.0000755	<0.0000762	<0.0000755	R	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.00005	<0.0000755	<0.0000762	<0.0000755	R	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	<0.00005	<0.000066	<0.0000667	<0.000066	R	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000038	<0.000019
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00008	<0.000783	<0.00079	<0.000783	R	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.00005	<0.000528	<0.000533	<0.000528	R	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*150*	*440*	<0.00005	<0.0000755	<0.0000762	<0.0000755	0.000621U	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000051	<0.000027
Acenaphthylene	*150*	*440*	<0.00005	<0.0000566	<0.0000571	<0.0000566	R	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	*730*	*2200*	<0.00005	<0.0000472	<0.0000476	<0.0000472	R	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000031	<0.000014
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.0000755	<0.0000762	<0.0000755	R	<0.00005	<0.000051	<0.000051	<0.00005	<0.00005	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	<0.00005	<0.0000755	<0.0000762	<0.0000755	R	<0.00002	<0.00002	<0.00002	0.000033 J	<0.00002	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00005	<0.000123	<0.000124	<0.000123	R	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.00018 J	<0.000349	<0.000352	<0.000349	R	0.000058 J	<0.000037	<0.000037	<0.000056	<0.00039	<0.000037	0.00011 J
Chrysene	*91*	*200*	<0.00005	<0.0000755	<0.0000762	<0.0000755	R	<0.000021	<0.000021	<0.000021	0.000036 J	<0.000021	<0.000021	<0.000021
Dibenzofuran	*9.8*	*29*	<0.00005	<0.0000755	<0.0000762	<0.0000755	0.000201U	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00005	<0.00002
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00005	<0.000104	0.000115 J	0.000105 J	R	<0.00002	<0.00002	<0.00002	<0.00002	0.000055 J	<0.00002	<0.00002
Fluoranthene	*98*	*290*	<0.00005	<0.000066	<0.0000667	<0.000066	R	<0.00001	<0.00001	<0.00001	0.000051 J	<0.00001	<0.000025	0.000071 J
Fluorene	*98*	*290*	<0.00005	<0.000066	<0.0000667	<0.000066	0.000189U	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.000042	<0.00003
Naphthalene	*49*	*150*	0.00006 J	<0.000269	<0.000166	<0.000172	0.00627U	<0.00002	<0.00002	<0.00002	0.000072 J	<0.00015	<0.00024	0.0002
Nitrobenzene	*4.9*	*15*	<0.00005	<0.000104	<0.000105	<0.000104	R	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*19*	*42*	<0.00005	<0.0000943	<0.0000952	<0.0000943	R	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.1*	*0.1*	<0.00005	<0.000575	<0.000581	<0.000575	R	<0.000079	<0.00008	<0.00008	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*73*	*220*	<0.00005	<0.0000566	<0.0000571	<0.000112	R	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000099	0.00012
Phenol	*730*	*2200*	<0.00005	<0.0000377	<0.0000381	<0.0000377	R	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000087 J
Pyrene	*73*	*220*	<0.00005	<0.000104	<0.000105	<0.000104	R	<0.000019	<0.000019	<0.000019	0.000053 J	<0.000019	<0.000021	0.000051 J
Metals														
Arsenic	*1*	*1*						<0.0004	<0.0004	<0.0004	0.000983 J	0.000542 J	0.000486 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-59B 01/26/2021	MW-59B 07/19/2021	MW-59B 01/12/2022	MW-59B 07/18/2022	MW-59B 01/31/2023	MW-59B 07/14/2023	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
Volatile Organic Compounds															
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*70*	*70*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*100*	*100*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.2*	*0.2*													
Xylenes (total)	*1000*	*1000*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
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	<2.1E-05	<2.1E-05	<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	<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	<5.8E-05	<5.8E-05	<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	<4.2E-05	<4.2E-05	<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	<2.1E-05	<2.1E-05	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.000022 J	<1.9E-05	8.9E-05 J	<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	<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	<4.7E-05	<4.7E-05	<0.000047	<0.000047
Acenaphthene	*150*	*440*	<0.00014	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.000042 J	<2.7E-05	6.2E-05 J	<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	<1.5E-05	<1.5E-05	<0.000015	<0.000015
Anthracene	*730*	*2200*	0.000019 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<1.4E-05	<1.4E-05	<0.000014	<0.000014
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	<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	<0.00002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00011	<0.000037	<0.000037	<0.000049	<0.000037	<0.000037	0.00092	0.000089 J	0.000065 J	0.00071	0.00014 J	<0.000068	<0.000037
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<2.1E-05	<2.1E-05	<0.000021	<0.000021
Dibenzofuran	*9.8*	*29*	<0.00006	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000023 J	<0.00002	<0.00002	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*240*	*730*	<0.000026	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000047 J	0.000099 J	0.000021 J	<3.2E-05	<0.00002	<0.00002	<0.00002
Fluoranthene	*98*	*290*	<0.000034	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000015 J	<0.00001	<0.00001	1.5E-05 J	6.9E-05 J	1.7E-05 J	<0.00001
Fluorene	*98*	*290*	<0.00008	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	7.5E-05 J	<0.00003	<0.00003
Naphthalene	*49*	*150*	<0.00002	0.000049 J	<0.00013	0.000048 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00012	3.7E-05 J	0.0007	0.00013	<0.00002
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<2.4E-05	<2.4E-05	<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	<2.5E-05	<2.5E-05	<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	<7.9E-05	<7.9E-05	<0.000079	<0.000079
Phenanthrene	*73*	*220*	<0.00013	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	8.5E-05 J	7.7E-05 J	3.8E-05 J	<0.000021
Phenol	*730*	*2200*	0.000075 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<3.5E-05	<3.5E-05	<0.000035	<0.000035
Pyrene	*73*	*220*	<0.000019	0.000024 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<1.9E-05	0.00008 J	<0.000019	<0.000019
Metals															
Arsenic	*1*	*1*	0.000955 J	0.00095 J	0.0014 J	0.0147	0.000998 J	0.00106 J	0.00234	0.00222	0.00932	0.00615	<0.00081	0.00071 J	0.00387

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-60B 01/12/2023	MW-60B 07/17/2023	MW61B 03/17/2020	MW-61B 06/01/2020	MW-61B 07/20/2020	MW-61B 01/27/2021	MW-61B 07/19/2021	MW-61B 01/12/2022	MW-61B 07/22/2022	MW-61B 01/25/2023	MW-61B 07/13/2023	MW-63B 01/13/2010	MW-63B 06/30/2010
Volatile Organic Compounds															
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	0.0041	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<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	0.21	0.015
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	<0.0005	<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	0.2	0.072
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	<0.0005	<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	0.015	0.0016 J
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	0.082	0.02
Semivolatile Organic Compounds															
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<2.1E-05	<2.1E-05	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.0004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00008	<0.00008
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.00058	<0.000058	<0.000058	<0.000058	<5.8E-05	<5.8E-05	<0.000058	<0.000058	<0.000058	<0.000058	<0.00009	<0.00009
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<4.2E-05	<4.2E-05	<0.000042	<0.000042	<0.000042	<0.000042	<0.00007	<0.00007
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<2.1E-05	<2.1E-05	<0.000021	<0.000021	<0.000021	<0.000021	<0.0001	<0.0001
2-Methylnaphthalene	*9.8*	*29*	<0.000019	<0.00019	<0.000019	<0.000019	<0.000019	<1.9E-05	<1.9E-05	<0.000019	<0.000019	<0.000019	<0.000019	0.11	0.031
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<4.7E-05	<4.7E-05	<0.000047	<0.000047	<0.000047	<0.000047	<0.00007	<0.00007
Acenaphthene	*150*	*440*	<0.000027	<0.00027	<0.000027	<0.000027	<0.000027	<2.7E-05	<2.7E-05	<0.000027	<0.000027	<0.000027	<0.000027	0.028	0.013
Acenaphthylene	*150*	*440*	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<1.5E-05	<1.5E-05	<0.000015	<0.000015	<0.000015	<0.000015	0.00051	0.00018 J
Anthracene	*730*	*2200*	<0.000014	<0.00014	<0.000014	0.000014 J	<0.000014	<1.4E-05	<1.4E-05	<0.000014	<0.000014	<0.000014	<0.000014	0.00068	0.00039
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.0005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00007	<0.00007
Benzo(a)pyrene	*0.02*	*0.02*	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00008	<0.00008
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00009	<0.00009
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.000065 J	<0.00037	0.00015 J	0.000062 J	<0.000037	<0.00015	<3.7E-05	<0.000037	<0.000037	<0.000037	<0.000037	<0.00036	<0.00036
Chrysene	*91*	*200*	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<2.1E-05	<2.1E-05	<0.000021	<0.000021	<0.000021	<0.000021	<0.00007	<0.00007
Dibenzofuran	*9.8*	*29*	<0.00002	<0.0002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.022	0.008
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.0002	<0.00002	0.00012 J	0.000024 J	7.3E-05 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00019 J	<0.00007
Fluoranthene	*98*	*290*	<0.00001	<0.0001	<0.00001	<0.00001	0.000024 J	<0.00001	<0.00001	<0.00001	0.000025 J	<0.00001	<0.00001	<0.00007	<0.00007
Fluorene	*98*	*290*	<0.00003	<0.0003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.0078	0.0041
Naphthalene	*49*	*150*	<0.00002	<0.0002	<0.00002	<0.00002	<0.000032	<0.00012	<0.00002	<0.00011	<0.000068	0.000043 J	<0.00002	3.1	0.67
Nitrobenzene	*4.9*	*15*	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<2.4E-05	<2.4E-05	<0.000024	<0.000024	<0.000024	<0.000024	<0.00009	<0.00009
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<2.5E-05	<2.5E-05	<0.000025	<0.000025	<0.000025	<0.000025	<0.00009	<0.00009
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079	<7.9E-05	<7.9E-05	<0.000079	<0.000079	<0.000079	<0.000079	<0.00008	<0.00008
Phenanthrene	*73*	*220*	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<2.1E-05	<2.1E-05	6.5E-05 J	<0.000029	<0.000021	<0.000021	0.0034	0.00076
Phenol	*730*	*2200*	<0.000035	<0.00035	<0.000035	<0.000035	<0.000035	<3.5E-05	<3.5E-05	<0.000035	<0.000035	<0.000035	<0.000035	<0.00007	<0.00007
Pyrene	*73*	*220*	<0.000019	<0.00019	<0.000019	<0.000019	<0.000019	<1.9E-05	<1.9E-05	<0.000019	0.000025 J	<0.000019	<0.000019	<0.00007	<0.00007
Metals															
Arsenic	*1*	*1*	0.00554	0.00121 J	0.00461	0.0104	0.00691	0.00672	0.00095 J	0.00302	<0.0004	0.000718 J	0.000753 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-63B 01/27/2011	MW-63B 07/19/2011	MW-63B 07/19/2011 Duplicate	MW-63B 02/09/2012	MW-63B 02/09/2012 Duplicate	MW-63B 07/18/2012	MW-63B 07/18/2012 Duplicate	MW-63B 02/07/2013	MW-63B 02/07/2013 Duplicate	MW-63B 08/07/2013	MW-63B 01/22/2014	MW-63B 07/24/2014
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00014	<0.00014	<0.00014	<0.0002	<0.00014
Benzene	*0.5*	*0.5*	0.019	0.019	0.024	<0.001	<0.001	0.0015 J	0.0016 J	0.00952	0.00919	0.0869	0.0762	0.108
Chlorobenzene	*10*	*10*	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.00012	<0.00012	<0.00012	<0.00018	0.000216 J
Ethylbenzene	*70*	*70*	0.071	0.04	0.045	0.0012 J	0.0012 J	0.0014 J	0.0014 J	0.0165	0.0163	0.0341	0.0418	0.151
Methylene chloride	*0.5*	*0.5*	<0.0005	<0.0013	<0.0013	<0.0013	<0.0013	<0.001	<0.001	<0.00015	<0.00015	<0.00015	<0.00022	<0.00015
Toluene	*100*	*100*	0.0018 J	0.0017 J	0.0019 J	<0.001	<0.001	0.0038 J	0.0038 J	0.00241	0.00231	<0.000434	0.000399 J	0.00257
Vinyl chloride	*0.2*	*0.2*												<0.00011
Xylenes (total)	*1000*	*1000*	0.016	0.013 J	0.014 J	<0.0031	<0.0031	<0.0015	<0.0015	0.00629	0.00635	0.0113	0.0156	0.0535
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00524	<0.000105	<0.000104	<0.00109	<0.0011
2,4-Dimethylphenol	*49*	*150*	<0.00008	0.000056 J	<0.00005	0.00005 J	0.00044 J	<0.00005	<0.00005	<0.0148	<0.000295	<0.000292	<0.00307	<0.0031
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00619	<0.000124	<0.000123	<0.00129	<0.0013
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00007	<0.00006	<0.00006	<0.00006	<0.00006	<0.00006	<0.00006	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008
2-Chloronaphthalene	*200*	*580*	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008
2-Methylnaphthalene	*9.8*	*29*	0.025	0.014	0.013	0.0029	0.0029	0.0034	0.0032	0.0104 J	0.00865	0.00242	0.00756	0.0302
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.0395	<0.00079	<0.000783	<0.00822	<0.0083
4-Nitrophenol	*4.9*	*15*	<0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0267	<0.000533	<0.000528	<0.00554	<0.0056
Acenaphthene	*150*	*440*	0.017	0.0053	0.0066	0.002	0.0019	0.0023	0.0022	0.00952 J	0.0065	0.000833	0.00274 J	0.00754
Acenaphthylene	*150*	*440*	<0.00007	0.000066 J	0.00011 J	0.00012 J	0.00016 J	<0.00005	<0.00005	<0.00286	<0.0000571	<0.0000566	<0.000594	<0.0006
Anthracene	*730*	*2200*	0.0011	0.00011 J	0.0002 J	0.00015 J	0.00015 J	<0.00013	<0.00011	0.00238 J	0.000124 J	<0.0000472	<0.000495	<0.0005
Benzo(a)anthracene	*0.91*	*2*	0.00087	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008
Benzo(a)pyrene	*0.02*	*0.02*	0.00027	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00619	<0.000124	<0.000123	<0.00129	<0.0013
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.0006	<0.00051	<0.00029	0.00096	0.00073	0.00096 J	0.00051 J	<0.0176	<0.000376	0.000381 J	<0.00366	<0.0037
Chrysene	*91*	*200*	0.00079	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00381	<0.0000762	<0.0000755	<0.000792	<0.0008
Dibenzofuran	*9.8*	*29*	0.013	0.0041	0.0049	0.0024	0.0019	0.0026	0.0023	0.00576 J	0.00514	0.00104	0.002 J	0.00663
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00007	<0.00005	<0.00005	0.00014 J	0.00005 J	<0.00005	<0.00005	0.00524 J	0.000127 J	<0.000104	<0.00109	<0.0011
Fluoranthene	*98*	*290*	0.0042	<0.00005	<0.00005	0.000091 J	0.00005 J	<0.00013	<0.00013	<0.00333	<0.0000667	<0.000066	<0.000693	<0.0007
Fluorene	*98*	*290*	0.0054	0.0019	0.0024	0.00093	0.00078	0.0011	0.001	<0.00333	0.00208	0.000349 J	0.00102 J	0.00248 J
Naphthalene	*49*	*150*	0.76	0.36 J	0.49 J	0.027	0.026	0.044	0.04	0.251	0.162 J	0.146	0.374	1.69
Nitrobenzene	*4.9*	*15*	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00524	<0.000105	<0.000104	<0.00109	<0.0011
N-Nitrosodiphenylamine	*19*	*42*	<0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00476	<0.0000952	<0.0000943	<0.00099	<0.001
Pentachlorophenol	*0.1*	*0.1*	<0.00008	<0.00005	<0.00005	0.00018 J	0.00005 J	<0.00005	<0.00005	<0.029	<0.000581	<0.000575	<0.00604	<0.0061
Phenanthrene	*73*	*220*	0.0044	0.00075	0.00098	0.00072 J	0.0005 J	<0.001	<0.001	0.00286 J	0.000776 J	<0.0000566	0.00133 J	<0.0006
Phenol	*730*	*2200*	<0.00007	<0.00005	<0.00005	0.00057 J	0.00095 J	<0.00005	<0.00005	<0.0019	<0.0000381	<0.0000377	0.000889 J	<0.0004
Pyrene	*73*	*220*	0.0029	<0.00005	<0.00005	0.000063 J	<0.00005	<0.00005	<0.00005	<0.00524	<0.000105	<0.000104	<0.00109	<0.0011
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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	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	MW-63B 01/16/2020	MW-63B 07/23/2020	MW-63B 01/19/2021	MW-63B 07/14/2021	MW-63B 01/14/2022	MW-63B 07/21/2022	MW-63B 01/10/2023
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	<0.001	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	0.0033	0.0026	0.048	0.35	0.11	0.018	0.1	0.0036	0.041	0.21	0.069	0.23
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.0003	0.00073 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015	<0.0003	<0.0003
Ethylbenzene	*70*	*70*	0.012	0.0059	0.048	0.48	0.14	0.051	0.14	0.002	0.0063	0.0061	0.0043	0.0097
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
Toluene	*100*	*100*	<0.0002	<0.0002	0.00093 J	0.0071	0.00071 J	<0.0002	0.0073	0.00051 J	0.00068 J	0.0021 J	0.0014	0.0028
Vinyl chloride	*0.2*	*0.2*												
Xylenes (total)	*1000*	*1000*	0.0048	0.0016	0.011	0.11	0.041	0.013	0.04	0.0036	0.012	0.018	0.02	0.011
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<2.1E-05	<2.1E-05	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	<0.0004	<0.0004	<0.00004	<0.00004	<0.00004	6.8E-05 J	0.0005	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.00058	<0.00059	<0.000058	<0.000058	<0.000058	<5.8E-05	<5.8E-05	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.00042	<0.00042	<0.000042	<0.000042	<0.000042	<4.2E-05	<4.2E-05	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<2.1E-05	<2.1E-05	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	0.000059 J	<0.000019	0.0016	0.042	0.037	<0.000056	0.006 J	<0.00033	0.029	0.0099	0.025	0.043
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.00002	<0.0002	<0.0002	<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	<0.00047	<0.00047	<0.000047	<0.000047	<0.000047	<4.7E-05	<4.7E-05	<0.000047	<0.000047	<0.000047
Acenaphthene	*150*	*440*	0.00066	<0.000027	0.0027	<0.00027	0.012	<0.000059	0.0028 J	<0.0013	0.01	0.0054	0.0063	0.0096
Acenaphthylene	*150*	*440*	<0.000015	<0.000015	<0.00015	0.0029	0.00016	0.000032 J	<0.000015	<1.5E-05	9.7E-05 J	5.8E-05 J	0.00008 J	0.00011
Anthracene	*730*	*2200*	0.00011	0.00022	<0.00014	0.00017 J	0.00034	<0.000081	0.000072 J	<1.4E-05	0.00021	0.00078	0.00017	0.00024
Benzo(a)anthracene	*0.91*	*2*	<0.00005	<0.00005	<0.0005	<0.00051	<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	<0.0002	<0.0002	<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	<0.0003	<0.0003	<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	<0.00037	<0.00037	<0.000037	0.000065 J	<0.000037	0.00005 J	7.1E-05 J	<0.000037	<0.000037	<0.000037
Chrysene	*91*	*200*	<0.000021	<0.000021	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<2.1E-05	<2.1E-05	4.2E-05 J	<0.000021	<0.000021
Dibenzofuran	*9.8*	*29*	0.00065	<0.00002	0.002	0.0087	0.011	<0.000063	0.0021 J	<0.00084	0.0091	0.0041	0.0056	0.0088
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.00002	<0.0002	<0.0002	<0.00002	0.000034 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Fluoranthene	*98*	*290*	0.0001	<0.00001	<0.0001	<0.0001	<0.00001	<0.000023	<0.00001	<0.00001	<0.00001	0.00047	<0.00001	<0.00001
Fluorene	*98*	*290*	0.00033	<0.00003	0.00099 J	0.0029	0.0037	<0.00012	0.00091 J	<0.00026	0.0035	0.0021	0.002	0.0032
Naphthalene	*49*	*150*	<0.00066	<0.00002	0.29	2.1	1.5	<0.00035	0.29 J	<0.00018	0.91	0.49	0.9	2.1
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.00024	<0.00024	<0.000024	<0.000024	<0.000024	<2.4E-05	<2.4E-05	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.00025	<0.00025	<0.000025	<0.000025	<0.000025	<2.5E-05	<2.5E-05	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.00079	<0.0008	<0.000079	<0.000079	<0.000079	<7.9E-05	<7.9E-05	<0.000079	<0.000079	<0.000079
Phenanthrene	*73*	*220*	<0.000075	<0.000021	<0.00021	0.00094 J	0.0013	<0.000072	0.00036 J	<2.1E-05	0.0016	0.0019	0.00087	0.0012
Phenol	*730*	*2200*	<0.000035	<0.000035	<0.00035	<0.00035	<0.000035	<0.000035	<0.000035	0.00015 J	<3.5E-05	0.00029	<0.000035	<0.000035
Pyrene	*73*	*220*	<0.000019	<0.000019	<0.00019	<0.00019	<0.000019	<0.000021	<0.000019	<1.9E-05	<1.9E-05	0.00027	<0.000019	<0.000019
Metals														
Arsenic	*1*	*1*	0.00114 J	0.00211	0.000818 J	0.00338	0.00156 J	0.00204	<0.0004	0.00337	<0.0004	0.00066 J	0.00985	0.00133 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-63B 07/19/2023	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	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
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	0.24	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00008	<0.00008	<0.0002	<0.00008	<0.0002	<0.0002
Chlorobenzene	*10*	*10*	<0.0003	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003
Ethylbenzene	*70*	*70*	0.013	0.0015 J	<0.0005	<0.0011	<0.0011	<0.0005	<0.00011	<0.00011	<0.00019	<0.00011	<0.0003	<0.0003
Methylene chloride	*0.5*	*0.5*	<0.001	<0.0005	<0.0005	<0.0013	<0.0013	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001
Toluene	*100*	*100*	0.0046	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.00015	<0.00015	<0.00017	<0.00015	<0.0002	<0.0002
Vinyl chloride	*0.2*	*0.2*								<0.00011		<0.00011		
Xylenes (total)	*1000*	*1000*	0.013	0.0012 J	<0.001	<0.0031	<0.0031	<0.0015	<0.00026	<0.00026	<0.00058	<0.00026	<0.0003	<0.0003
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000106	<0.000106	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	0.0071	<0.00008	<0.00008	<0.00005	0.0005 J	<0.00005	<0.000295	<0.000292	<0.000298	<0.000298	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00058	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.000124	<0.000123	<0.000125	<0.000125	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00042	<0.00007	<0.00007	<0.00006	<0.00006	0.0022 J	<0.0000762	<0.0000755	<0.0000769	<0.0000769	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.00021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000769	<0.0000769	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	0.019	<0.00007	0.00007 J	<0.00005	0.00023 J	0.000062 J	<0.0000667	<0.000066	<0.0000673	<0.0000673	<0.000031	<0.000019
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.0002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	R	<0.000783	<0.000798	<0.000798	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.00047	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000533	<0.000528	<0.000538	<0.000538	<0.000047	<0.000047
Acenaphthene	*150*	*440*	0.0049	0.00011 J	<0.00009	<0.00005	0.00012 J	<0.00005	<0.0000762	<0.0000755	<0.0000769	<0.0000769	<0.000027	<0.000027
Acenaphthylene	*150*	*440*	<0.00015	<0.00007	0.00007 J	<0.00005	<0.00005	<0.00005	<0.0000571	<0.0000566	<0.0000577	<0.0000577	<0.000015	<0.000015
Anthracene	*730*	*2200*	0.00021 J	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000476	<0.0000472	<0.000424	<0.0000481	<0.000014	<0.000014
Benzo(a)anthracene	*0.91*	*2*	<0.0005	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000769	<0.0000769	<0.00005	<0.00005
Benzo(a)pyrene	*0.02*	*0.02*	<0.0002	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000769	<0.0000769	<0.00002	<0.00002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.0003	<0.00009	0.00009 J	<0.00005	<0.00005	<0.00005	<0.000124	<0.000123	<0.000125	<0.000125	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00037	0.0016	0.0022 J	<0.00094	0.00042	0.00012 J	<0.000352	<0.000349	<0.000356	0.00184	<0.000056	<0.000037
Chrysene	*91*	*200*	<0.00021	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000762	<0.0000755	<0.0000769	<0.0000769	<0.000021	<0.000021
Dibenzofuran	*9.8*	*29*	0.0049	<0.00008	0.00008 J	<0.00005	0.00013 J	<0.00005	<0.0000762	<0.0000755	<0.0000769	<0.0000769	<0.00002	<0.00002
Di-n-butylphthalate (DBP)	*240*	*730*	<0.0002	<0.00007	0.000083 J	<0.00005	<0.00005	<0.00005	<0.000105	0.000119 J	<0.000834	<0.000106	<0.00002	<0.00002
Fluoranthene	*98*	*290*	<0.0001	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.0000667	<0.000066	<0.0000673	<0.0000673	<0.00001	<0.00001
Fluorene	*98*	*290*	0.0018	<0.00007	<0.00007	<0.00005	0.0001 J	<0.00005	<0.0000667	<0.000066	<0.0000673	<0.0000673	<0.00003	<0.00003
Naphthalene	*49*	*150*	0.8	<0.0001	0.00062	<0.00005	0.0019	0.00049	<0.0000762	0.000433 J	<0.000711	0.000275 J	<0.00045	0.00013
Nitrobenzene	*4.9*	*15*	<0.00024	<0.00009	0.00009 J	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000106	<0.000106	<0.000024	<0.000024
N-Nitrosodiphenylamine	*19*	*42*	0.0016 J	<0.00009	<0.00009	<0.00005	<0.00005	<0.00005	<0.0000952	<0.0000943	<0.0000962	<0.0000962	<0.000025	<0.000025
Pentachlorophenol	*0.1*	*0.1*	<0.00079	<0.00008	<0.00008	<0.00005	<0.00005	<0.00005	0.000581 J	<0.000575	<0.000587	<0.000587	<0.000079	<0.000079
Phenanthrene	*73*	*220*	0.00058 J	<0.00007	<0.00007	<0.00005	0.00011 J	<0.00005	<0.0000571	<0.0000566	<0.000377	<0.0000577	<0.000021	<0.000021
Phenol	*730*	*2200*	<0.00035	<0.00007	<0.00007	<0.00005	0.000089 J	<0.00005	<0.0000381	<0.0000377	<0.0000385	<0.0000385	0.00018 J	<0.000035
Pyrene	*73*	*220*	<0.00019	<0.00007	<0.00007	<0.00005	<0.00005	<0.00005	<0.000105	<0.000104	<0.000106	<0.000106	<0.000019	<0.000019
Metals														
Arsenic	*1*	*1*	0.00224										0.000751 J	0.000565 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-67B 06/06/2018	MW-67B 01/24/2019	MW-67B 07/31/2019	MW-67B 01/15/2020	MW-67B 07/22/2020	MW-67B 01/20/2021	MW-67B 07/20/2021	MW-67B 01/21/2022	MW-67B 07/27/2022	MW-67B 02/02/2023	MW-67B 07/24/2023	MW-70B 07/17/2012 DNAPL
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	<0.0025
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	0.21
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	<0.0025
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	0.058
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	<0.005
Toluene	*100*	*100*	<0.0002	<0.0002	<0.0002	<0.0002	<0.00036	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.22
Vinyl chloride	*0.2*	*0.2*					<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	0.19
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	<0.0005
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	2.6
2,4-Dinitrotoluene	*0.13*	*0.3*	0.000058 J	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.0005
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	<0.0006
2-Chloronaphthalene	*200*	*580*	0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0005
2-Methylnaphthalene	*9.8*	*29*	0.000061 J	<0.000019	<0.000019	<0.000019	0.00012	0.000035 J	<0.000019	<0.000019	0.00004 J	<0.000019	<0.000019	0.94
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	<0.0008
4-Nitrophenol	*4.9*	*15*	0.000047 J	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.0005
Acenaphthene	*150*	*440*	0.000027 J	<0.000027	<0.000027	<0.000027	0.00005 J	0.000058 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027	0.91
Acenaphthylene	*150*	*440*	0.000015 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.011
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	0.096
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	0.016
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	0.0041
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	0.00003 J	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003 JL	<0.0005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00056	0.000051 J	<0.000037	0.00009 J	0.0003	<0.00021	0.000053 J	<0.000037	<0.000037	<0.000037	<0.000037	0.0068
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	0.013
Dibenzofuran	*9.8*	*29*	0.000069 J	<0.00002	<0.00002	<0.00002	<0.00002	<0.00003	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.69
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00002	<0.00002	<0.00002	<0.00002	0.000054 J	0.00025	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0005
Fluoranthene	*98*	*290*	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.28
Fluorene	*98*	*290*	0.00003 J	<0.00003	<0.00003	<0.00003	<0.00003	0.000033 J	<0.00003	<0.00003	0.000044 J	<0.00003	<0.00003	0.66
Naphthalene	*49*	*150*	0.00047 J	<0.00002	0.000079 J	<0.00002	0.00064	0.00074	0.000057 J	<0.00002	0.00013	<0.00002	0.000058 J	5.3
Nitrobenzene	*4.9*	*15*	0.000024 J	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024 JL	<0.0005
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	<0.0005
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	<0.0005
Phenanthrene	*73*	*220*	<0.000021	<0.000021	<0.000021	<0.000021	0.000053 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	0.93
Phenol	*730*	*2200*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000095 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.077
Pyrene	*73*	*220*	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	0.094
Metals														
Arsenic	*1*	*1*	0.000416 J	<0.0004	0.000494 J	0.000467 J	<0.0004	0.000818 J	<0.0004	<0.0004	0.000814 J	<0.0004	0.00106 J	

Notes:

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

TABLE 3
ANALYTICAL RESULTS SUMMARY (2008 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-70B 02/07/2013 DNAPL	MW-70B 01/22/2014 DNAPL	MW-70B 07/28/2014 DNAPL	MW-70B 01/20/2020 DNAPL	MW-70B 07/23/2020	MW-70B 01/27/2021	MW-70B 07/21/2021	MW-70B 01/13/2022	MW-70B 07/21/2022	MW-70B 02/01/2023	MW-70B 07/20/2023	MW-71B 02/08/2012
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.007	<0.0002	<0.0014	<0.01	<0.002	<0.002	<0.002	<0.001	<0.01	<0.005	<0.0002	<0.001
Benzene	*0.5*	*0.5*	**2.01**	**2.39**	**2.55**	**1.9**	**1.5**	0.1	**0.6**	**1.9**	**2.3**	**1.8**	**2**	0.012
Chlorobenzene	*10*	*10*	0.0317 J	0.000715	<0.0012	<0.015	<0.003	<0.003	<0.003	<0.0015	<0.015	<0.0075	<0.0003	<0.001
Ethylbenzene	*70*	*70*	0.524	0.621	0.742	0.57	0.75	0.58	0.54	0.7	0.75	0.42	0.39	0.0045 J
Methylene chloride	*0.5*	*0.5*	<0.0075	<0.00022	<0.0015	<0.05	<0.01	<0.01	<0.01	<0.005	<0.05	<0.025	<0.001	<0.0013
Toluene	*100*	*100*	1.65	2.31	2.76	2.1	2.3	0.7	0.6	2	2.4	1.7	1.9	0.0077
Vinyl chloride	*0.2*	*0.2*				<0.01								
Xylenes (total)	*1000*	*1000*	1.51	1.68	2.11	1.5	2.1	0.6	0.5	2	2.1	1.1	1	0.016
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.075	<0.0157	<0.0107	<0.00042	<0.0021	<0.00021	<0.00021	<0.0021	<0.01	<0.021	<0.0021	<0.00005
2,4-Dimethylphenol	*49*	*150*	<2.11	**72**	**50.8**	49	16 J	0.1	1	8.5	39	22	13	0.0034
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.0886	<0.0186	<0.0126	<0.0012	<0.0058	<0.00058	<0.00058	<0.0058	<0.029	<0.058	<0.0058	<0.00005
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.0545	<0.0114	<0.00777	<0.00084	<0.0042	<0.00042	<0.00042	<0.0042	<0.021	<0.042	<0.0042	<0.00006
2-Chloronaphthalene	*200*	*580*	<0.0545	<0.0114	<0.00777	<0.00042	<0.0021	<0.00021	<0.00021	<0.0021	<0.01	<0.021	<0.0021	<0.00005
2-Methylnaphthalene	*9.8*	*29*	1.21	1.4	1.31	**10**	2 J	0.22	0.71	4.8	**140**	0.77	0.84	0.0076
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	**<0.566**	<0.119	<0.0806	<0.0004	<0.002	<0.0002	<0.0002	<0.002	<0.01	<0.02	<0.002	<0.00008
4-Nitrophenol	*4.9*	*15*	<0.382	<0.08	<0.0544	<0.00094	<0.0047	<0.00047	<0.00047	<0.0047	<0.024	<0.047	<0.0047	<0.00005
Acenaphthene	*150*	*440*	0.515	0.454	0.374	7.1	0.58 J	0.13	0.23	2.6	78	0.27	0.38	0.0039
Acenaphthylene	*150*	*440*	0.0424 J	<0.00857	0.0114 J	0.079	0.017 J	0.0044	<0.00015	0.047	0.98	0.015	<0.0015	0.00019 J
Anthracene	*730*	*2200*	0.051 J	0.0423 J	0.0387 J	5.8	0.27 J	0.038	0.054	1.3	39	0.064 J	0.16	0.00056
Benzo(a)anthracene	*0.91*	*2*	<0.0545	<0.0114	<0.00777	0.52	0.054 J	0.0046	0.0051	0.17	**6.4**	<0.05	0.025	0.000081 J
Benzo(a)pyrene	*0.02*	*0.02*	**<0.0545**	<0.0114	<0.00777	**0.13**	0.019 J	0.0016	0.0018	**0.039**	**1.6**	<0.02	0.0066 J	0.00012 J
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	**<0.0886**	<0.0186	<0.0126	<0.0006	<0.003	<0.0003	<0.0003	<0.003	<0.015	<0.03	<0.003	<0.00005
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.252	<0.0529	<0.0359	0.0039 J	<0.0037	<0.00037	<0.00037	<0.0037	<0.018	<0.037	<0.0037	<0.0013
Chrysene	*91*	*200*	<0.0545	<0.0114	<0.00777	0.63	0.044 J	0.0038	0.005	0.21	7.1	<0.021	0.023	0.000089 J
Dibenzofuran	*9.8*	*29*	0.345	0.355	0.278	6.2	0.57 J	0.12	0.22	2.5	**76**	0.27	0.35	0.0031
Di-n-butylphthalate (DBP)	*240*	*730*	<0.075	<0.0157	<0.0107	<0.0004	<0.002	<0.0002	<0.0002	<0.002	<0.01	<0.02	<0.002	<0.00005
Fluoranthene	*98*	*290*	<0.0477	0.0105 J	0.013 J	4.7	0.39 J	0.036	0.048	1.9	55	0.039 J	0.21	0.00053
Fluorene	*98*	*290*	0.211 J	0.217	0.186	6.7	0.52 J	0.092	0.16	2.3	70	0.16	0.32	0.002
Naphthalene	*49*	*150*	17.3 J	30.1	18.1	**71**	15 J	0.9	5	22	**590**	17	9.1	0.051
Nitrobenzene	*4.9*	*15*	<0.075	<0.0157	<0.0107	<0.00048	<0.0024	<0.00024	<0.00024	<0.0024	<0.012	<0.024	<0.0024	<0.00005
N-Nitrosodiphenylamine	*19*	*42*	<0.0682	<0.0143	<0.00971	<0.0005	<0.0025	<0.00025	<0.00025	<0.0025	<0.012	<0.025	<0.0025	<0.00005
Pentachlorophenol	*0.1*	*0.1*	**<0.416**	<0.0871	<0.0592	<0.0016	<0.0079	<0.00079	<0.00079	<0.0079	<0.04	<0.079	<0.0079	0.00022
Phenanthrene	*73*	*220*	0.227 J	0.175	0.162	14	2.3 J	0.16	0.25	5.8	**200**	0.24	0.65	0.0025
Phenol	*730*	*2200*	2.87	3.86	1.69	3.4	1.7 J	0.45	0	0.71	3.3	1.4	0.73	0.00037
Pyrene	*73*	*220*	<0.075	<0.0157	<0.0107	3.2	0.24 J	0.02	0.027	0.97	37	0.022 J	0.13	0.00057
Metals														
Arsenic	*1*	*1*				0.0012 J	0.00168 J	0.00199 J	0.0017 J	0.00197 J	0.00222	0.00332	0.00307	

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-71B 07/18/2012	MW-71B 02/07/2013	MW-71B 08/07/2013	MW-71B 01/24/2014	MW-71B 07/28/2014	MW-71B 01/25/2018	MW-71B 03/26/2018	MW-71B 06/06/2018	MW-71B 01/15/2019	MW-71B 07/17/2019	MW-71B 01/15/2020	MW-71B 07/23/2020
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0005	<0.00014	<0.00014	<0.0002	<0.00014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.5*	*0.5*	0.0014 J	0.0124	0.103	0.039	0.00155	<0.0002	0.0042	0.027	0.0024	0.13	0.0021	0.082
Chlorobenzene	*10*	*10*	<0.0005	<0.00012	<0.00012	<0.00018	<0.00012	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*70*	*70*	0.0075	0.00541	0.0354	0.00793	<0.00011	<0.0003	0.00065 J	0.0055	0.00093 J	0.031	0.0013	0.017
Methylene chloride	*0.5*	*0.5*	<0.001	<0.00015	<0.00015	<0.00022	<0.00015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*100*	*100*	0.0078	0.0104	0.0355	0.00918	0.00423	<0.0002	0.00094 J	0.0033	<0.0002	0.023	<0.0002	0.0024
Vinyl chloride	*0.2*	*0.2*			<0.00011									
Xylenes (total)	*1000*	*1000*	0.033	0.0143	0.0615	0.0202	0.0126	<0.0003	0.0044	0.013	0.00084 J	0.054	0.003	0.0087
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00005	<0.000105	<0.00519	<0.000106	<0.000107	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	*49*	*150*	<0.00005	<0.000295	<0.0146	0.0225	<0.000301	<0.000041	<0.000041	0.00044	<0.00004	<0.00004	<0.00004	<0.00004
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00005	<0.000124	<0.00613	<0.000125	<0.000126	<0.000059	<0.000059	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00006	<0.0000762	<0.00377	<0.0000769	<0.0000777	<0.000043	<0.000043	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	*200*	*580*	<0.00005	<0.0000762	<0.00377	<0.0000769	<0.0000777	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	*9.8*	*29*	<0.0004	0.000377 J	0.114	0.0476	<0.000068	<0.000019	0.0017	0.00031	<0.000019	0.024	0.006	0.0026 J
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00008	<0.00079	<0.0392	<0.000798	<0.000806	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
4-Nitrophenol	*4.9*	*15*	<0.00005	<0.000533	<0.0264	<0.000538	<0.000544	<0.000048	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	*150*	*440*	<0.00017	0.0044	0.0346	0.0212	0.000785	<0.000028	0.0043	0.0023	<0.000027	0.016	0.0053	0.0019 J
Acenaphthylene	*150*	*440*	<0.00005	0.000135 J	<0.00283	0.00122	<0.0000583	<0.000015	0.000066 J	0.00011	<0.000015	0.00033	0.00015	<0.000015
Anthracene	*730*	*2200*	<0.00013	0.000452 J	0.00383 J	0.00198	<0.0000485	0.000064 J	0.0022	0.00041	<0.000014	0.0066	0.0039	0.00054 J
Benzo(a)anthracene	*0.91*	*2*	0.00011 J	<0.0000762	<0.00377	<0.0000769	<0.0000777	0.00015	0.00067	0.00013	<0.00005	0.0026	0.0011	0.00041 J
Benzo(a)pyrene	*0.02*	*0.02*	0.00014 J	<0.0000762	<0.00377	<0.0000769	<0.0000777	0.0002	0.00029	0.00018	0.000021 J	0.00083	0.00052	0.00026 J
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00005	<0.000124	<0.00613	<0.000125	<0.000126	<0.000031	<0.000031	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	0.00012 J	<0.000352	<0.0175	<0.000356	<0.000359	0.00018 J	0.000081 J	<0.00056	<0.000037	<0.00014	0.00063	<0.000037
Chrysene	*91*	*200*	0.00015 J	<0.0000762	<0.00377	<0.0000769	<0.0000777	0.00023	0.00077	0.00025	<0.000021	0.0024	0.0011	0.00043 J
Dibenzofuran	*9.8*	*29*	<0.00016	0.00244	0.0292	0.0175	<0.0000777	<0.00002	0.004	0.0019	<0.00002	0.016	0.0049	0.0015 J
Di-n-butylphthalate (DBP)	*240*	*730*	<0.00005	<0.000105	<0.00519	<0.00085	<0.000107	<0.00002	<0.00002	<0.00002	0.000022 J	<0.00002	0.00098	<0.00002
Fluoranthene	*98*	*290*	<0.00026	0.000387 J	<0.0033	0.000712	0.000149 J	0.00033	0.0045	0.0005	0.000039 J	0.017	0.0057	0.0015 J
Fluorene	*98*	*290*	<0.00023	0.00168	0.0127 J	0.0104	<0.000068	<0.000031	0.0032	0.0013	<0.00003	0.0093	0.0038	0.0011 J
Naphthalene	*49*	*150*	<0.0019	0.0000937 J	2.07	0.504	<0.000471	<0.00002	0.00048	0.00011	<0.00002	0.44	0.0064	0.23 J
Nitrobenzene	*4.9*	*15*	<0.00005	<0.000105	<0.00519	<0.000106	<0.000107	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
N-Nitrosodiphenylamine	*19*	*42*	<0.00005	<0.0000952	<0.00472	<0.0000962	<0.0000971	<0.000026	<0.000026	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Pentachlorophenol	*0.1*	*0.1*	<0.00005	<0.000581	<0.0288	<0.000587	<0.000592	<0.000081	<0.000081	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	*73*	*220*	<0.00034	0.00127	0.0124 J	0.00677	<0.0000583	0.00012	0.012	0.0016	<0.000021	0.03	0.017	0.0022 J
Phenol	*730*	*2200*	<0.00005	<0.0000381	<0.00189	<0.0000385	<0.0000388	<0.000036	<0.000036	<0.000035	<0.000035	0.000051 J	<0.000035	<0.000035
Pyrene	*73*	*220*	<0.00026	0.000253 J	<0.00519	0.000353 J	<0.000107	0.00031	0.0028	0.00064	0.000037 J	0.0088	0.0042	0.001 J
Metals														
Arsenic	*1*	*1*						0.00174 J	0.00214	0.000851 J	0.00158 J	0.000626 J	0.00279	<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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-71B 01/20/2021	MW-71B 07/14/2021	MW-71B 01/12/2022	MW-71B 07/21/2022	MW-71B 02/01/2023	MW-71B 07/20/2023	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
Volatile Organic Compounds														
1,2-Dichloroethane	*0.5*	*0.5*	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	<0.005	<0.007	<0.014	<0.0002	0.018	<0.0002
Benzene	*0.5*	*0.5*	0.012	0.043	0.0055 J	0.023	<0.0002	0.01	**1.4**	**1.45**	**1.23**	**0.932**	**0.8**	**1.1**
Chlorobenzene	*10*	*10*	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.0003	<0.005	<0.006	<0.012	0.00029 J	0.00033 J	<0.0003
Ethylbenzene	*70*	*70*	0.0033	0.0064	<0.003	<0.0003	<0.0003	0.00098 J	0.31	0.321	0.332	0.224	0.26	0.31
Methylene chloride	*0.5*	*0.5*	<0.001	<0.001	0.012 J	<0.001	<0.001	<0.001	<0.01	<0.0075	0.291	<0.00022	<0.001	<0.001
Toluene	*100*	*100*	0.00079 J	0.0033	<0.002	<0.0002	<0.0002	0.0013	1.1	1.18	1.12	0.724	0.72	0.99
Vinyl chloride	*0.2*	*0.2*												
Xylenes (total)	*1000*	*1000*	0.0025	0.004	<0.003	<0.0003	<0.0003	0.0018 J	0.88	0.96	0.928	0.661	0.87	0.94
Semivolatile Organic Compounds														
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0005	<0.0524	<0.0267	**<0.156**	<0.00021	<0.00021
2,4-Dimethylphenol	*49*	*150*	<0.00004	<0.00004	0.00073	<0.00004	<0.00004	<0.00004	20	**98.1**	29.9	**182 J**	10	16
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.0005	<0.0619	<0.0316	**<0.184**	<0.00058	<0.00058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0006	<0.0381	<0.0194	<0.113	<0.00042	<0.00042
2-Chloronaphthalene	*200*	*580*	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0005	<0.0381	<0.0194	<0.113	<0.00021	<0.00021
2-Methylnaphthalene	*9.8*	*29*	0.00034	0.0021	<0.000019	0.000092 J	<0.000019	<0.000019	0.74	1.39	1.19	3.37	0.33	0.42
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.0008	**<0.395**	<0.201	**<1.17**	<0.0002	<0.0002
4-Nitrophenol	*4.9*	*15*	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.0005	<0.267	<0.136	<0.792	<0.00047	<0.00047
Acenaphthene	*150*	*440*	0.000079 J	0.007	0.0037	0.004	<0.000027	0.00042	0.23	0.584	0.476	1.6	0.07	0.15
Acenaphthylene	*150*	*440*	<0.000015	0.000077 J	0.000051 J	<0.000015	<0.000015	<0.000015	0.0073	<0.0286	<0.0146	<0.0849	0.0021	<0.00015
Anthracene	*730*	*2200*	0.00015	0.0019	0.00057	0.00064	0.000024 J	0.0001	0.017	0.0646 J	0.033 J	0.179 J	0.0085	0.02
Benzo(a)anthracene	*0.91*	*2*	0.00028	0.00054	0.00028	0.00017	<0.00005	<0.00005	<0.0005	<0.0381	<0.0194	<0.113	<0.0005	<0.0005
Benzo(a)pyrene	*0.02*	*0.02*	0.00014	0.00015	0.00012	0.000093 J	0.000066 J	<0.00002	<0.0005	**<0.0381**	<0.0194	**<0.113**	<0.0002	<0.0002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.0005	<0.0619	<0.0316	**<0.184**	<0.0003	<0.0003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00012	0.000084 J	<0.000037	0.00012 J	0.000072 J	<0.000037	<0.001	<0.176	<0.0898	<0.524	<0.00037	<0.00037
Chrysene	*91*	*200*	0.00027	0.00044	0.00031	0.00024	<0.000021	<0.000021	<0.0005	<0.0381	<0.0194	<0.113	<0.00021	<0.00021
Dibenzofuran	*9.8*	*29*	0.00013	0.0068	0.0028	0.002	<0.00002	0.00021	0.18	0.355	0.348	1.21	0.06	0.13
Di-n-butylphthalate (DBP)	*240*	*730*	<0.000091	0.000037 J	<0.00002	<0.00002	0.000022 J	<0.00002	<0.0005	<0.0524	<0.0267	<0.156	<0.0002	<0.0002
Fluoranthene	*98*	*290*	0.0007	0.0041	0.00062	0.001	0.00012	0.00018	0.0034	<0.0333	<0.017	<0.0991	<0.0001	0.0015
Fluorene	*98*	*290*	0.0001	0.0043	0.0028	0.0026	<0.00003	0.00024	0.11	0.253	0.224	0.7 J	0.032	0.069
Naphthalene	*49*	*150*	0.0048	0.14	<0.00034	0.00047	0.000046 J	0.000048 J	16	**88.5 J**	25	**82.8**	7.5	13
Nitrobenzene	*4.9*	*15*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0005	<0.0524	<0.0267	<0.156	<0.00024	<0.00024
N-Nitrosodiphenylamine	*19*	*42*	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0005	<0.0476	<0.0243	<0.142	<0.00025	<0.00025
Pentachlorophenol	*0.1*	*0.1*	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.0005	**<0.29**	**<0.148**	**<0.863**	<0.00079	<0.00079
Phenanthrene	*73*	*220*	<0.00018	0.0048	0.00064	0.00037	0.000035 J	0.000082 J	0.079	0.264	0.182	0.76	0.02	0.084
Phenol	*730*	*2200*	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	3.4	7.51	6.31	31.4	4.2	4.2
Pyrene	*73*	*220*	0.00047	0.0027	0.00035	0.00058	0.00011	0.00012	0.0019 J	<0.0524	<0.0267	<0.156	<0.00019	0.0012
Metals														
Arsenic	*1*	*1*	0.000934 J	<0.00118	0.0012 J	0.00138 J	0.00245	6.39E-05 J					0.00127 J	0.000624 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 - 2023)
CLASS 3 GROUNDWATER
HOUSTON, TX - WOOD PRESERVING WORKS

	Class 3 Residential Assessment	*Class 3 C/I PCL*	MW-72B 05/16/2018	MW-72B 01/24/2019	MW-72B 07/10/2019	MW-72B 01/09/2020	MW-72B 07/14/2020	MW-72B 01/21/2021	MW-72B 07/26/2021	MW-72B 01/13/2022	MW-72B 07/12/2022	MW-72B 01/19/2023	MW-72B 07/13/2023
Volatile Organic Compounds													
1,2-Dichloroethane	*0.5*	*0.5*	<0.001	0.011	<0.0002	<0.002	<0.0002	<0.005	<0.002	<0.001	<0.0002	<0.001	<0.02
Benzene	*0.5*	*0.5*	**1.2**	**0.63**	**1.1**	**0.7**	**0.92**	**0.98**	**1**	**0.94**	**0.91**	**0.9**	**1.3**
Chlorobenzene	*10*	*10*	<0.0015	<0.003	<0.0003	<0.003	0.0003 J	<0.0075	<0.003	<0.0015	<0.0003	<0.0015	<0.03
Ethylbenzene	*70*	*70*	0.34	0.2	0.3	0.13	0.23	0.24	0.32	0.37	0.21	0.21	0.32
Methylene chloride	*0.5*	*0.5*	<0.005	<0.01	<0.001	<0.01	<0.001	<0.025	<0.01	<0.005	<0.001	<0.005	<0.1
Toluene	*100*	*100*	0.95	0.58	0.96	0.58	0.75	0.87	1.1	0.83	0.73	0.81	1.1
Vinyl chloride	*0.2*	*0.2*											
Xylenes (total)	*1000*	*1000*	1.1	0.63	0.97	0.36	0.54	0.67	0.89	1.2	0.6	0.58	0.88
Semivolatile Organic Compounds													
1,2-Diphenylhydrazine	*0.11*	*0.26*	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.021	<0.0042	<0.0021
2,4-Dimethylphenol	*49*	*150*	14	2	19	13	22	4.2	7.5	10	16	4.5	8.2
2,4-Dinitrotoluene	*0.13*	*0.3*	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	<0.00058	<0.058	<0.012	<0.0058
2,6-Dinitrotoluene	*0.13*	*0.3*	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.00042	<0.042	<0.0084	<0.0042
2-Chloronaphthalene	*200*	*580*	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.021	<0.0042	<0.0021
2-Methylnaphthalene	*9.8*	*29*	0.23	0.071	0.57	0.22	0.099	0.2	0.25	0.48	0.42	0.14	0.24
4,6-Dinitro-2-methylphenol	*0.24*	*0.73*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.02	<0.004	<0.002
4-Nitrophenol	*4.9*	*15*	<0.00047	0.0073 J	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.047	<0.0094	<0.0047
Acenaphthene	*150*	*440*	0.12	0.019	0.2	0.079	0.063	0.059	0.078	0.14	0.15	0.056	0.083
Acenaphthylene	*150*	*440*	0.003	0.00069 J	0.0044	0.0023	0.0018	0.0019	0.002	0.0031	<0.015	<0.003	<0.0015
Anthracene	*730*	*2200*	<0.00014	0.0015	0.034	0.02	0.0059	0.0044	0.011	0.012	<0.014	0.0086 J	0.0079 J
Benzo(a)anthracene	*0.91*	*2*	<0.0005	<0.0005	0.0069	0.0031	0.00062 J	<0.0005	0.002	<0.0005	<0.05	<0.01	<0.005
Benzo(a)pyrene	*0.02*	*0.02*	<0.0002	<0.0002	0.0019	0.0011	<0.0002	<0.0002	0.00078 J	<0.0002	<0.02	<0.004	<0.002
bis(2-Chloroethoxy)methane	*0.083*	*0.19*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.03	<0.006	<0.003
bis(2-Ethylhexyl)phthalate (DEHP)	*0.6*	*0.6*	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.037	<0.0074	<0.0037
Chrysene	*91*	*200*	<0.00021	<0.00021	0.0069	0.0033	0.00027 J	<0.00021	0.002	<0.00021	<0.021	<0.0042	<0.0021
Dibenzofuran	*9.8*	*29*	0.082	0.017	0.16	0.061	0.052	0.046	0.066	0.088	0.11	0.044	0.059
Di-n-butylphthalate (DBP)	*240*	*730*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.02	<0.004	<0.002
Fluoranthene	*98*	*290*	0.00095 J	<0.0001	0.046	0.024	0.0012	0.00084 J	0.012	0.0012	<0.01	0.0067 J	0.0026 J
Fluorene	*98*	*290*	0.051	0.0091	0.12	0.049	0.031	0.028	0.045	0.054	0.07 J	0.033	0.041
Naphthalene	*49*	*150*	12	1.2	12	2	8.8	5.6	7.1	9.4	9.4	3.2	5.2
Nitrobenzene	*4.9*	*15*	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.024	<0.0048	<0.0024
N-Nitrosodiphenylamine	*19*	*42*	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.025	<0.005	<0.0025
Pentachlorophenol	*0.1*	*0.1*	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.00079	<0.079	<0.016	<0.0079
Phenanthrene	*73*	*220*	0.045	0.0042	0.16	0.075	0.028	0.016	0.05	0.035	0.049 J	0.037	0.03
Phenol	*730*	*2200*	2.3	0.58	9.3	5.2	6.4	2.1	2.8	5.3	4.9	1.6	3.1
Pyrene	*73*	*220*	0.00074 J	<0.00019	0.029	0.013	0.00093 J	0.00039 J	0.0087	<0.00019	<0.019	<0.0038	<0.0019
Metals													
Arsenic	*1*	*1*	0.000951 J	0.00106 J	0.000861 J	0.00105 J	0.00106 J	0.00141 J	0.00217	0.00232	0.00312	0.0868	0.0039

Notes:

1. All values in milligrams per liter (mg/L).
2. Concentrations > RAL and non-detects are highlighted light gray.
3. Concentrations > C/I AL and non-detects are highlighted dark gray
4. TRRP Protective Concentration Limits (PCLs) (30 TAC §350, Table 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:	Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)	Max Values	MW-25A	MW-25A	MW-25A	MW-25A	MW-25A	MW-25A	MW-25A	MW-25A	MW-25A	MW-26A	MW-26A	MW-26A	MW-26A
Sample Date:	Cgw,Target (mg/L)	(mg/L)	07/16/2019	01/15/2020	07/22/2020	01/26/2021	07/20/2021	01/25/2022	07/25/2022	02/01/2023	07/17/2023	07/17/2019	01/16/2020	07/27/2020	01/19/2021
Semivolatile Organic Compounds (mg/L)															
Benzo(a)anthracene	*0.344*	*0.0033*	<0.00005	0.00012	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	*0.9400*	0.00023	0.0001	0.001	<0.00002	<0.00002	<0.00002	<0.001	0.000077 J	<0.00002	<0.00032	<0.00017	<0.000049	<0.00079
Nitrobenzene	*0.715*	*0.001*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	0.001	<0.000024
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	<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	<0.0002	<0.0002	0.00036 J	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	*0.0011*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	*0.0003*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	*0.001*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	*0.0021*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	*0.0002*	<0.0002	<0.0002	<0.0002	NA	NA	NA	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	<0.0003	<0.0003	<0.0003

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

J = Estimated value

< = Compound not detected at the specified detection limit.

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

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

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

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-26A	MW-26A	MW-26A	MW-26A	MW-26A	MW-27A	MW-27A	MW-27A	MW-27A	MW-27A	MW-27A	MW-27A	MW-28A	MW-28A
Sample Date:	*Cgw,Target (mg/L)*	07/20/2021	01/20/2022	07/20/2022	02/01/2023	07/20/2023	07/18/2019	01/15/2020	07/28/2021	01/25/2022	07/19/2022	01/26/2023	07/13/2023	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	<0.00005	0.00053	<0.00005	<0.00005	<0.00005	<0.0005	0.000055 J	0.000073 J
Naphthalene	*0.0174*	<0.00091	<0.00002	<0.00002	0.00069	0.00014	0.0026	0.000053 J	0.00015	<0.00002	<0.00002	<0.00002	<0.0002	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	<0.00024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)															
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

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

J = Estimated value

< = Compound not detected at the specified detection limit.

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

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

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

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-28A	MW-28A	MW-28A	MW-28A	MW-28A	MW-28A	MW-28A	MW-28A	MW-32AR	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	01/10/2023	07/19/2023	07/30/2019	01/20/2020	07/23/2020	01/19/2021	07/21/2021	01/20/2022
Semivolatile Organic Compounds (mg/L)															
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.0005	<0.0005	<0.00005	0.000054 J	<0.00005	0.000088 J	<0.00005	<0.00013	<0.00005
Naphthalene	*0.0174*	0.00015 J	<0.000091	0.94(UV)	<0.00002	<0.0002	0.000083 J	<0.0002	0.00005 J	<0.00002	<0.00014	0.00026 J	<0.00002	<0.0019	<0.00002
Nitrobenzene	*0.715*	<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	<0.000024
Volatile Organic Compounds (mg/L)															
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	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	<0.0003	<0.0003	<0.0003

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

J = Estimated value

< = Compound not detected at the specified detection limit.

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

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

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

Location ID:	Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)	MW-32AR	MW-32AR	MW-32AR	MW-33A	MW-33A (DUP	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)	07/21/2022	01/10/2023	07/20/2023	07/17/2019	07/17/2019	01/20/2020	01/20/2020	07/28/2020	07/28/2020	08/18/2020	08/18/2020	01/19/2021	01/19/2021
Semivolatile Organic Compounds (mg/L)														
Benzo(a)anthracene	*0.344*	0.000079 J	<0.00005	<0.00005	<0.00005	<0.00005	0.00012	0.00012	NA	NA	0.00011	0.00014	<0.00005	0.000065 J
Naphthalene	*0.0174*	0.0012	<0.00002	0.0013	<0.000076	<0.000096	<0.0005	<0.00066	NA	NA	<0.00002	<0.000021	<0.0002	<0.00014
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	NA	NA	<0.000024	<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	<0.0002	NA	NA	<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	NA	NA	<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	NA	NA	<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	NA	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	<0.001	NA	NA	<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	NA	NA	<0.0002	<0.0002
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	NA	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.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

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

Location ID:	Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)	MW-33A	MW-33A (DUP)	MW-33A	MW-33A (DUP)	MW-33A	MW-33A (DUP	MW-33A	MW-33A (DUP	MW-33A	MW-33A (DUP	MW-35A	MW-35A	MW-35A
Sample Date:	Cgw,Target (mg/L)	07/21/2021	07/21/2021	01/25/2022	01/25/2022	07/21/2022	07/21/2022	01/10/2023	01/10/2023	07/20/2023	07/20/2023	07/18/2019	01/10/2020	07/22/2020
Semivolatile Organic Compounds (mg/L)														
Benzo(a)anthracene	*0.344*	0.00013	0.00013	0.0002	0.0002	<0.00005	0.00011	0.000059 J	0.00011	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.0002	<0.00017	<0.00002	<0.00011	0.00013 J	0.00024 J	0.0015 J	0.00024 J	0.000061 J	0.000055 J	0.00083	<0.0002	0.0012
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	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)														
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00058 J
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	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	<0.0003	<0.0003

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

J = Estimated value

< = Compound not detected at the specified detection limit.

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

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

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

Location ID:	Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)	MW-35A	MW-35A	MW-35A	MW-35A	MW-35A	MW-35A	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A	MW-36A
Sample Date:	Cgw,Target (mg/L)	01/12/2021	07/22/2021	01/27/2022	07/20/2022	01/12/2023	07/18/2023	07/16/2019	01/09/2020	07/28/2020	08/18/2020	01/27/2021	07/21/2021	01/25/2022	07/27/2022
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	NA	<0.000052	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00035	<0.011	0.00034	0.000093 J	0.00031	<0.00002	0.00015	<0.00034	NA	<0.000021	<0.00002	<0.00063	<0.00002	0.000054 J
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	NA	<0.000025	<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	NA	<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	NA	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0011	<0.0003	<0.0003	<0.0003	NA	<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	NA	<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	NA	<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	NA	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	<0.0002	<0.0002	<0.0002	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	0.00032 J	0.0003 J	0.0003 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	NA	<0.0003	<0.0003	<0.0003	<0.0003

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

J = Estimated value

< = Compound not detected at the specified detection limit.

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

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

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

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-36A	MW-36A	MW-38A	MW-38A	MW-38A	MW-38A	MW-38A	MW-38A	MW-38A	MW-38A	MW-38A	MW-44A	MW-44A	MW-44A
Sample Date:	*Cgw,Target (mg/L)*	02/01/2023	07/20/2023	07/31/2019	01/21/2020	07/20/2020	01/13/2021	07/14/2021	01/27/2022	07/26/2022	01/26/2023	07/20/2023	07/17/2019	01/09/2020	07/22/2020
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	<0.00005	<0.00005	0.000085 J	0.000054 J	<0.00005
Naphthalene	*0.0174*	0.000087 J	0.000028 J	0.000068 J	0.0011	<0.00002	0.000042 J	<0.00011	0.00018	0.0019	0.000039 J	<0.00002	<0.00019	<0.003	<0.00016
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	<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	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0002	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	<0.0003	<0.0003	<0.0003

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

J = Estimated value

< = Compound not detected at the specified detection limit.

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

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

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

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-44A	MW-44A	MW-44A	MW-44A	MW-44A	MW-44A	MW-47A	MW-47A	MW-47A	MW-47A	MW-47A	MW-47A	MW-47A	MW-47A
Sample Date:	*Cgw,Target (mg/L)*	01/26/2021	07/22/2021	01/25/2022	07/25/2022	02/02/2023	07/24/2023	03/20/2020	07/21/2020	01/21/2021	07/14/2021	01/11/2022	07/24/2022	01/25/2023	07/17/2023
Semivolatile Organic Compounds (mg/L)															
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.000057	<0.0005	<0.00005	<0.0005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005
Naphthalene	*0.0174*	<0.000091	0.011	<0.00023	<0.00052	<0.00002	<0.0002	<0.00002	0.00025	<0.00015	<0.000069	<0.000058	<0.000065	<0.00002	<0.0002
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.00024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024
Volatile Organic Compounds (mg/L)															
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

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

J = Estimated value

< = Compound not detected at the specified detection limit.

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

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

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

Location ID:	Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)	MW-59A	MW-59A	MW-59A	MW-59A	MW-59A	MW-59A	MW-59A	MW-59A	MW-59A	MW-60A	MW-60AR	MW-60AR	MW-60AR	MW-60AR
Sample Date:	Cgw,Target (mg/L)	07/17/2019	01/16/2020	07/21/2020	01/26/2021	07/19/2021	01/12/2022	07/18/2022	01/31/2023	07/13/2023	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	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00012	<0.0012	0.00017	<0.00007	0.000087J	<0.0003	0.000028 J	0.000091 J	<0.00002	<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	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)															
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	0.0021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	<0.0002	<0.0002	<0.0002	NA	NA	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	<0.0003	<0.0003	<0.0003

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

J = Estimated value

< = Compound not detected at the specified detection limit.

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

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

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

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-60AR	MW-60AR	MW-60AR	MW-60AR	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A	MW-61A	MW-68A
Sample Date:	*Cgw,Target (mg/L)*	01/11/2022	07/18/2022	01/12/2023	07/17/2023	07/17/2019	01/16/2020	07/20/2020	01/27/2021	07/19/2021	01/12/2022	07/22/2022	01/25/2023	07/13/2023	07/18/2019
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	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00014	0.0002	<0.00002	0.00012	<0.00002	<0.00021	<0.000073	<0.00002	0.00008J	<0.00002	<0.000061	<0.00002	0.00018	0.00035
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	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)															
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	<0.0002	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

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

J = Estimated value

< = Compound not detected at the specified detection limit.

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

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

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

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-68A	MW-68A	MW-68A	MW-68A	MW-68A	MW-68A	MW-68A	MW-68A	MW-69A	MW-69A	MW-69A	MW-69A	MW-69A	MW-69A
Sample Date:	*Cgw,Target (mg/L)*	01/17/2020	07/27/2020	01/18/2021	07/20/2021	01/20/2022	07/19/2022	01/09/2023	07/19/2023	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*	<0.00005	<0.00002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0033	<0.00005
Naphthalene	*0.0174*	<0.00022	<0.000029	<0.00002	<0.00002	<0.00002	<0.000035	<0.00002	<0.0002	<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	<0.00024	<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	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	0.00039 J	<0.0002	<0.0002	<0.0002	<0.01	<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	<0.015	<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	<0.015	<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	<0.05	<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	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA
Vinyl chloride	*0.00147*	NA	NA	NA	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	<0.015	<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.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

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

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-69A	MW-69A	MW-69A	MW-84A	MW-84A	MW-84A	MW-84A	MW-84A	MW-84A	MW-84A	MW-84A	MW-91A	MW-91A	MW-91A
Sample Date:	*Cgw,Target (mg/L)*	07/19/2022	01/31/2023	07/17/2023	03/12/2020	07/27/2020	01/18/2021	07/20/2021	01/20/2022	07/26/2022	01/12/2023	07/19/2023	03/12/2020	07/23/2020	01/20/2021
Semivolatile Organic Compounds (mg/L)															
Benzo(a)anthracene	*0.344*	<0.00005	0.00006 J	<0.00005	<0.000051	<0.000052	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.000053	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00011	0.0019	<0.00002	0.000023 J	<0.00013	<0.00002	<0.00002	0.000063 J	<0.00002	<0.00002	<0.0002	0.000083 J	<0.00002	0.093
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<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	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

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

J = Estimated value

< = Compound not detected at the specified detection limit.

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

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

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

Location ID:	Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)	MW-91A	MW-91A	MW-91A (DUP)	MW-91A	MW-91A (DUP)	MW-91A	MW-91A (DUP)	MW-91A	MW-91A (DUP)	MW-94A	MW-94A	MW-94A	MW-94A	MW-94A	MW-94A
Sample Date:	Cgw,Target (mg/L)	07/21/2021	01/20/2022	01/20/2022	07/27/2022	07/27/2022	02/02/2023	02/02/2023	07/18/2023	07/18/2023	03/12/2020	7/202020	01/12/2021	07/19/2021	01/25/2022	07/26/2022
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	<0.000052	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	<0.00019	<0.00002	<0.00002	<0.00002	<0.00002	0.0063 J	0.000087 J	<0.00002	<0.00002	<0.000021	<0.00002	<0.00025	<0.00002	<0.00002	<0.000098
Nitrobenzene	*0.715*	<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	<0.000024
Volatile Organic Compounds (mg/L)																
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

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

J = Estimated value

< = Compound not detected at the specified detection limit.

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

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

TABLE 4

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

Location ID:	*Target Groundwater Concentration (TCR=1E-05 or THQ=0.1)*	MW-94A	MW-94A	MW-95A	MW-95A	MW-95A	MW-95A	MW-95A	MW-95A	MW-95A	MW-95A
Sample Date:	*Cgw,Target (mg/L)*	01/26/2023	07/20/2023	03/17/2020	07/20/2020	01/13/2021	07/19/2021	01/25/2022	07/22/2022	01/26/2023	07/21/2023
Semivolatile Organic Compounds (mg/L)											
Benzo(a)anthracene	*0.344*	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Naphthalene	*0.0174*	0.00002 J	<0.00002	<0.00002	<0.00002	<0.00025	<0.000056	<0.00002	<0.000086	0.000023 J	0.0062
Nitrobenzene	*0.715*	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Volatile Organic Compounds (mg/L)											
1,2-Dichloroethane	*0.0151*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Benzene	*0.0138*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	*0.041*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ethylbenzene	*0.0349*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	*0.471*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	*1.92*	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vinyl chloride	*0.00147*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	*0.0385*	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

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

J = Estimated value

< = Compound not detected at the specified detection limit.

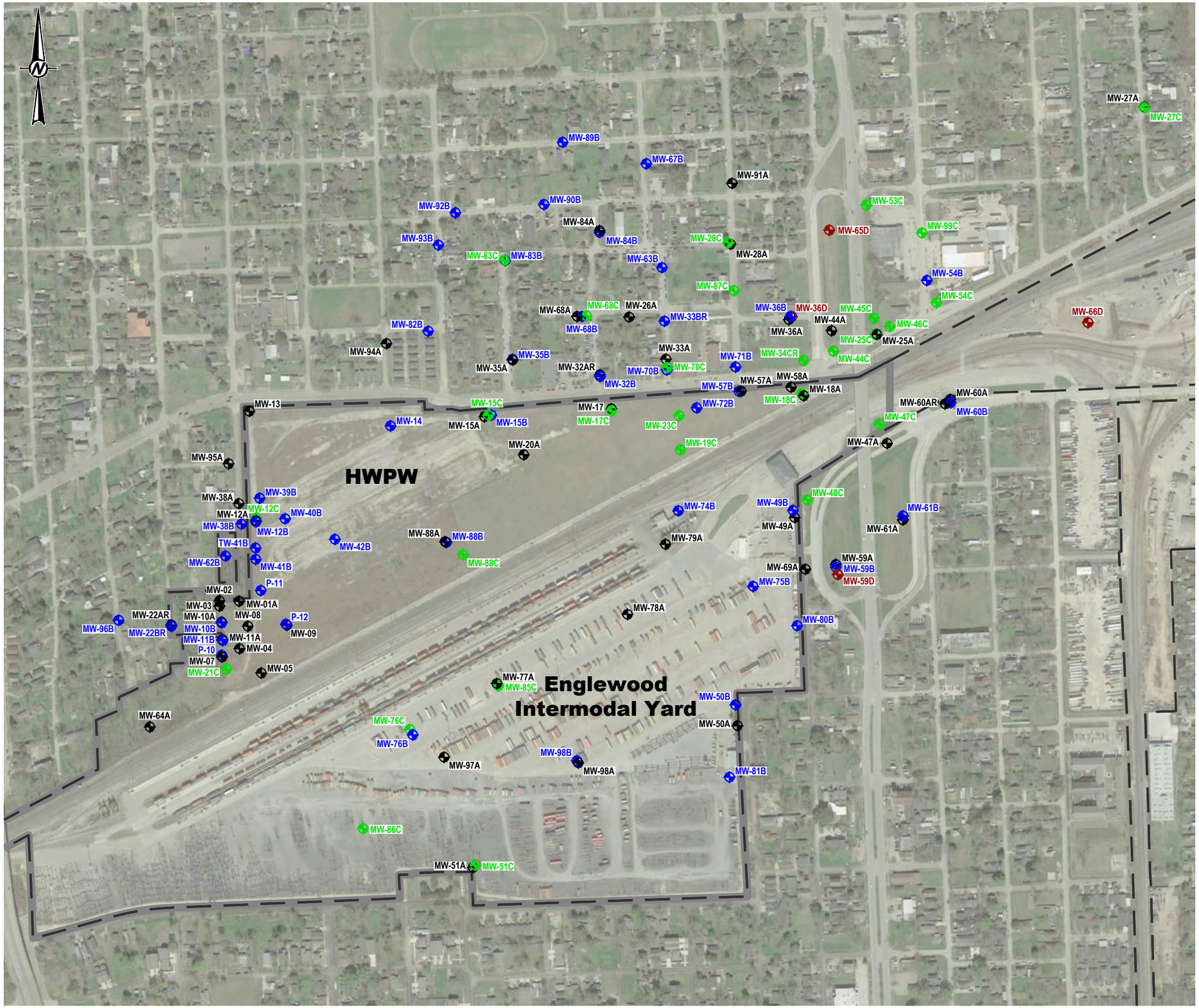
UV= Unverified result; subsequent sampling did not confirm result.

TCR= Target cancer risk of 1E-05

THQ= Target hazard quotient of 0.1

Cgw, Target= Target groundwater screening level

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

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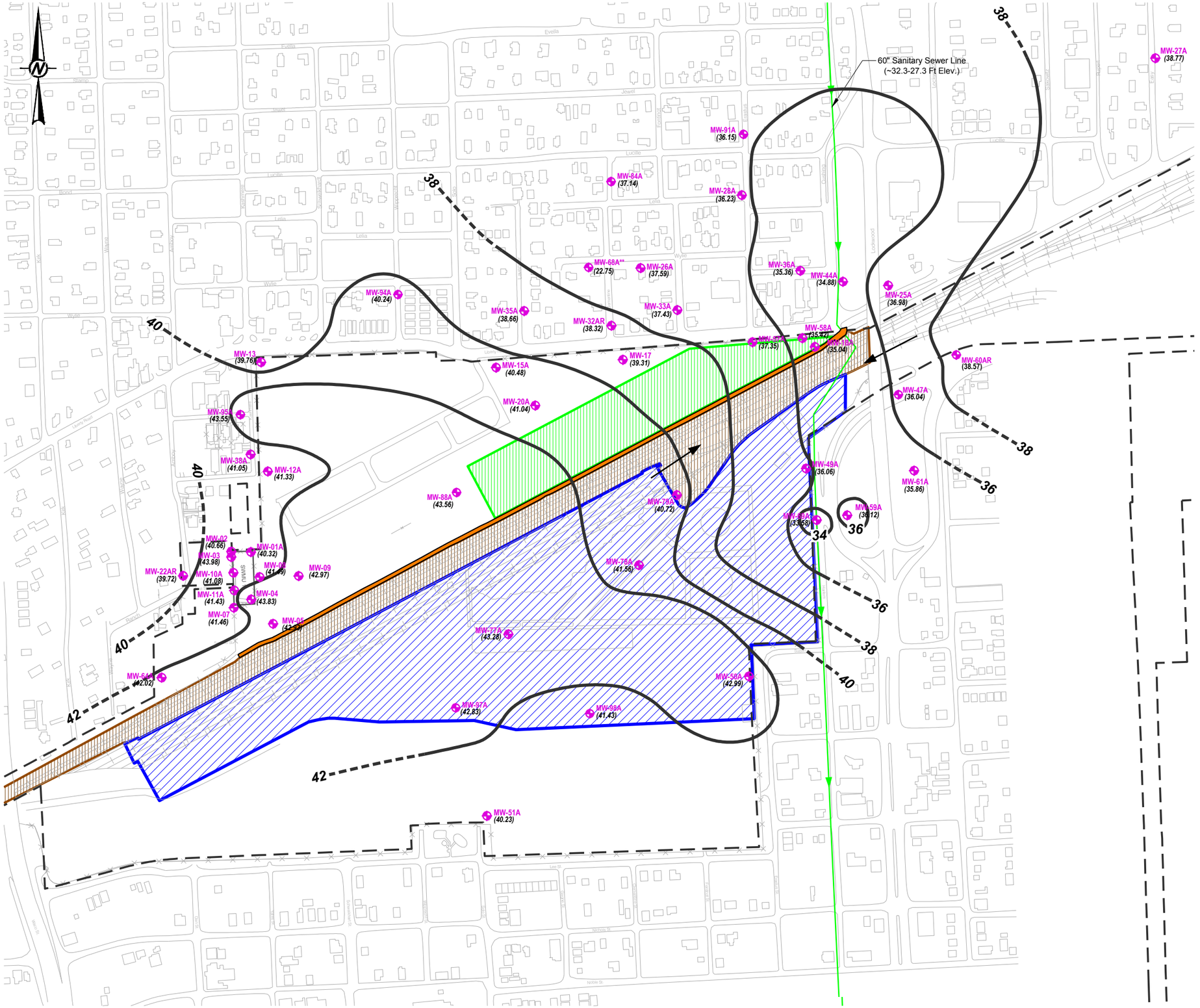
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



LEGEND

- UPRR PROPERTY BOUNDARY
- 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 2023 SITE WIDE MONITORING EVENT).
3. ** - 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
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST

09/10/24

0 200 400
1" = 400' FEET

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER GRADIENT MAP - A-TZ
JULY 2023

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

YYYY-MM-DD	2024-02-01
DESIGNED	AJD
PREPARED	AJD
REVIEWED	CM
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 B

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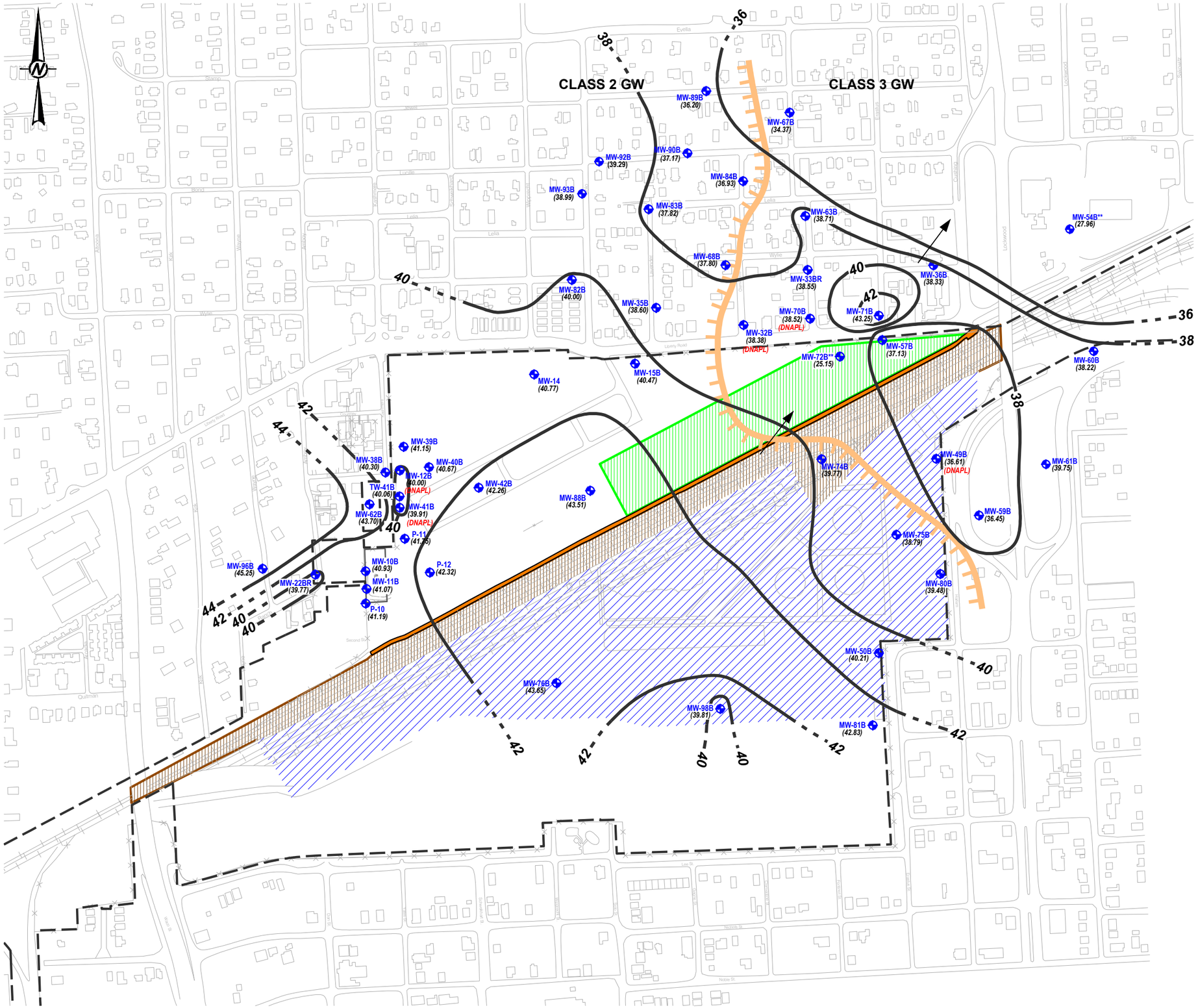

LEGEND

- 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 2023 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
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST

09/10/24

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 2023

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

YYYY-MM-DD	2024-02-01
DESIGNED	AJD
PREPARED	AJD
REVIEWED	CM
APPROVED	ECM

PROJECT NO. 21406585.016 REV. 0 FIGURE 3

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

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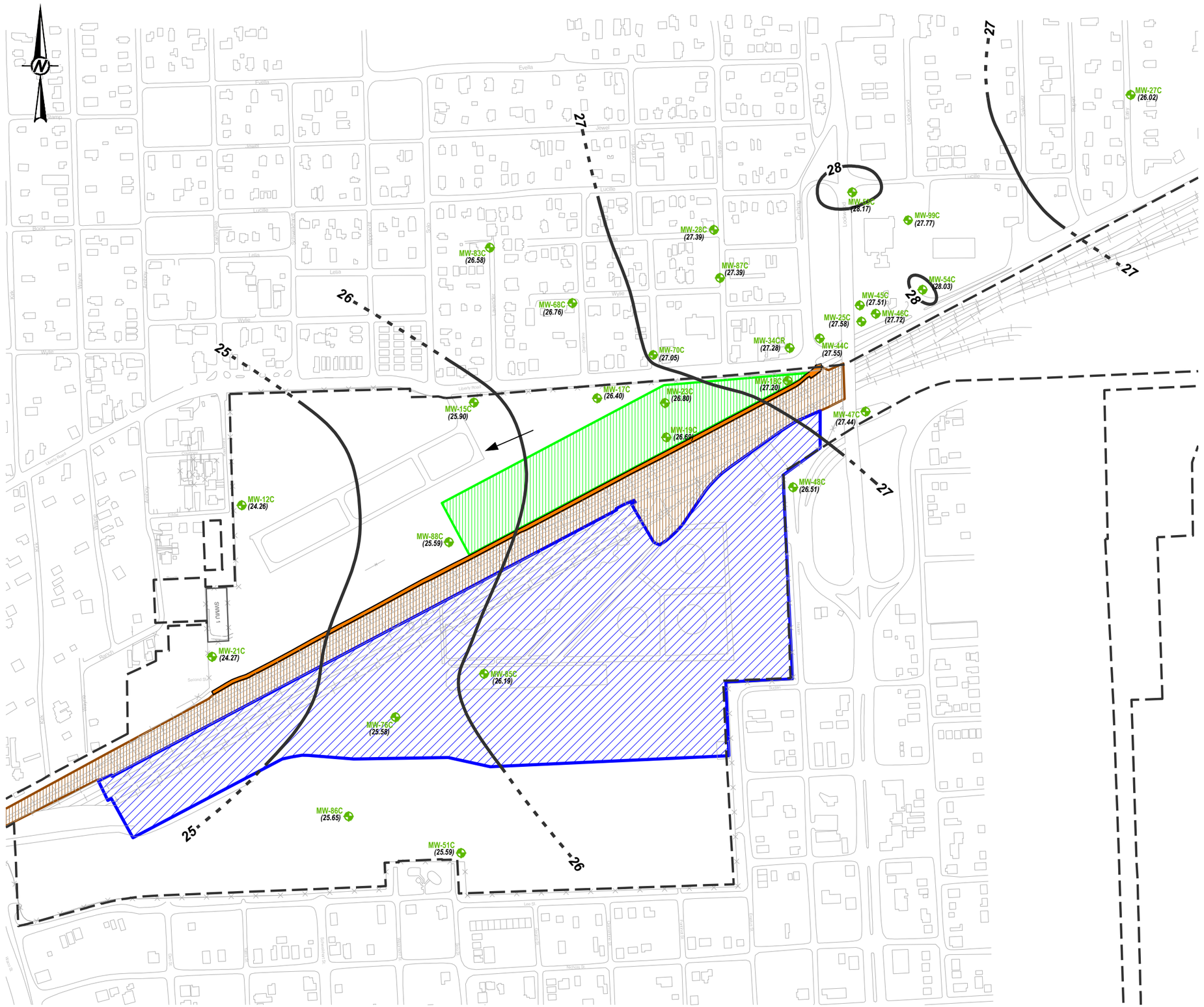

LEGEND

- UPRR PROPERTY BOUNDARY
- HISTORIC STRUCTURE AND FEATURE
- ROAD, PARKING LOT, SIDEWALK
- FENCE
- RAILROAD
- C-TZ MONITORING WELL LOCATION
- (29.54) 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 2023 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
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST

09/10/24

0 200 400
1" = 400' FEET

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER GRADIENT MAP - C-TZ
JULY 2023

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

YYYY-MM-DD	2024-01-02
DESIGNED	AJD
PREPARED	AJD
REVIEWED	CM
APPROVED	ECM

PROJECT NO. 31406585.016 | REV. 0 | FIGURE 4

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

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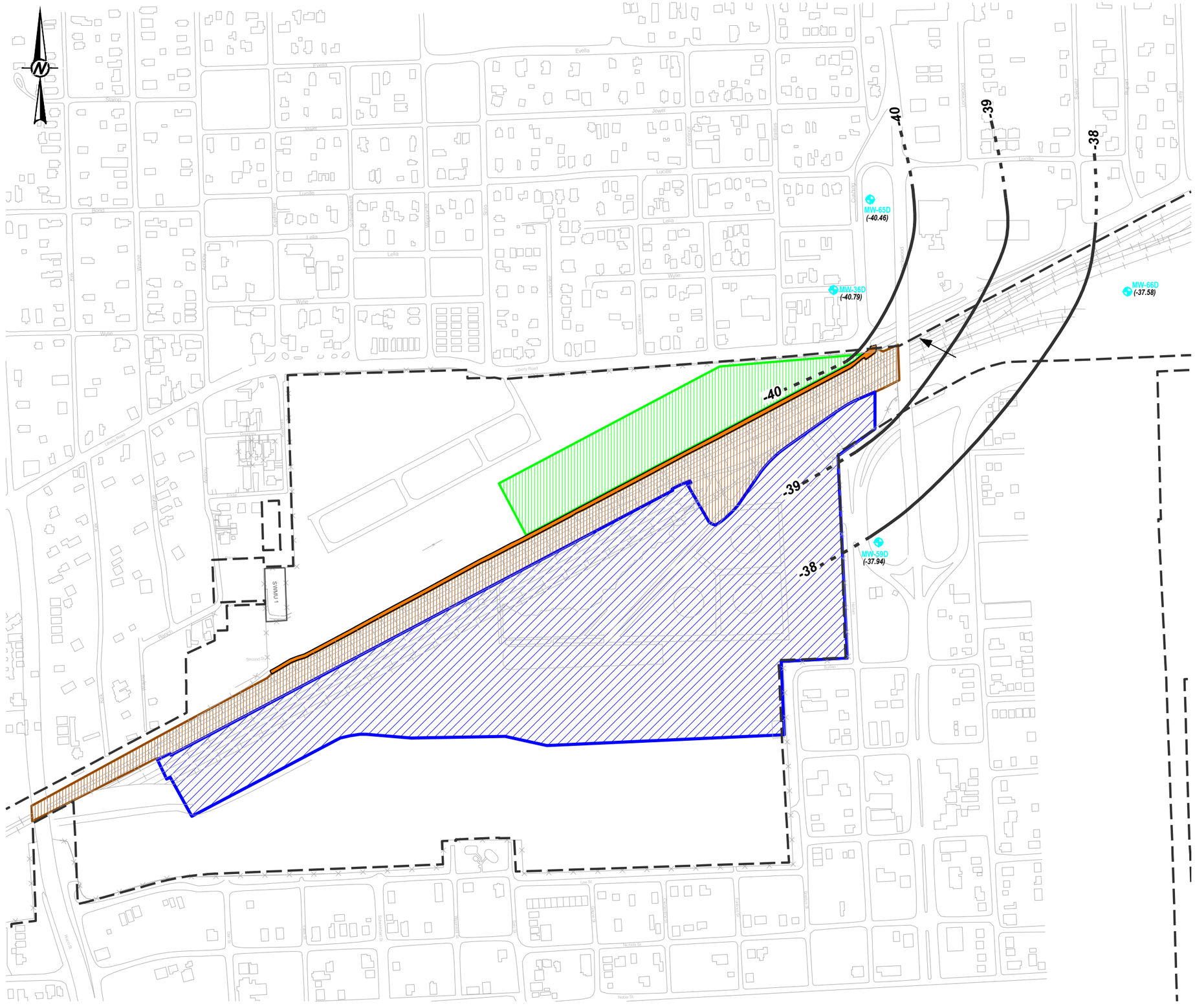


LEGEND

- 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 2023 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
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST

09/10/24

0 200 400
1" = 400' FEET

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER GRADIENT MAP - D-TZ
JULY 2023

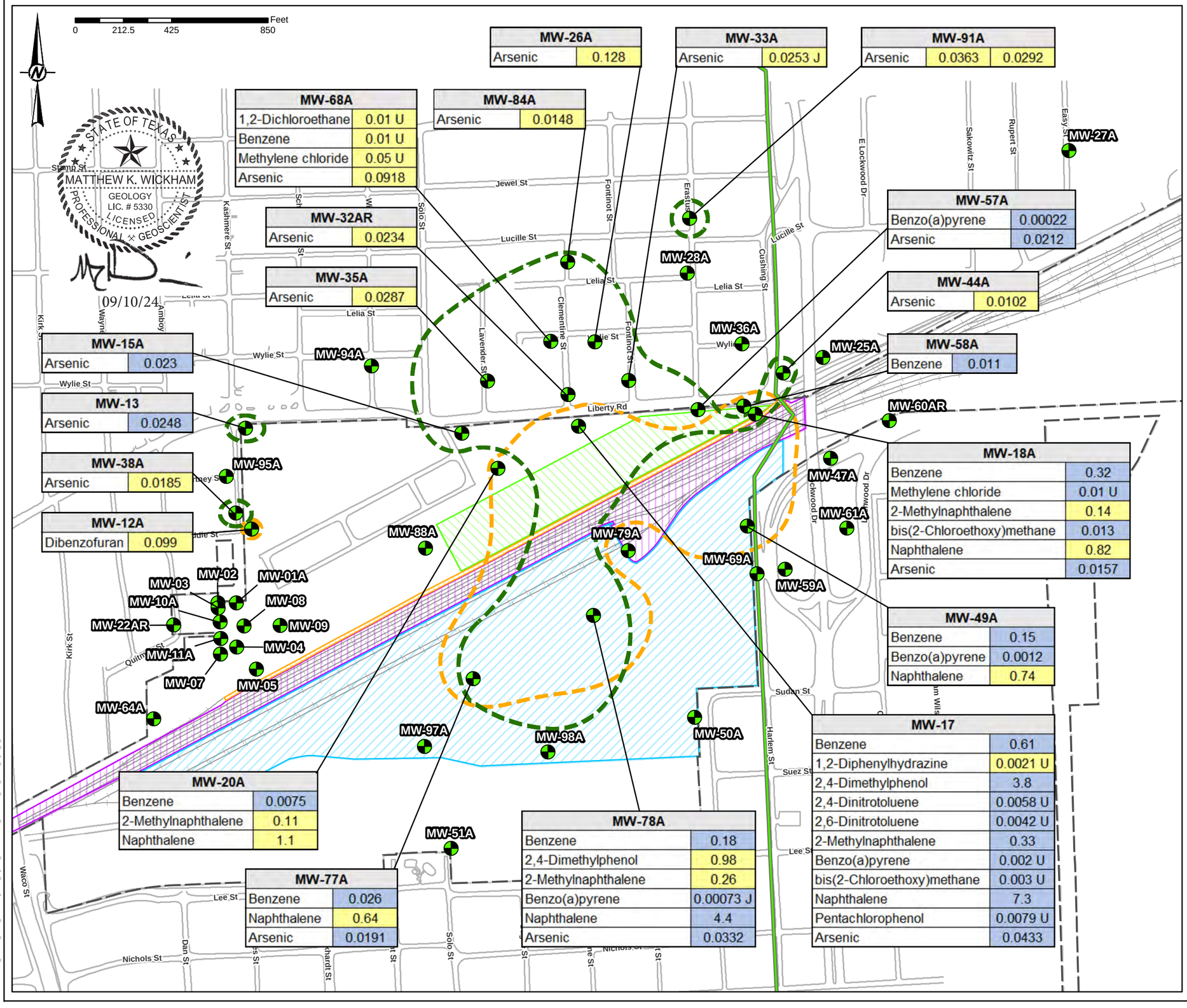
CONSULTANT
wsp
TEXAS GEOSCIENCE FIRM NO. 50561
TEXAS ENGINEERING FIRM NO. 2263

YYYY-MM-DD	2024-02-01
DESIGNED	AJD
PREPARED	AJD
REVIEWED	CM
APPROVED	ECM

PROJECT NO. 31406585.016 | REV. 0 | FIGURE 5

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

Path: \\golder.gds\complexdata\office\Texas\Karnal\Projects - Round Rock_20191119232 - HWPW0-Semi-Annual Monitoring Event\HWPW Figures\2023 - 2nd Semi-Annual\ | File Name: 004 Groundwater Gradient Map D-TZ - July 2023.dwg | Last Edited By: ajdiamond Date: 2024-02-01 Time:5:41:14 PM | Printed By: ajdiamond Date: 2024-02-01 Time:5:41:48 PM



LEGEND

- UPRR PROPERTY BOUNDARY
- ASPHALT CAP AREA
- CONCRETE CAP AREA
- RAILROAD BALLAST CAP AREA
- SOIL CAP
- RAILROAD
- A-TZ GW ARSENIC PCLE ZONE
- A-TZ GW PCLE ZONE
- 60" SANITARY SEWER LINE (~ 32.3 - 27.3 FT ELEVATION)
- A-TZ MONITORING WELL LOCATION

Parameter	RAL (mg/L)	C/I PCL (mg/L)
1,2-Dichloroethane	0.005	0.005
Benzene	0.005	0.005
Chlorobenzene	0.1	0.1
Ethylbenzene	0.7	0.7
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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - JULY 2023

CONSULTANT
wsp

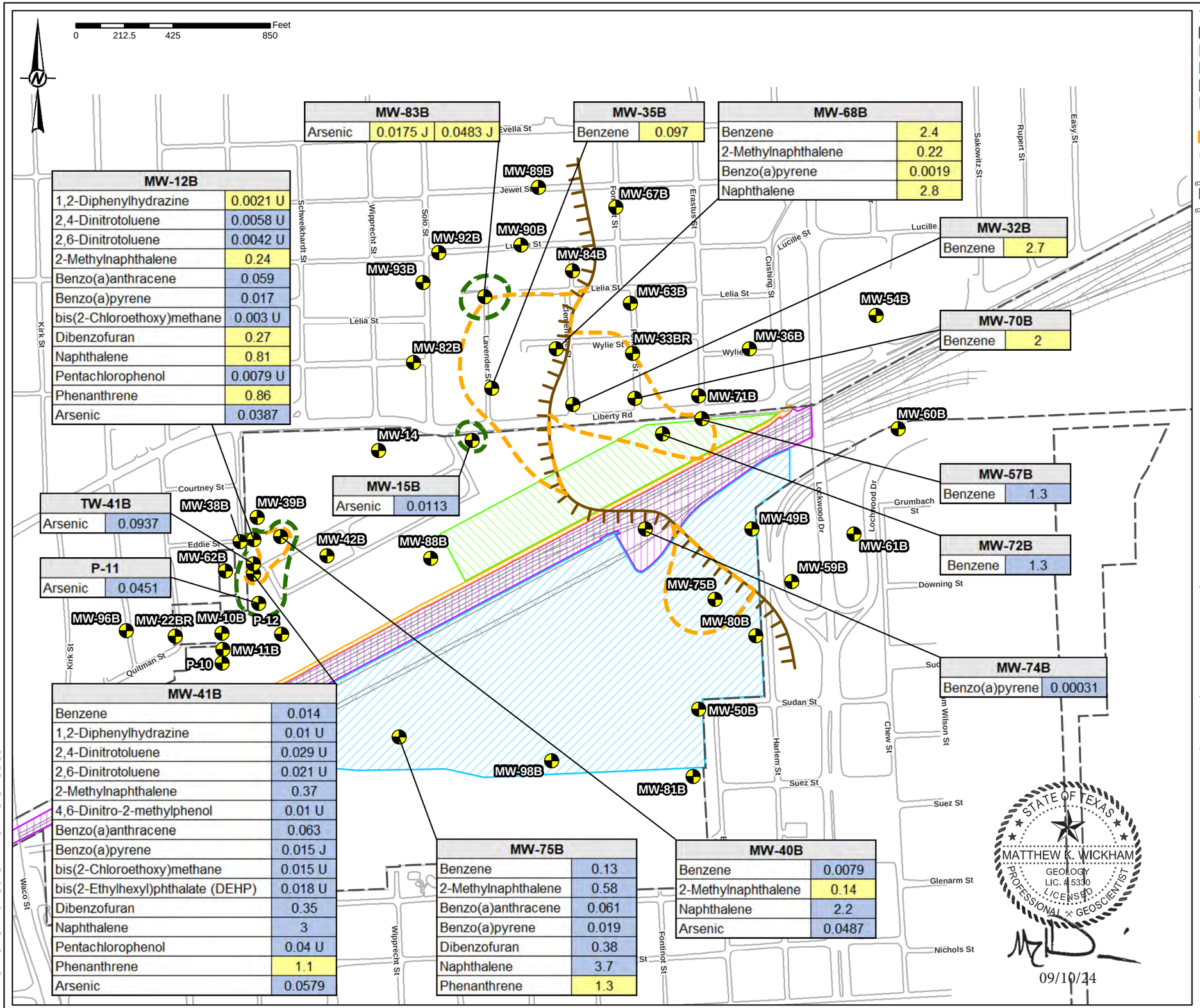
YYYY-MM-DD	2024-05-07
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
6

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_20240211\x17_31406585_016_UPRR_Fig06_A_TZ.mxd PRINTED ON: 2024-05-07 AT: 11:21:23 AM



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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-TZ / B-CZ - JULY 2023

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST
09/10/24

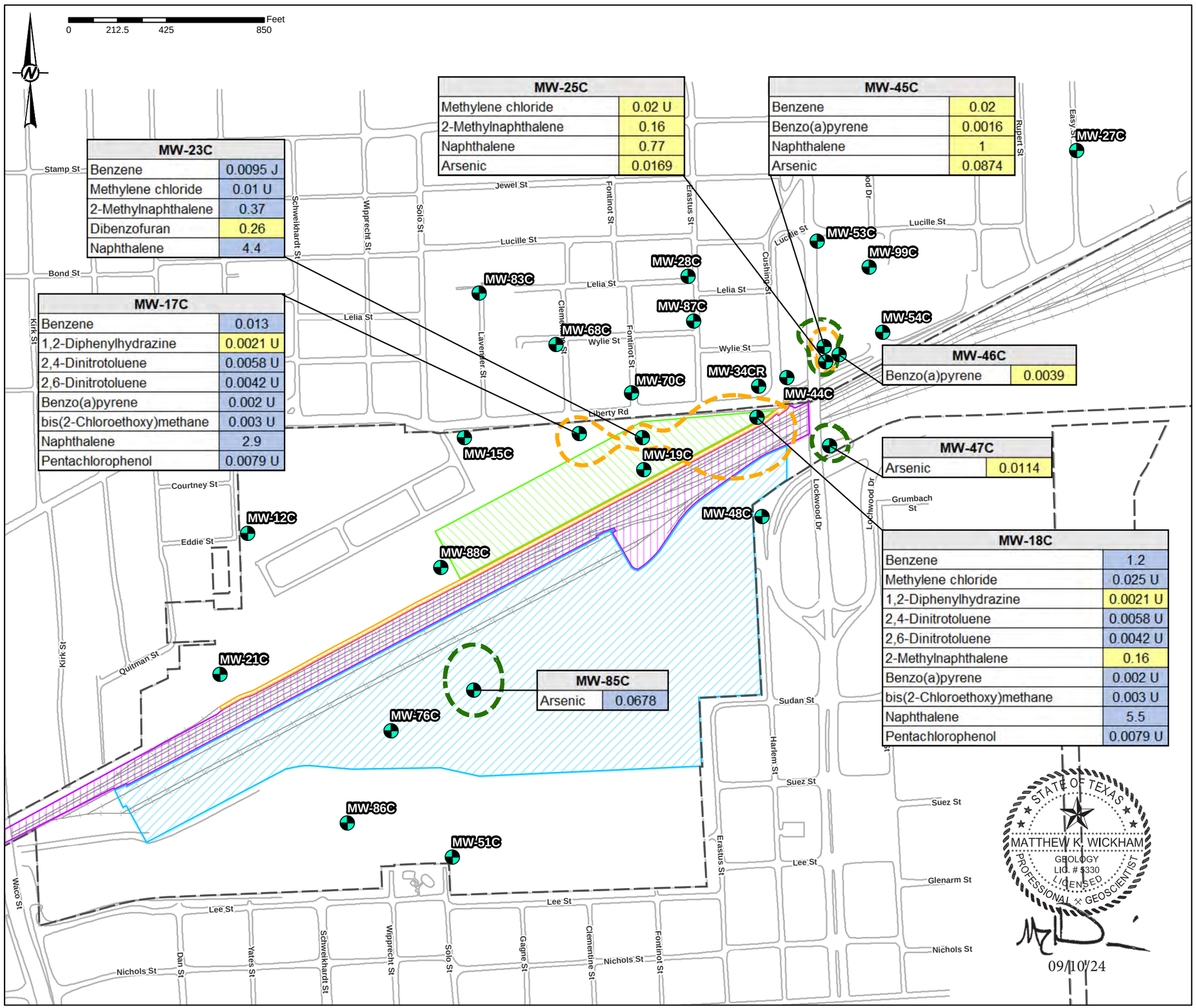
CONSULTANT
wsp

YYYY-MM-DD	2024-05-07
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO. 31406585.016
FIGURE 7

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_20240211\v17_31406585_016_UPRR_Fig07_B_TZ.mxd PRINTED ON: 2024-05-07 AT: 11:25:05 AM



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.

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CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - JULY 2023

CONSULTANT
wsp

YYYY-MM-DD	2024-05-07
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
8

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

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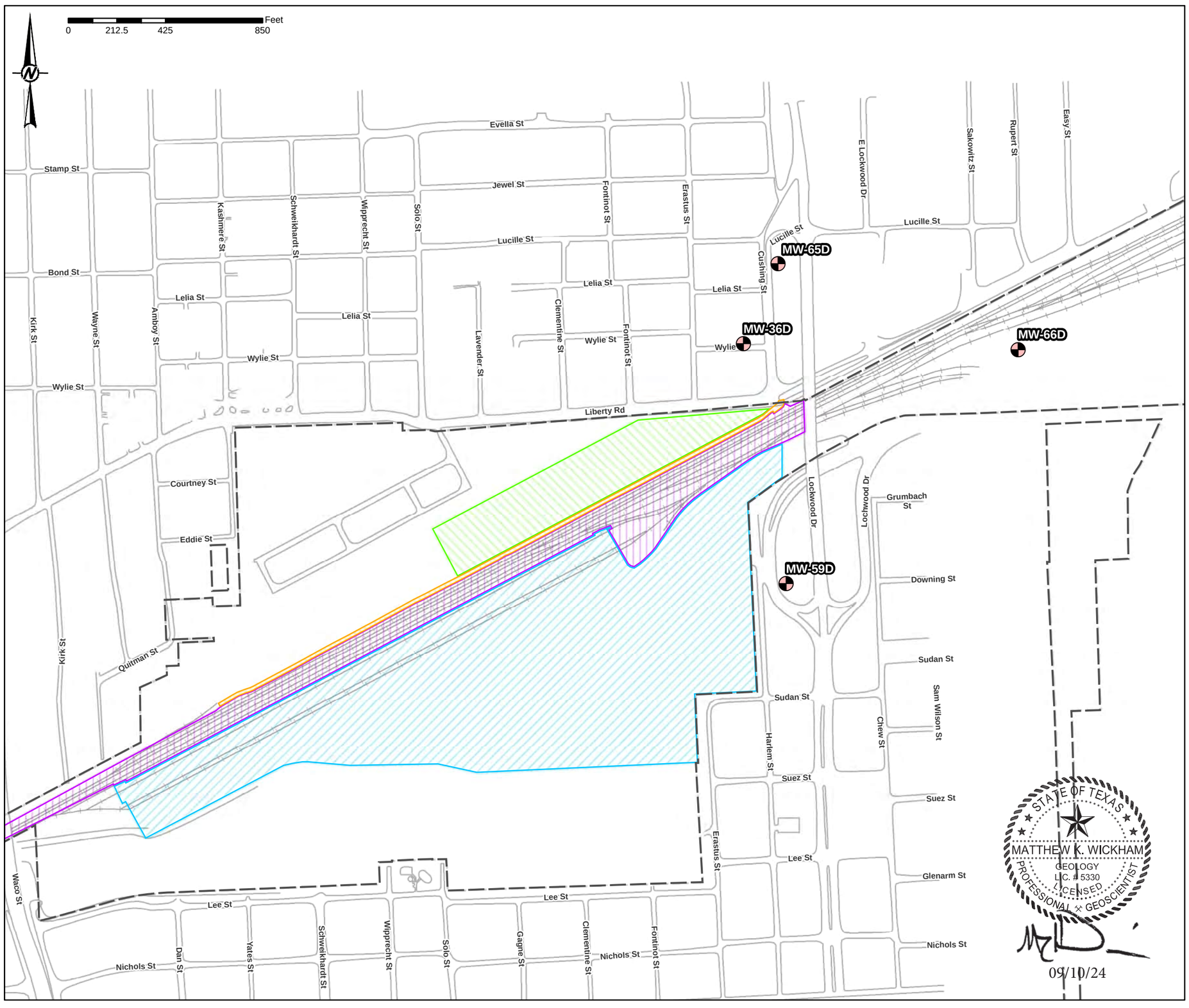

LEGEND

- UPRR PROPERTY BOUNDARY
- 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. 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.

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CLIENT
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PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
D-TZ - JULY 2023

CONSULTANT
wsp

YYYY-MM-DD	2024-02-15
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
9

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_2024\20211x17_31406585_016_UPRR_Fig09_D_TZ.mxd PRINTED ON: 2024-02-15 AT: 10:39:37 AM

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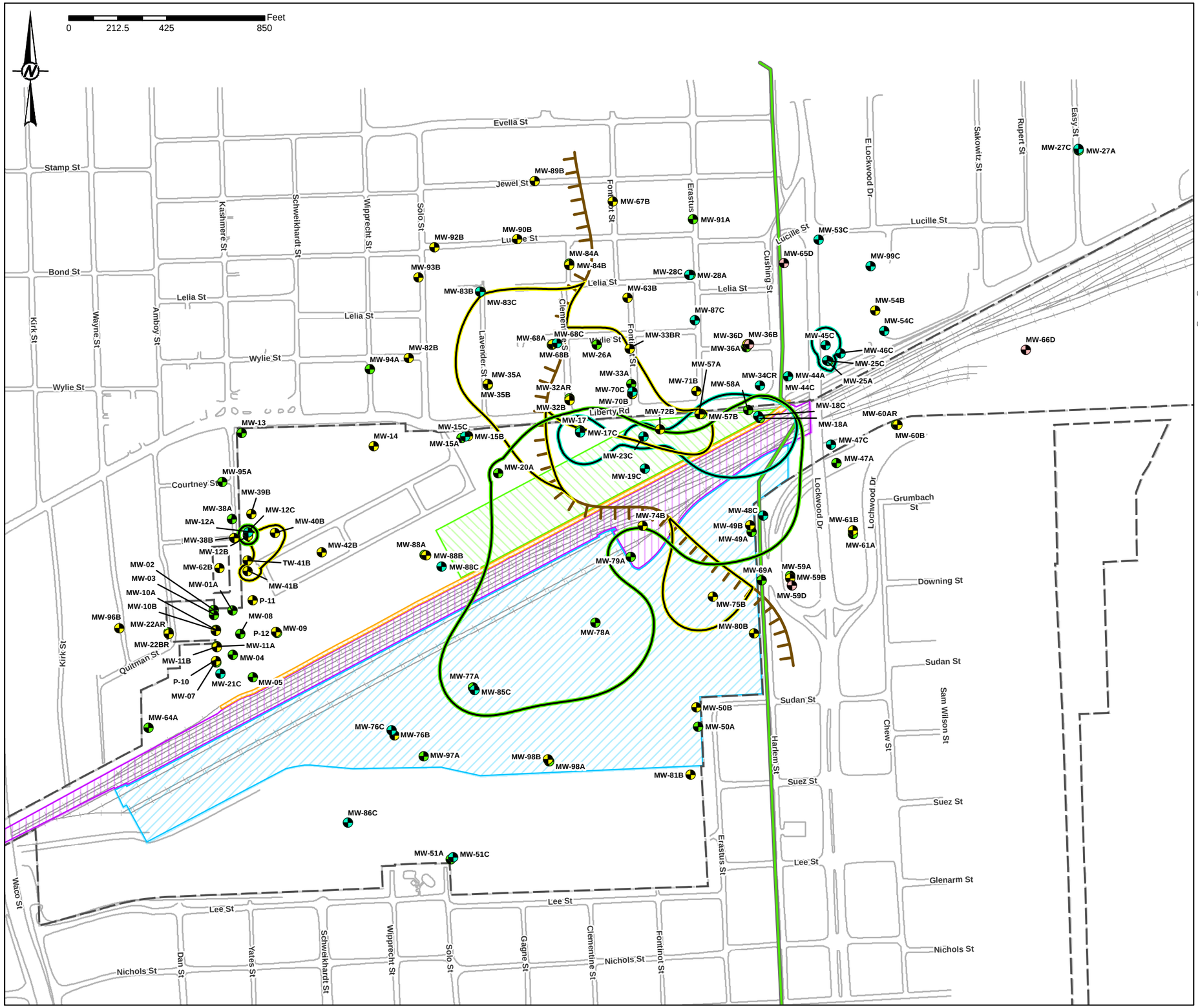

LEGEND

- 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 CUMULATIVE GW PCLE ZONE
- B ZONE CUMULATIVE GW PCLE ZONE
- C ZONE CUMULATIVE GW PCLE ZONE
- B-TZ / B-CZ BOUNDARY (B-CZ (CLASS 3 GW); B-TZ (CLASS 2 GW))

STATE OF TEXAS
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09/10/24

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 (JANUARY 2023).

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
CUMULATIVE GROUNDWATER PCLE ZONES - JULY 2023

CONSULTANT
wsp

YYYY-MM-DD	2024-03-08
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
10

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

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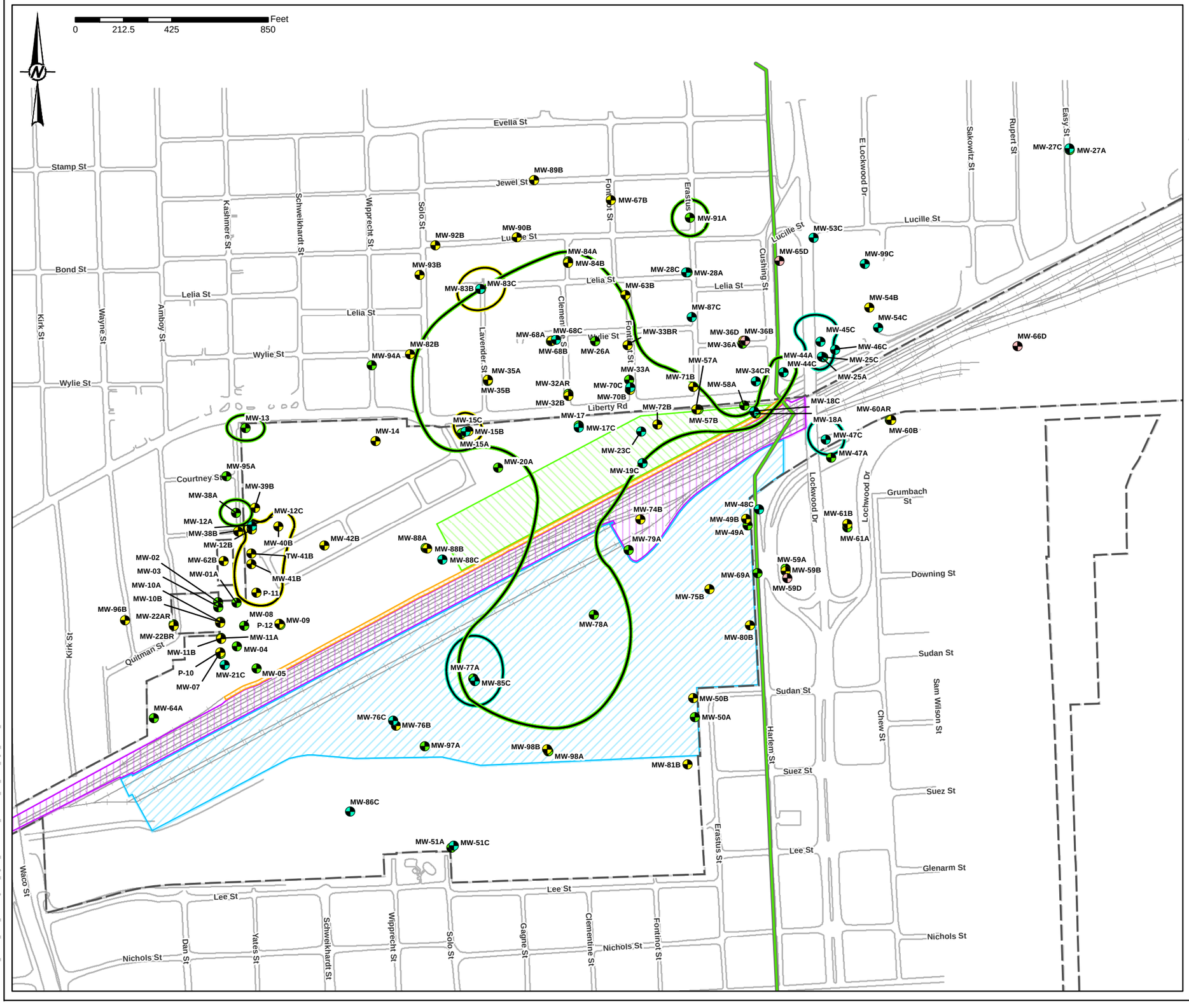

LEGEND

- UPRR PROPERTY BOUNDARY
- 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

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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 (JANUARY 2023).

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
ARSENIC PCLE ZONES - JULY 2023

CONSULTANT
wsp

YYYY-MM-DD	2024-03-08
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
11

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_2024\20131417_31406585_016_UPRR_Fig11_Arsenic_PCLE.mxd PRINTED ON: 2024-03-08 AT: 10:06:08 AM

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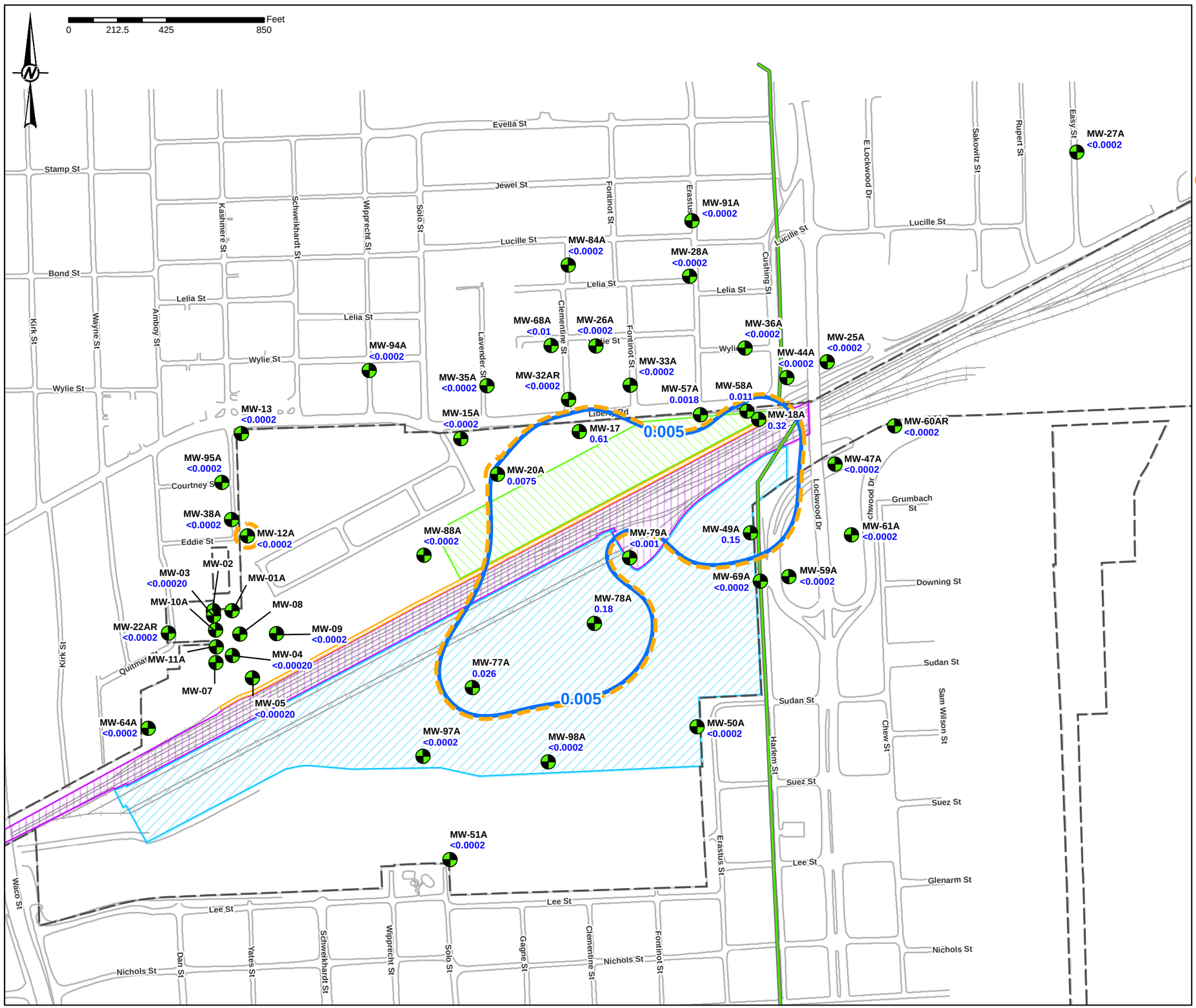

LEGEND

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

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - BENZENE - JULY 2023

CONSULTANT
wsp

YYYY-MM-DD	2024-03-08
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
12

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20240311x17_31406585_016_UPRR_Fig12_A_Benzene.mxd PRINTED ON: 2024-03-08 AT: 10:12:48 AM

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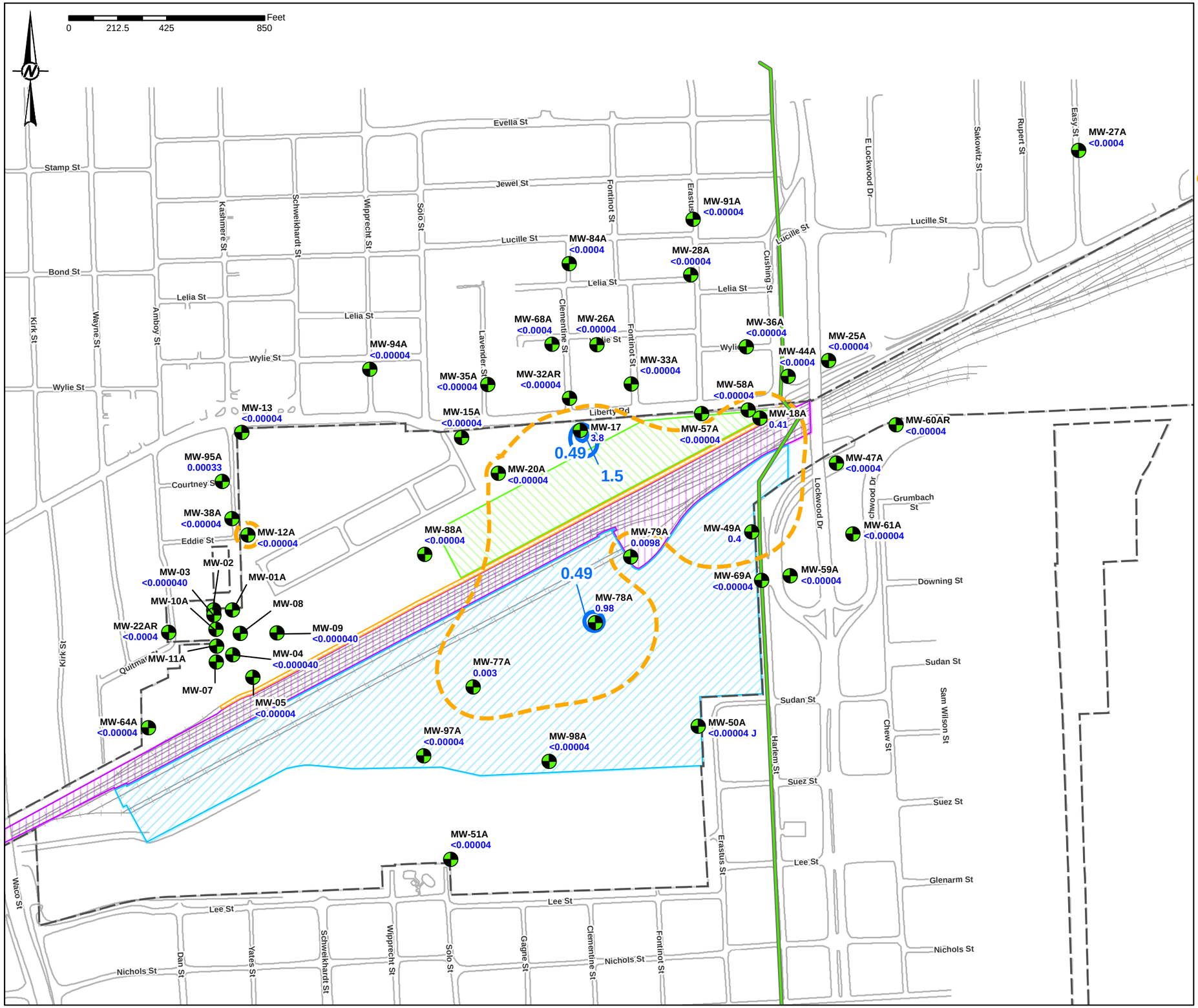

LEGEND

- 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

STATE OF TEXAS
MATTHEW K. WICKHAM
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LICENSED PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - 2,4-DIMETHYLPHENOL - JULY 2023

CONSULTANT
wsp

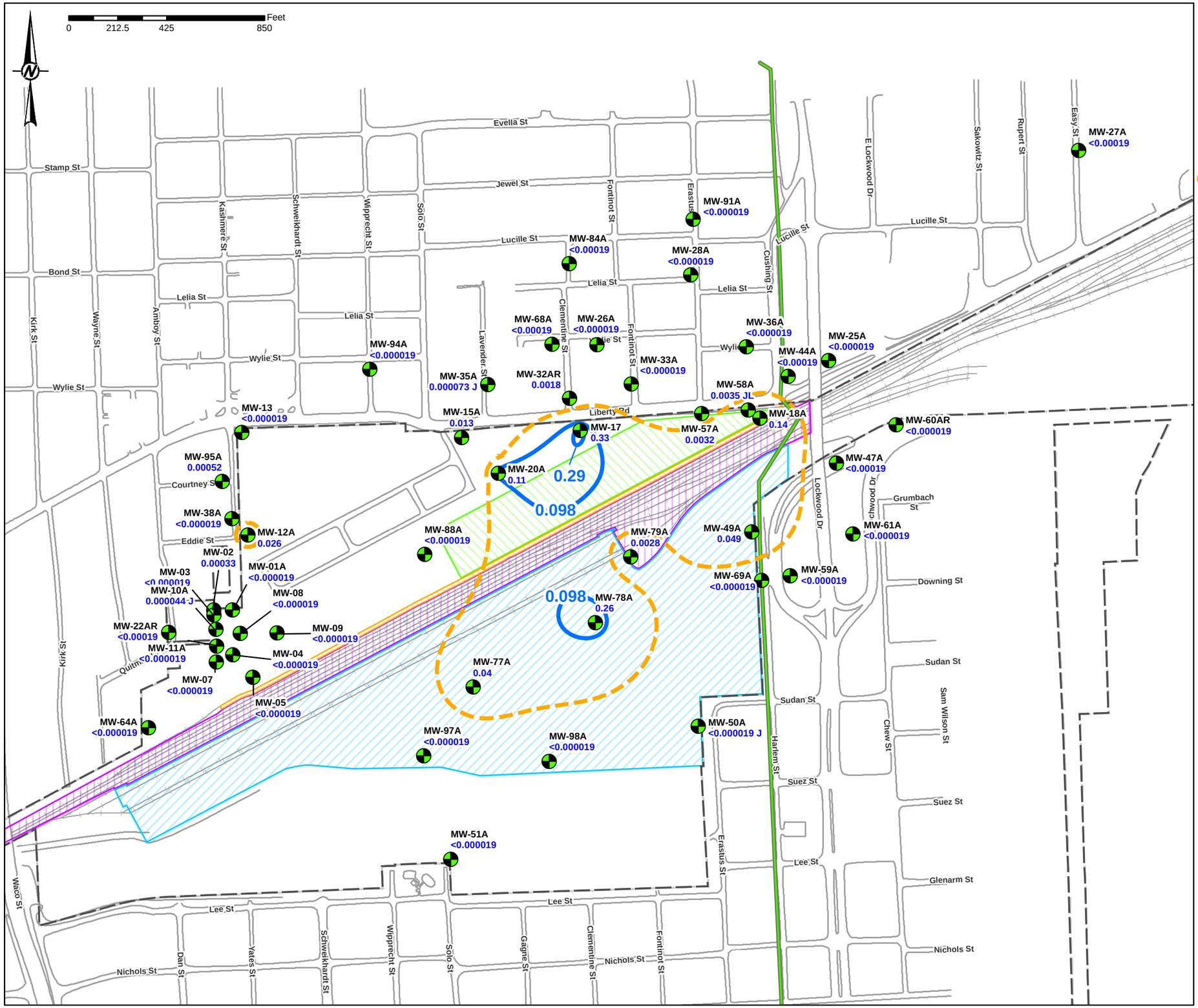
YYYY-MM-DD	2024-03-08
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
13

PATH: M:\U\PRR_Houston Wood_Preserving\COC_Figures_20240211\17_31406585_016_UPRR_Fig13_A_2_4_Dimethylphenol.mxd PRINTED ON: 2024-03-08 AT: 10:12:33 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
- 60" SANITARY SEWER LINE (~ 32.3 - 27.3 FT ELEVATION)
- 2 - METHYLNAPHTHALENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- A-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - 2-METHYLNAPTHALENE - JULY 2023

CONSULTANT

YYYY-MM-DD	2024-03-08
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
14

PATH: M:\U\PRR_Houston Wood_Preserving\COC_Figures_20240211x17_31406585_016_UPRR_Fig14_A_Z_Methylnaphthalene.mxd PRINTED ON: 2024-03-08 AT: 10:12:18 AM

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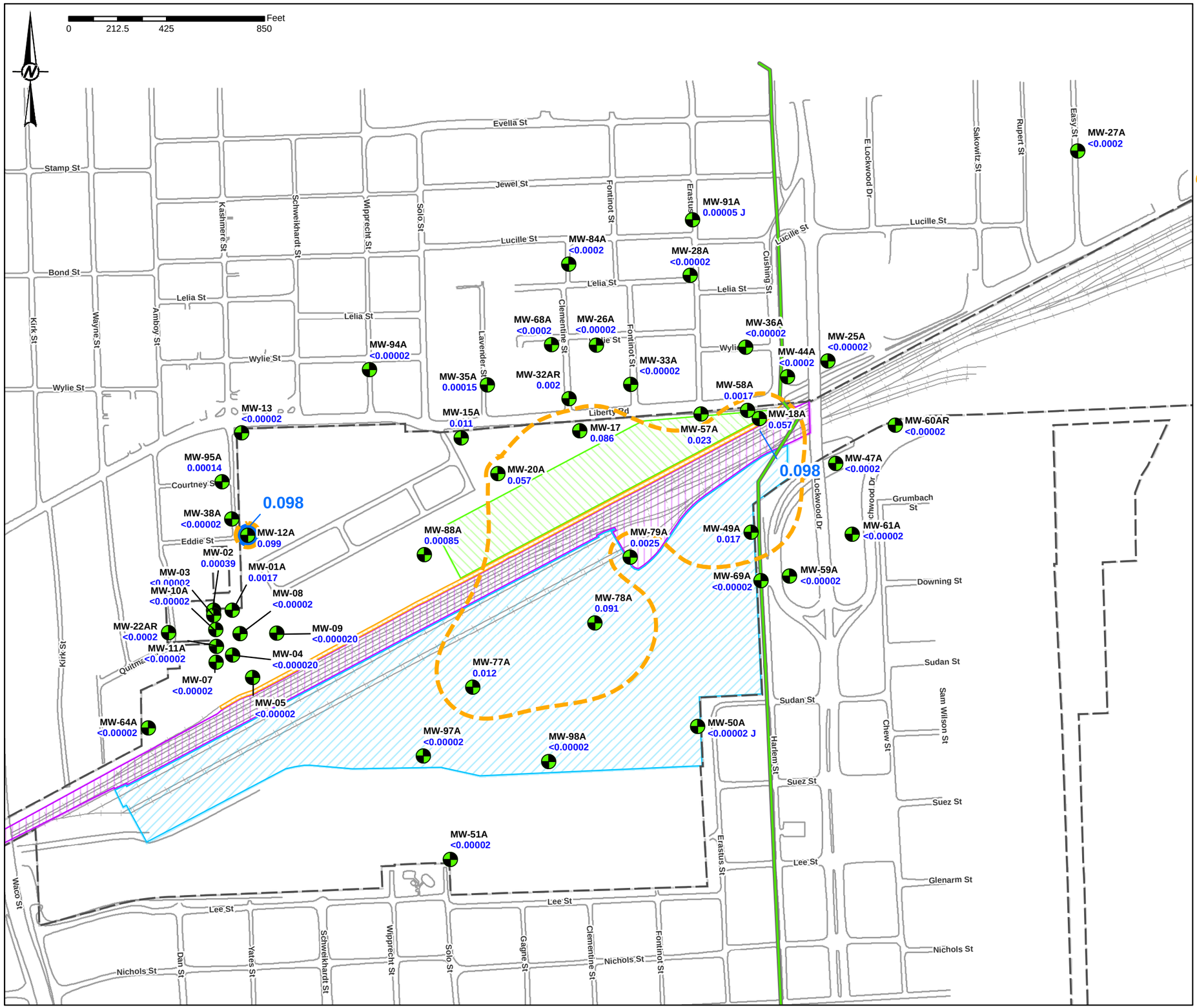

LEGEND

- 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

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - DIBENZOFURAN - JULY 2023

CONSULTANT
wsp

YYYY-MM-DD	2024-03-08
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
15

PATH: M:\UPRR_Houstn_Wood_Preserving\COC_Figures_20240211\v17_31406585_016_UPRR_Fig15_A_Dibenzofuran.mxd PRINTED ON: 2024-03-08 AT: 10:11:59 AM

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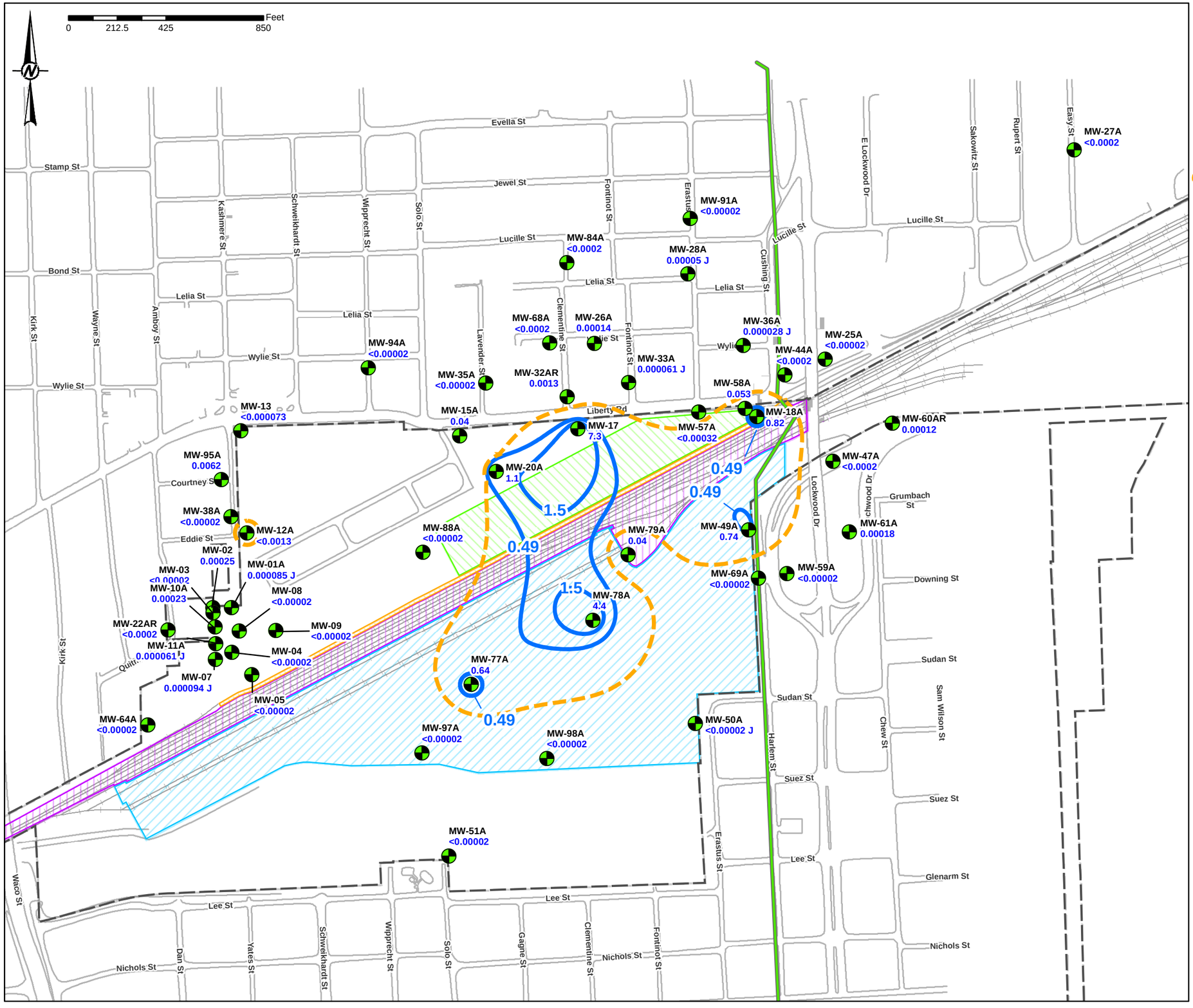

LEGEND

- 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

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - NAPTHALENE - JULY 2023

CONSULTANT
wsp

YYYY-MM-DD	2024-03-08
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
16

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20240211x17_31406585_016_UPRR_Fig16_A_Napthalene.mxd PRINTED ON: 2024-03-08 AT: 10:11:35 AM

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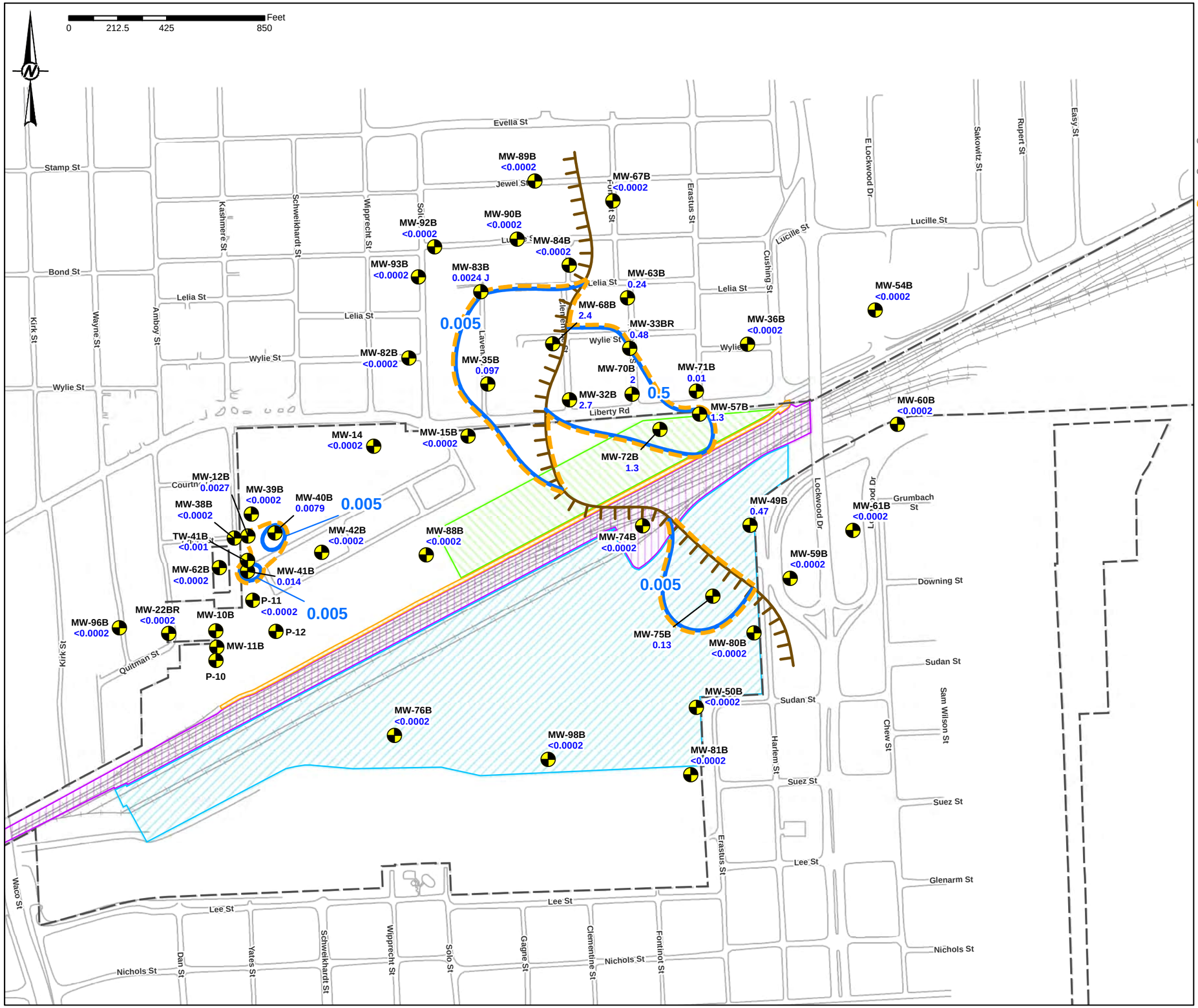

LEGEND

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

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-CZ/B-TZ - BENZENE - JULY 2023

CONSULTANT
wsp

YYYY-MM-DD	2024-02-15
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
17

PATH: H:\UPRR_Houston_Wood_Preserving\COC_Figures_2024\02\11x17_31406585_016_UPRR_Fig17_B_Benzene.mxd PRINTED ON: 2024-02-15 AT: 10:43:46 AM

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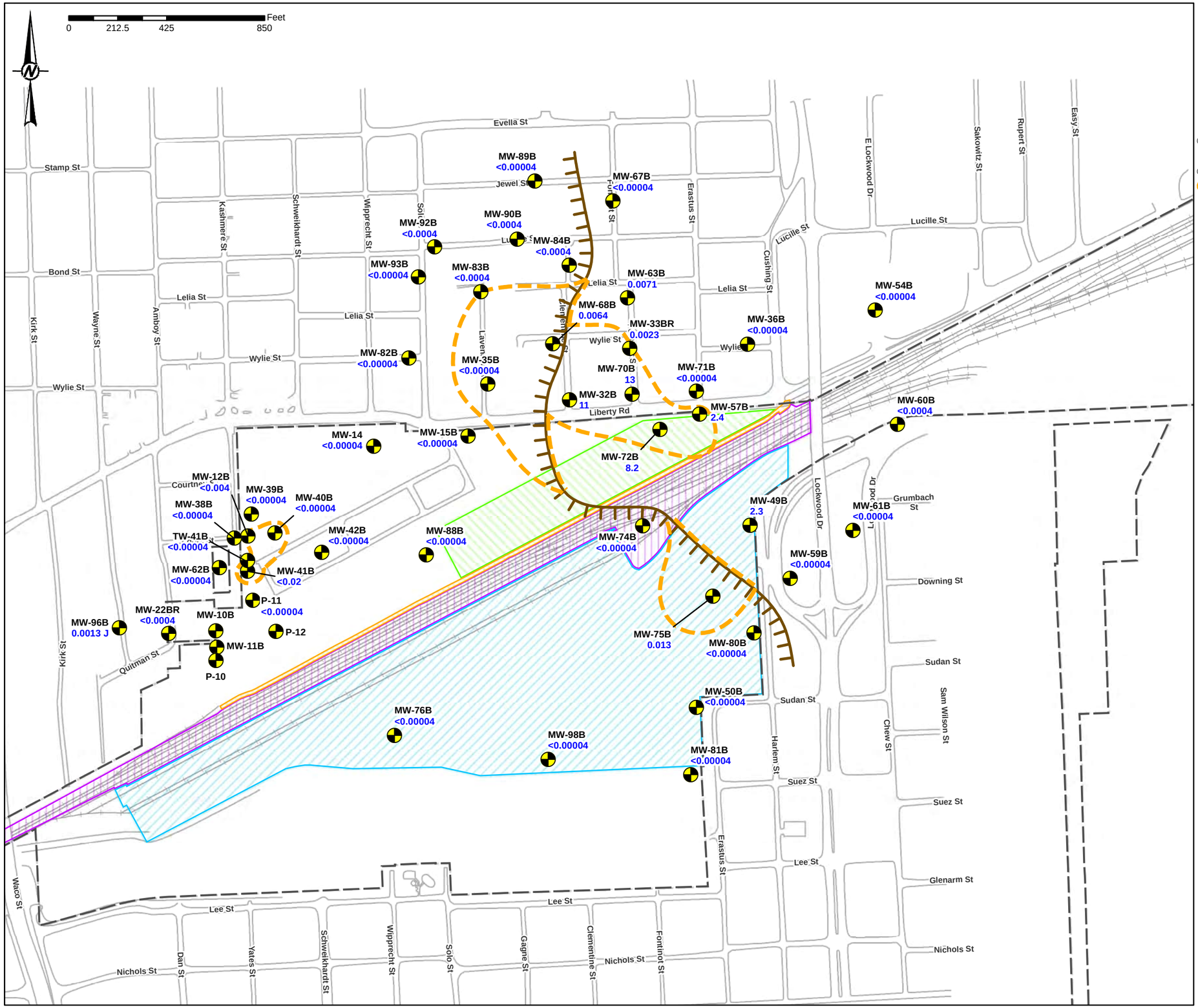

LEGEND

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

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-CZ/B-TZ - 2,4-DIMETHYLPHENOL - JULY 2023

CONSULTANT

YYYY-MM-DD	2024-02-15
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO. 31406585.016

FIGURE 18

PATH: H:\UPRR_Houston_Wood_Preserving\COC_Figures_2024\02\11x17_31406585_016_UPRR_Fig18_B_2_4_Dimethylphenol.mxd PRINTED ON: 2024-02-15 AT: 10:45:14 AM

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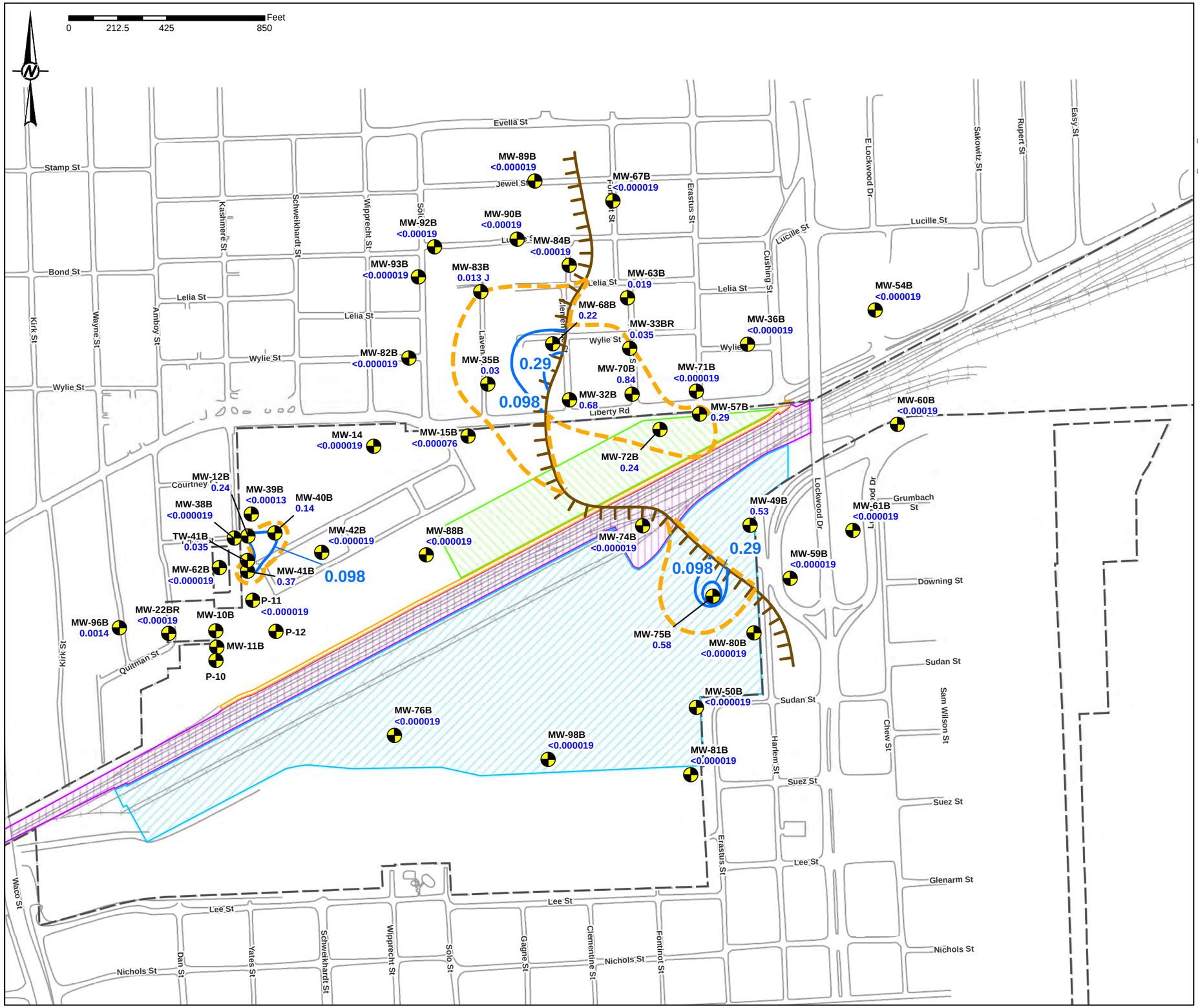

LEGEND

- 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))
- 2 - METHYLNAPHTHALENE CONCENTRATION CONTOUR
- B-TZ AND B-CZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST

09/10/24

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 - 2-METHYLNAPTHALENE - JULY 2023

CONSULTANT
wsp

YYYY-MM-DD	2024-02-15
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
19

PATH: H:\UPRR_Houston_Wood_Preserving\COC_Figures_2024\02\11x17_31406585_016_UPRR_Fig19_B_2_Methylnaphtalene.mxd PRINTED ON: 2024-02-15 AT: 10:45:40 AM

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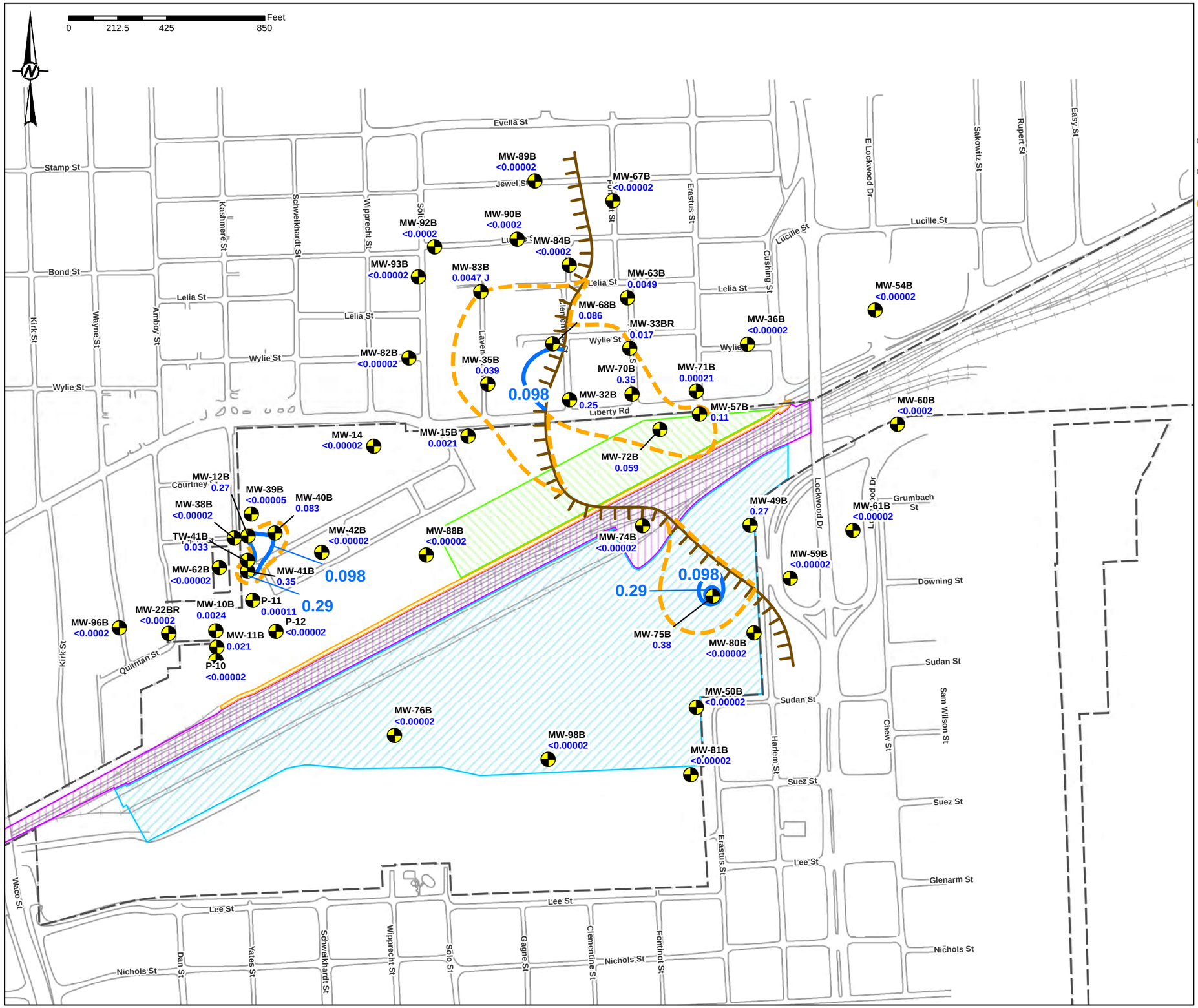

LEGEND

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

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED PROFESSIONAL GEOSCIENTIST

09/10/24

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 2023

CONSULTANT
wsp

YYYY-MM-DD	2024-02-15
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
20

PATH: H:\UPRR_Houstn_Wood_Preserving\COC_Figures_2024\02\11x17_31406585_016_UPRR_Fig20_B_Dibenzofuran.mxd PRINTED ON: 2024-02-15 AT: 10:45:56 AM

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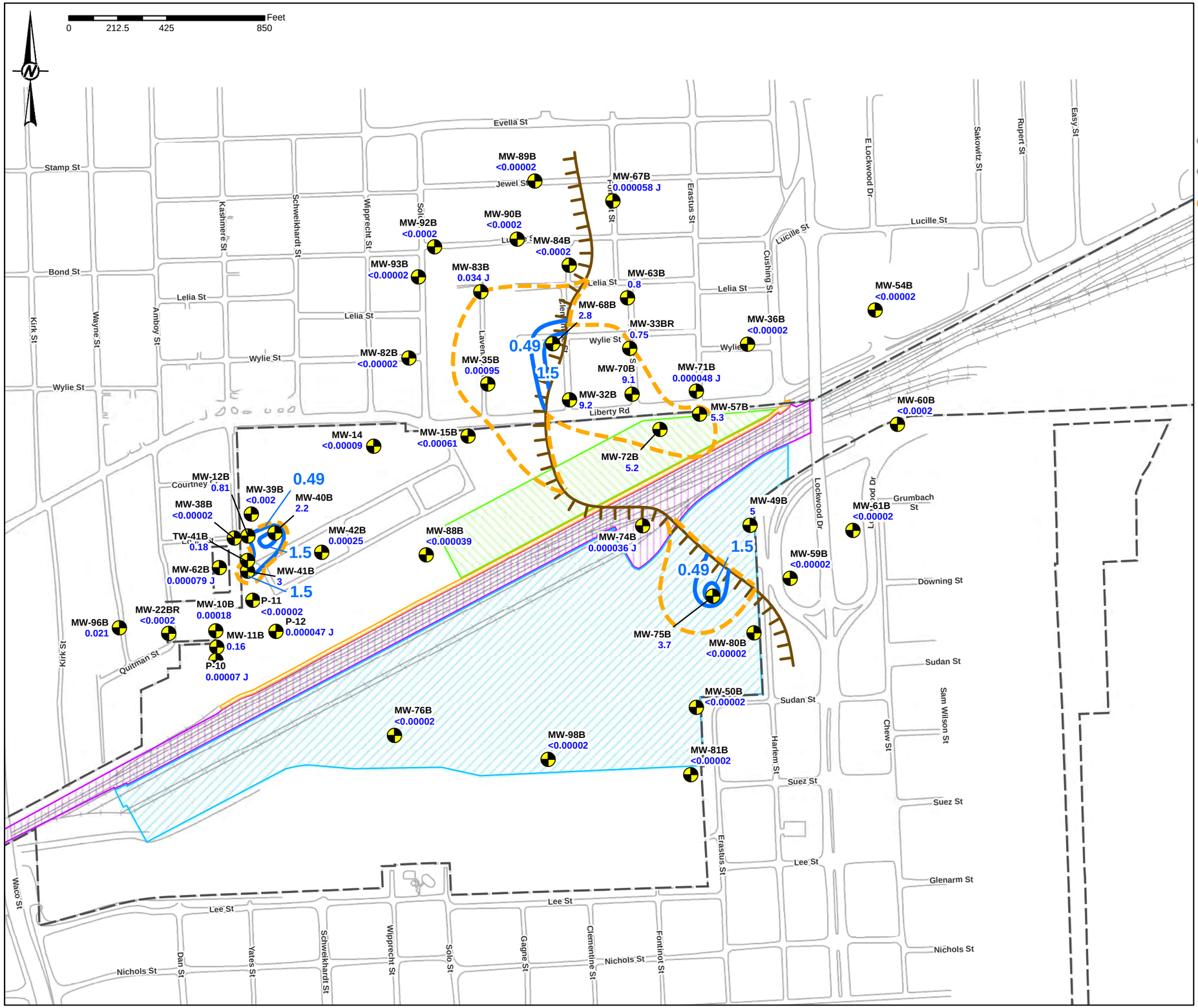

LEGEND

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

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
B-CZ/B-TZ - NAPTHALENE - JULY 2023

CONSULTANT
wsp

YYYY-MM-DD	2024-02-15
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
21

PATH: H:\UPRR_Houston_Wood_Preserving\COC_Figures_2024\02\11x17_31406585_016_UPRR_Fig21_B_Napthalene.mxd PRINTED ON: 2024-02-15 AT 10:46:13 AM

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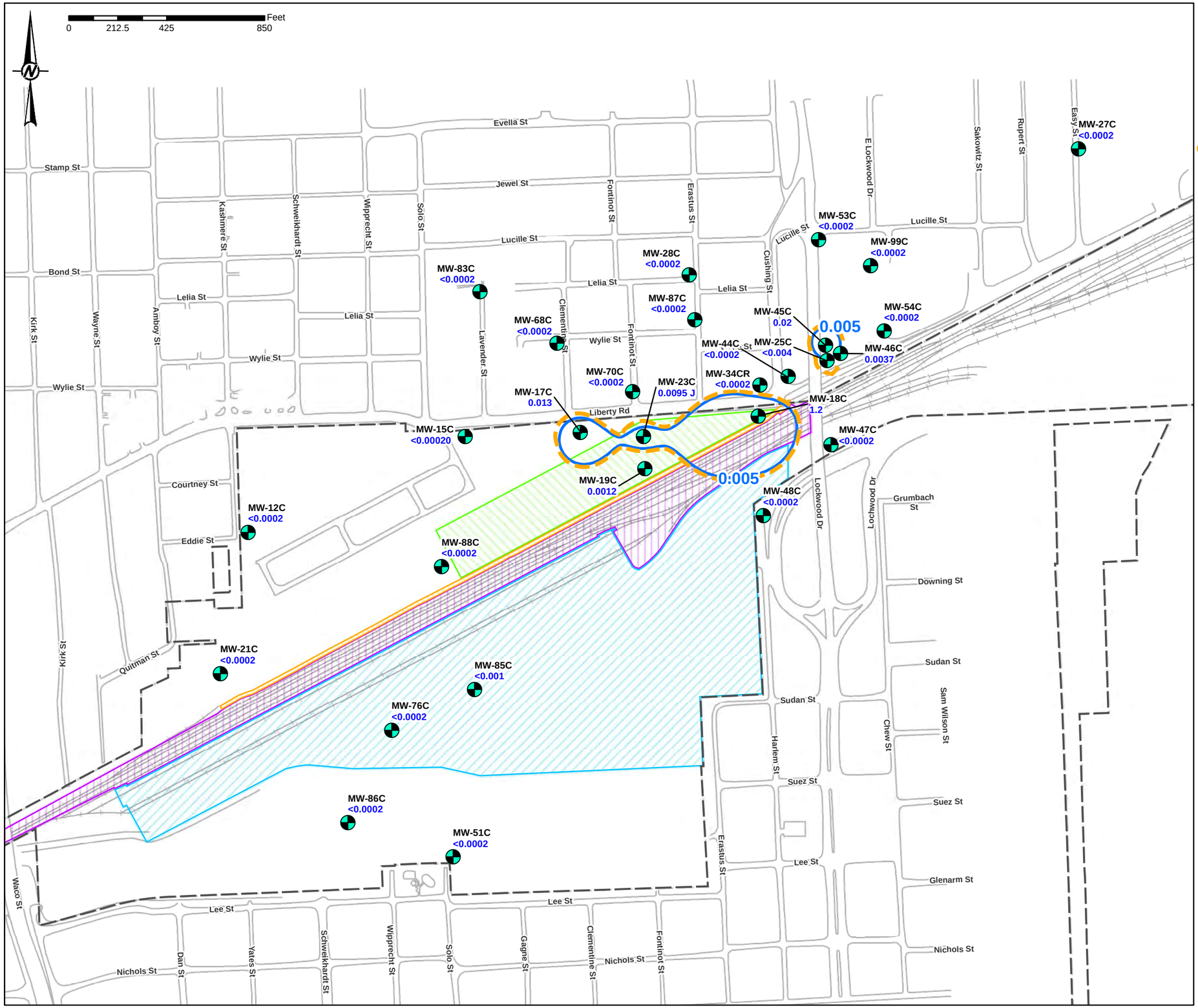

LEGEND

- 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

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - BENZENE - JULY 2023

CONSULTANT

wsp

YYYY-MM-DD	2024-02-15
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
22

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20240211\17_31406585_016_UPRR_Fig22_C_Benzene.mxd PRINTED ON: 2024-02-15 AT: 10:46:29 AM

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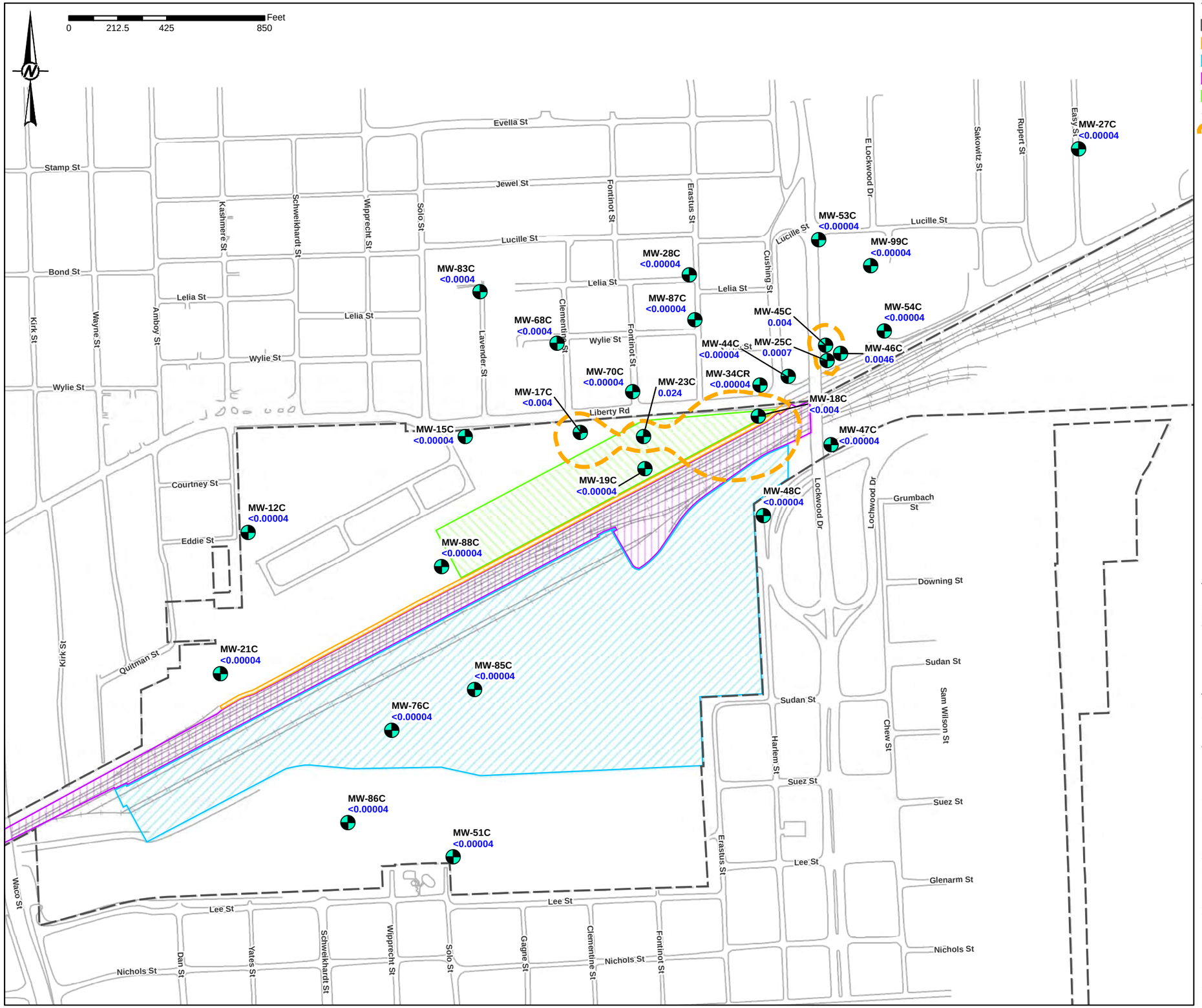


LEGEND

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

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - 2,4-DIMETHYLPHENOL - JULY 2023

CONSULTANT
wsp

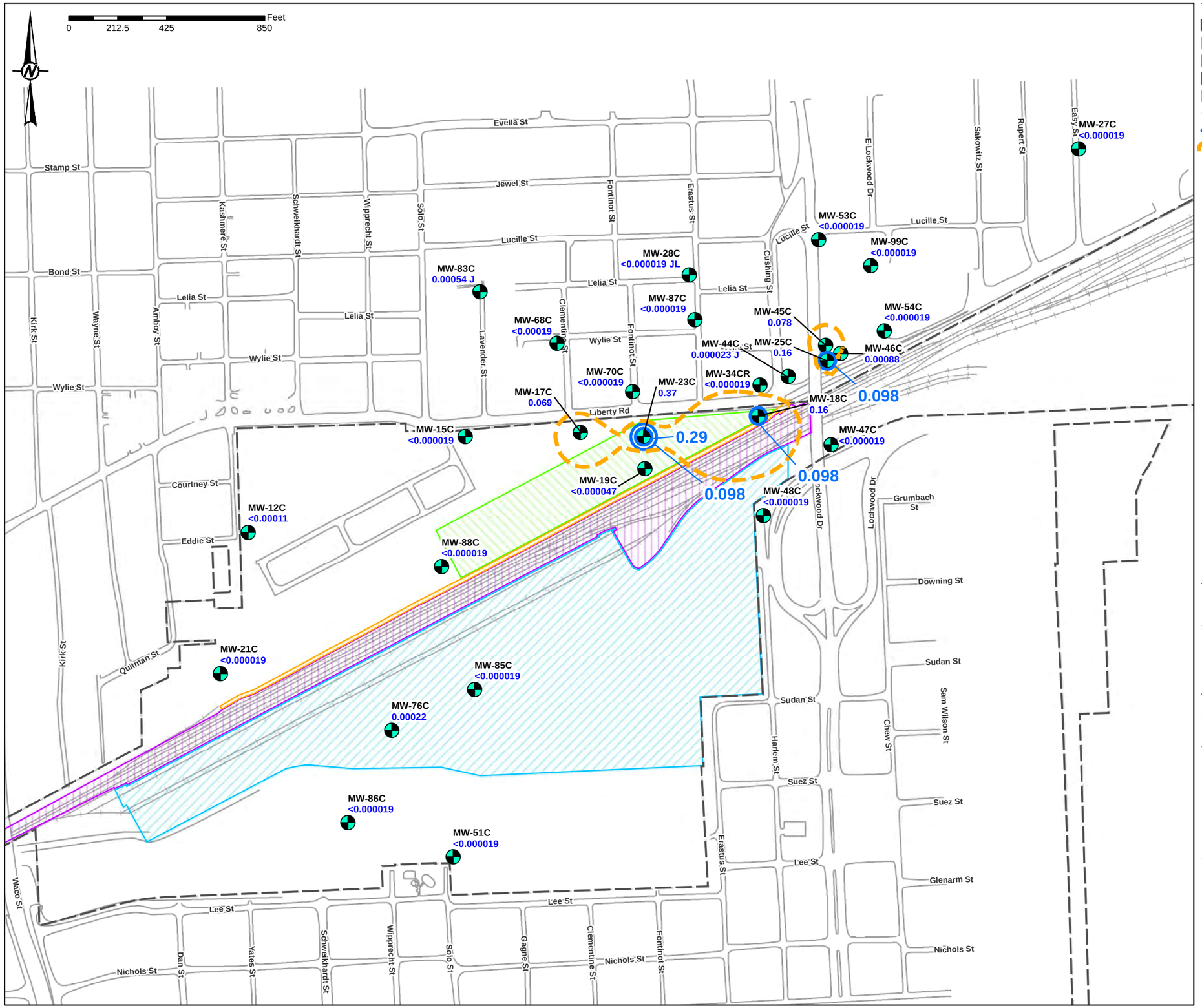
YYYY-MM-DD	2024-02-15
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
23

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_2024\20131417_31406585_016_UPRR_Fig23_C_2_4_Dimethylphenol.mxd PRINTED ON: 2024-02-15 AT: 10:47:08 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
- 2 - METHYLNAPHTHALENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- C-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - 2-METHYLNAPTHALENE - JULY 2023

CONSULTANT
wsp

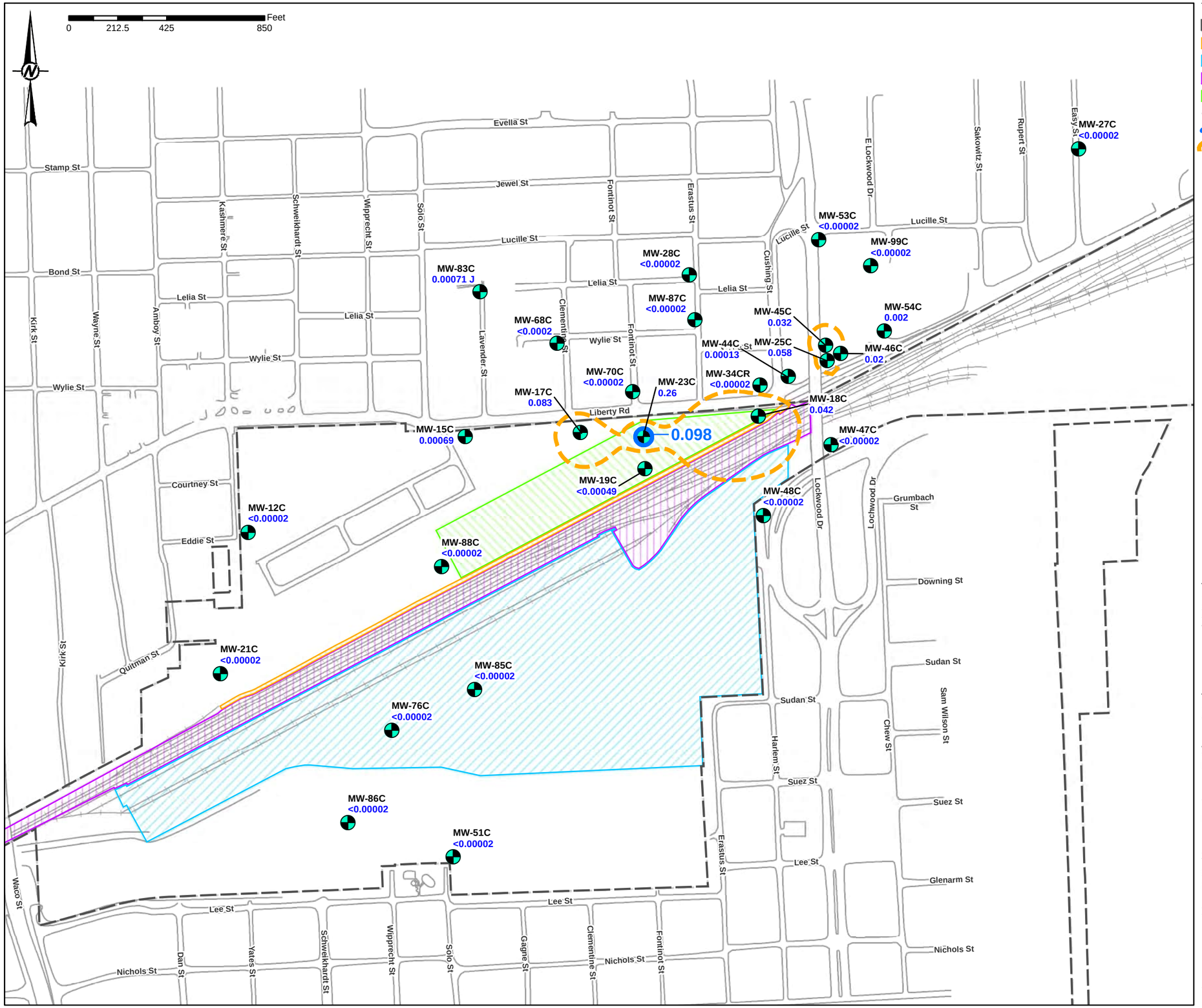
YYYY-MM-DD	2024-02-15
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
24

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_20240211\17_31406585_016_UPRR_Fig24_C_2_Methylnaphthalene.mxd PRINTED ON: 2024-02-15 AT: 10:47:29 AM



STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - DIBENZOFURAN - JULY 2023

CONSULTANT

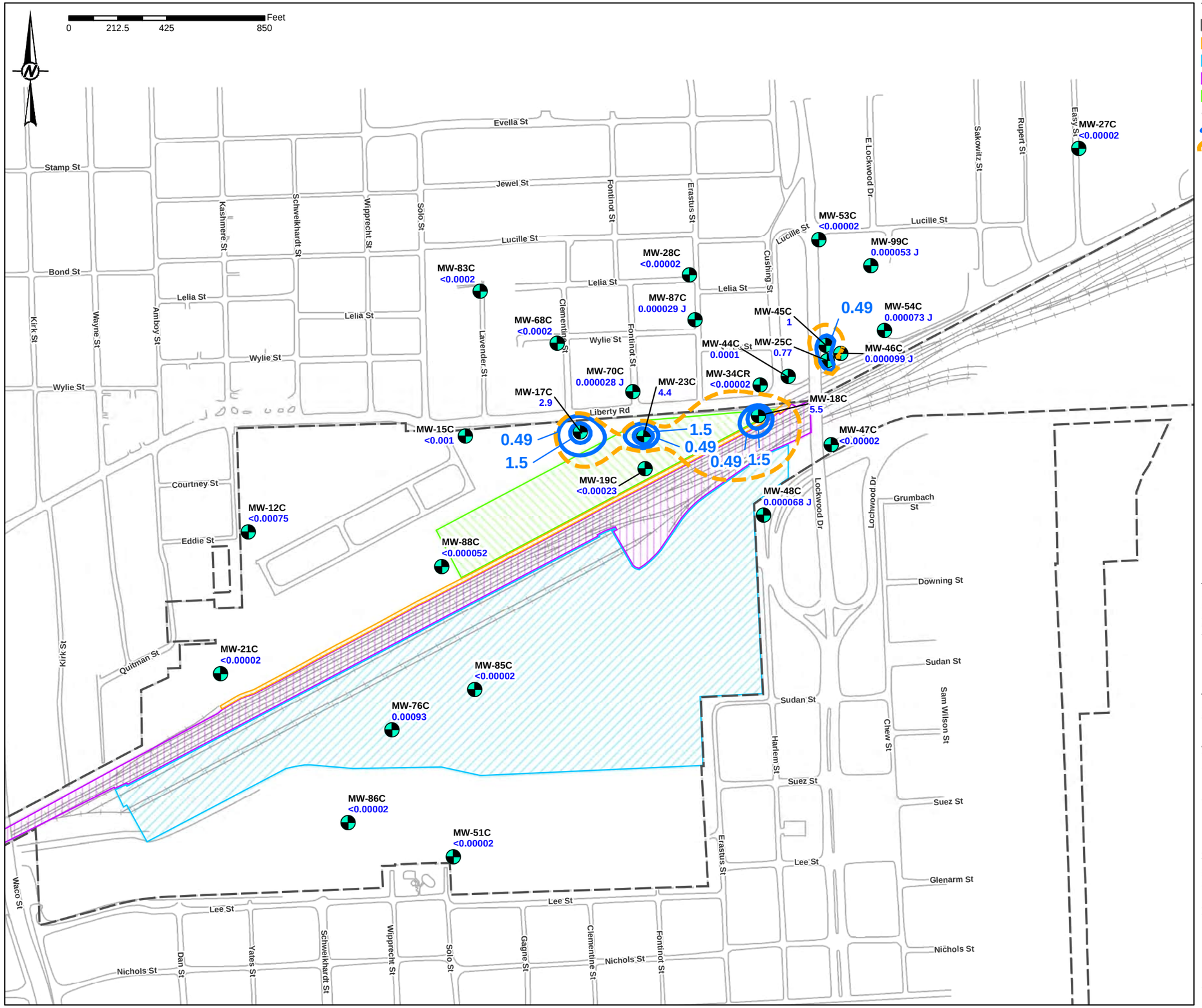
YYYY-MM-DD	2024-02-15
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
25

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20240201\17_31406585_016_UPRR_Fig25_C_Dibenzofuran.mxd PRINTED ON: 2024-02-15 AT: 10:47:48 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
- NAPTHALENE CONCENTRATION CONTOUR
- CUMULATIVE GW PCLE ZONE
- C-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - NAPTHALENE - JULY 2023

CONSULTANT

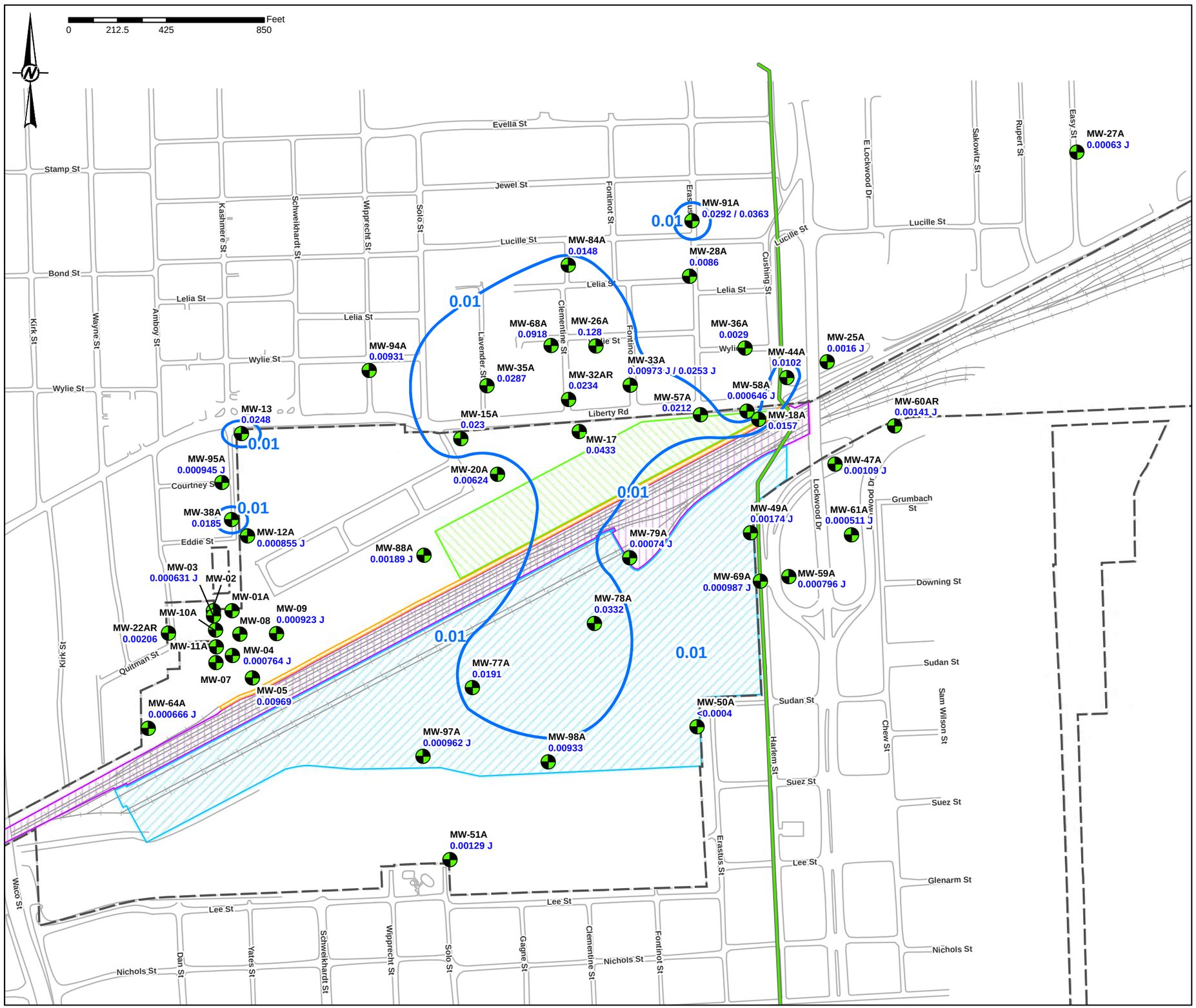
YYYY-MM-DD	2024-02-13
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
26

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20240213\17_31406585_016_UPRR_Fig26_C_Napthalene.mxd PRINTED ON: 2024-02-15 AT: 10:48:04 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
- 60" SANITARY SEWER LINE (~ 32.3 - 27.3 FT ELEVATION)
- ARSENIC CONCENTRATION CONTOUR
- A-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
A-TZ - ARSENIC - JULY 2023

CONSULTANT
wsp

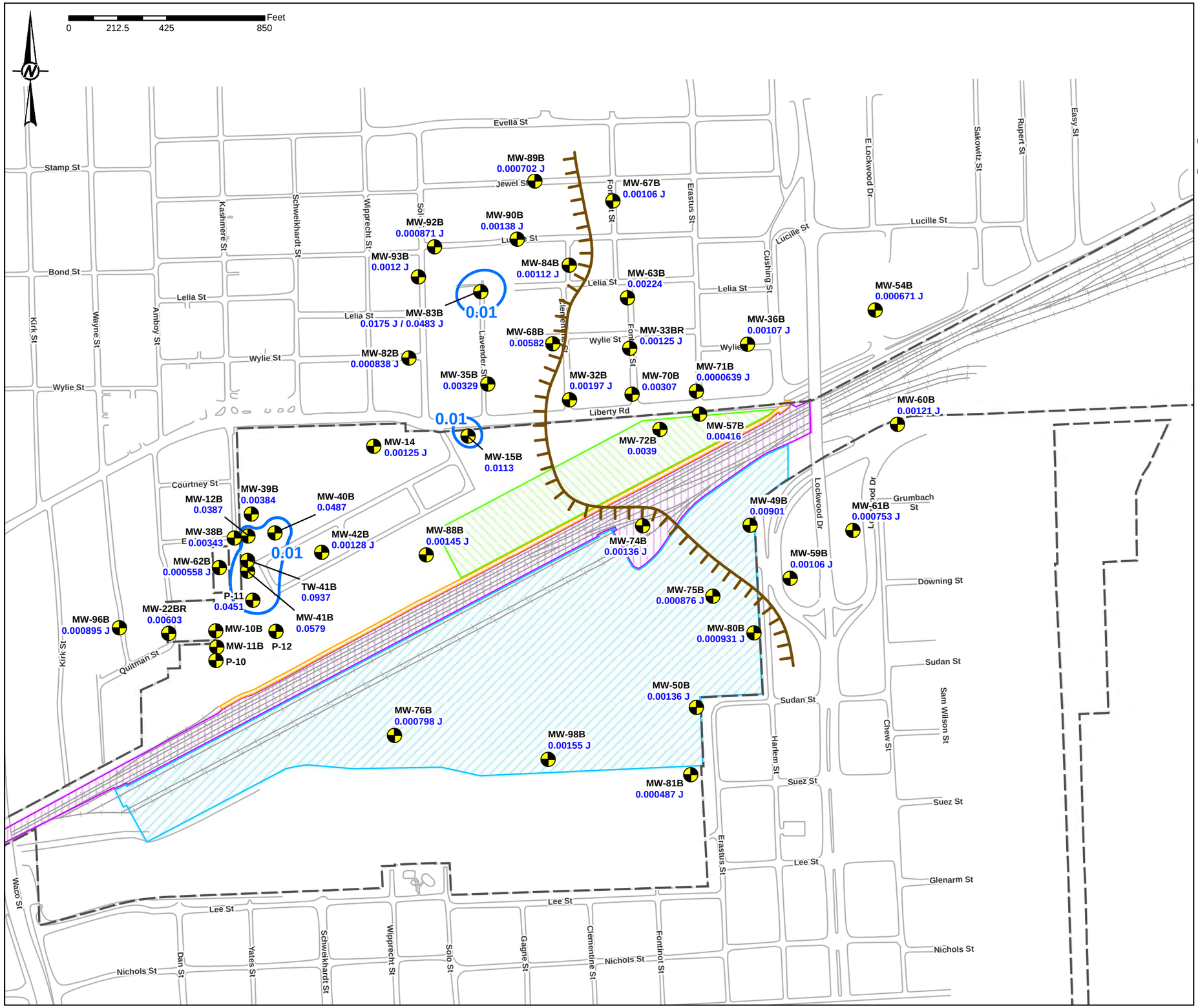
YYYY-MM-DD	2024-02-15
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
27

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_20240211\17_31406585_016_UPRR_Fig27_A_Arsenic.mxd PRINTED ON: 2024-02-15 AT: 10:48:23 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
- ARSENIC CONCENTRATION CONTOUR
- B-TZ AND B-CZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED PROFESSIONAL GEOSCIENTIST

09/10/24

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:
   CLASS 2 GW PCL: 0.01 MG/L
   CLASS 3 GW PCL: 1 MG/L
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-TZ - ARSENIC - JULY 2023

CONSULTANT

YYYY-MM-DD	2024-02-15
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO. 31406585.016

FIGURE 28

PATH: H:\UPRR_Houstn_Wood_Preserving\COC_Figures_2024\02\11\x17_31406585_016_UPRR_Fig28_B_Arsenic.mxd PRINTED ON: 2024-02-15 AT: 10:48:44 AM

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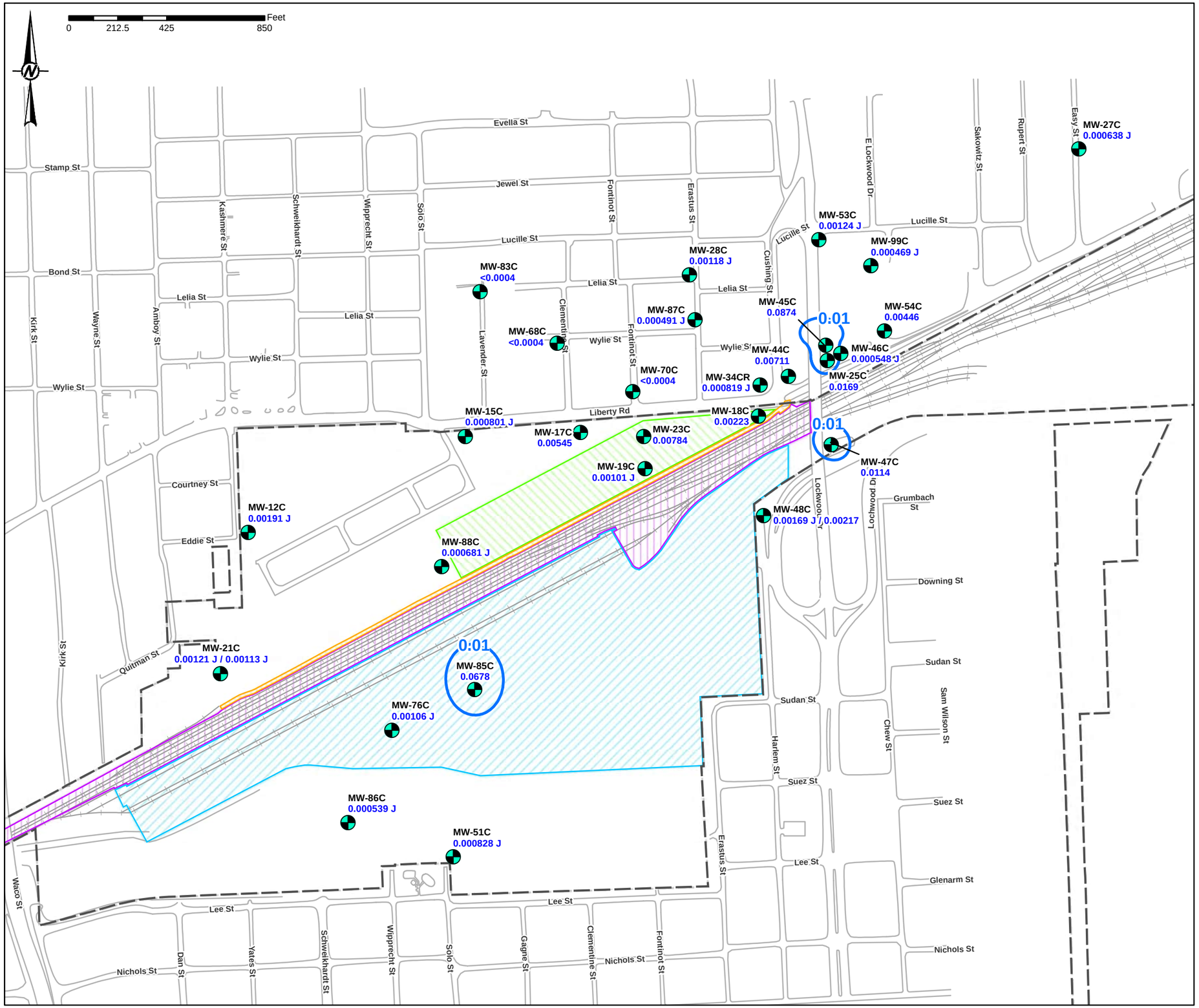


LEGEND

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

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
C-TZ - ARSENIC - JULY 2023

CONSULTANT
wsp

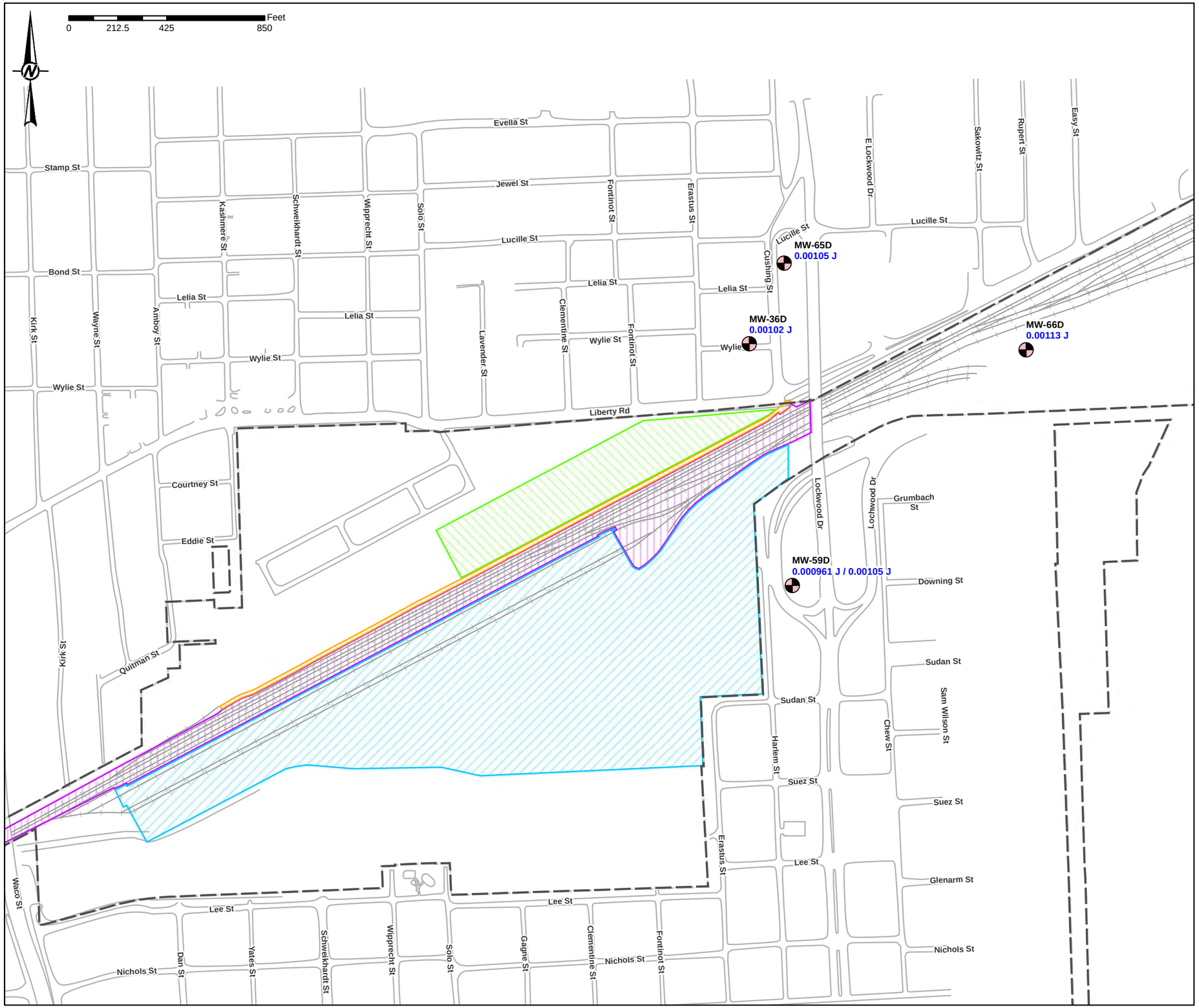
YYYY-MM-DD	2024-02-15
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
29

PATH: M:\UPRR_Houston_Wood_Preserving\COC_Figures_20240211\17_31406585_016_UPRR_Fig29_C_Arsenic.mxd PRINTED ON: 2024-02-15 AT: 10:49:10 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
- ARSENIC CONCENTRATION CONTOUR
- D-TZ MONITORING WELL LOCATION

STATE OF TEXAS
MATTHEW K. WICKHAM
GEOLOGY
LIC. # 5330
LICENSED
PROFESSIONAL GEOSCIENTIST

09/10/24

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.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
GROUNDWATER COC CONCENTRATION MAP
D-TZ - ARSENIC - JULY 2023

CONSULTANT

YYYY-MM-DD	2024-02-15
DESIGNED	RHG
PREPARED	RHG
REVIEWED	-
APPROVED	-

PROJECT NO.
31406585.016

FIGURE
30

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_20240211\17_31406585_016_UPRR_Fig30_D_Arsenic.mxd PRINTED ON: 2024-02-15 AT: 10:49:32 AM

ATTACHMENT A

Groundwater Sampling Field Records

Static Water Level Measurement

Page 1 of 4

GOLDER

Project/Phase	3140585.016	**Meter Model**	SOLINST
Site Location	WRR-HWPW	**Unit No.**	100'
Date	7-6-23 / 7-7-23	**Reference Point Location**	☒ Top of casing ☐ Other

Monitoring Well ID	Time	TOC Elevation (feet)	Depth to Product (feet) ☐ not measured	Depth to Water (feet)		Product Thickness (feet)	Water Level Elevation (feet)	Observations (well damage, sampling equipment in well, product description etc.)
				Primary Reading	Check Reading			TOTAL DEPTH
MW03				4.36	4.36			18.75
MW04				6.02	6.02			21.50
MW05				6.31	6.31			27.40
MW09				6.29	6.29			25.40
MW12A				8.63	8.63			30.30
MW12B			TOP OF PUMP	10.02	10.02			PUMP IN WELL
MW12C				25.88	25.88			75.70
MW13				10.89	10.89			26.05
MW14				9.89	9.89			44.75
MW15A				9.93	9.93			29.90
MW15B				9.73	9.73			40.60
MW15C				24.11	24.11			74.60
MW17				11.61	11.61			30.90
MW17C				23.77	23.77			75.40
MW18A				16.53	16.53			36.05
MW18C				24.27	24.27			61.90
MW19C				26.36	26.36			75.35
MW20A				9.39	9.39			28.20
MW21C				24.78	24.78			74.45
MW22AR				5.84	5.84			20.05
MW22BR				5.94	5.94			37.80
MW23C			—	27.36	27.36			75.10

Notes: 1) for new monitoring well installations, the reference point is to be marked with a notch at the top of casing; 2) use a single reference point for all depth to water measurements; 3) complete at least two depth to water measurements that agree within 0.01 feet.

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

Field Team Leader JOHN BRAYDON (name) _____ (signature)

Static Water Level Measurement

GOLDER

Project/Phase	3140585.016	**Meter Model**	SOLINST
Site Location	VPRR-HWPW	**Unit No.**	100'
Date	7-6-23 | 7-7-23	**Reference Point Location**	☒ Top of casing ☐ Other

Monitoring Well ID	Time	TOC Elevation (feet)	Depth to Product (feet) ☐ not measured	Depth to Water (feet)		Product Thickness (feet)	Water Level Elevation (feet)	Observations (well damage, sampling equipment in well, product description etc.)
				Primary Reading	*Check Reading*			
MW25A				7.67	7.67			TOTAL DEPTH 28.70
MW25C				16.91	16.91			59.95
MW26A				7.03	7.03			24.50
MW27A				6.13	6.13			23.25
MW27C				19.02	19.02			69.50
MW28A				7.63	7.63			25.40
MW28C				16.57	16.57			87.35
MW32AR				6.24	6.24			18.05
MW32B			32.14	6.03	6.03			36.05
MW33A				6.82	6.82			25.20
MW33BR				6.09	6.09			38.05
MW34CR				19.19	19.19			67.30
MW35A				6.09	6.09			28.10
MW35B				6.23	6.23			42.95
MW36A				9.17	9.17			21.80
MW36B				5.74	5.74			42.80
MW36D				85.12	85.12			100+
MW38A				5.34	5.34			22.05
MW38B				5.21	5.21			37.50
MW39B				8.43	8.43			41.40
MW40B				8.92	8.92			42.50
MW41B			TOP OF PUMP	9.46	9.46			PUMP IN WELL

Notes: 1) for new monitoring well installations, the reference point is to be marked with a notch at the top of casing; 2) use a single reference point for all depth to water measurements; 3) complete at least two depth to water measurements that agree within 0.01 feet.

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

Field Team Leader JOHN BRAYDON (name) (signature)

Static Water Level Measurement

GOLDER

Project/Phase	3140585.016	**Meter Model**	SOLINST
Site Location	WRR-HWPW	**Unit No.**	100'
Date	7-6-23 / 7-7-23	**Reference Point Location**	☒ Top of casing ☐ Other

Monitoring Well ID	Time	TOC Elevation (feet)	Depth to Product (feet) ☐ not measured	Depth to Water (feet) Primary Reading	Depth to Water (feet) Check Reading	Product Thickness (feet)	Water Level Elevation (feet)	Observations (well damage, sampling equipment in well, product description etc.)
								TOTAL DEPTH
MW42B				8.26	8.26			44.25
MW44A				10.23	10.23			28.10
MW44C				17.58	17.58			58.70
MW45C				17.22	17.22			70.50
MW46C				17.22	17.22			72.70
MW47A				9.54	9.54			25.05
MW47C				18.08	18.08			66.95
MW48C				18.17	18.17			72.40
MW49A				10.12	10.12			29.95
MW49B			23.16	9.61	9.61			28.50
MW50A				3.97	3.97			20.95
MW50B				7.34	7.34			37.60
MW51A				7.57	7.57			24.90
MW51C				21.89	21.89			72.70
MW53C				17.32	17.32			70.80
MW54B				17.29	17.29			40.20
MW54C				16.96	16.96			72.10
MW57A				13.54	13.54			24.90
MW57B				13.77	13.77			42.55
MW58A				12.34	12.34			28.50
MW59A				8.06	8.06			20.70
MW59B				7.91	7.91			32.90

Notes: 1) for new monitoring well installations, the reference point is to be marked with a notch at the top of casing; 2) use a single reference point for all depth to water measurements; 3) complete at least two depth to water measurements that agree within 0.01 feet.

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

Field Team Leader JOHN BRAYTON (name) _____ (signature)

Static Water Level Measurement

GOLDER

Project/Phase	3140585.016	**Meter Model**	SOLINST
Site Location	VPRR-HWPW	**Unit No.**	100'
Date	7-6-23 | 7-7-23	**Reference Point Location**	☒ Top of casing ☐ Other

Monitoring Well ID	Time	TOC Elevation (feet)	Depth to Product (feet) ☐ not measured	Depth to Water (feet)		Product Thickness (feet)	Water Level Elevation (feet)	Observations (well damage, sampling equipment in well, product description etc.)
				Primary Reading	Check Reading			TOTAL DEPTH
MW59D				82.16	82.16			100+
MW60AR				8.52	8.52			29.40
MW60B				8.82	8.82			39.50
MW61A				8.81	8.81			21.25
MW61B				5.34	5.34			33.10
MW62B				4.46	4.46			35.30
MW63B				5.77	5.77			36.80
MW64A				6.29	6.29			22.30
MW65D				85.01	85.01			100+
MW66D				84.09	84.09			100+
MW67B				9.56	9.56			39.35
MW68A				6.33	6.33			22.75
MW68B				6.63	6.63			37.80
MW68C				18.04	18.04			67.55
MW69A				12.13	12.13			17.95
MW70B			34.61	6.34	6.34			35.30
MW70C				18.02	18.02			66.65
MW71B				1.34	1.34			36.60
MW72B				26.79	26.79			40.30
MW74B				7.81	7.81			36.20
MW75B				7.99	7.99			37.15
MW76B				4.33	4.33			35.30

Notes: 1) for new monitoring well installations, the reference point is to be marked with a notch at the top of casing; 2) use a single reference point for all depth to water measurements; 3) complete at least two depth to water measurements that agree within 0.01 feet.

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

Field Team Leader JOHN BRAYTON
name

signature

Static Water Level Measurement

GOLDER

Project/Phase	3140585.016	**Meter Model**	SOLINST
Site Location	VPRR-HWPW	**Unit No.**	100'
Date	7-6-23 | 7-7-23	**Reference Point Location**	☒ Top of casing ☐ Other

Monitoring Well ID	Time	TOC Elevation (feet)	Depth to Product (feet) ☐ not measured	Depth to Water (feet) Primary Reading	Depth to Water (feet) Check Reading	Product Thickness (feet)	Water Level Elevation (feet)	Observations (well damage, sampling equipment in well, product description etc.)
MW76C				22.26	22.26			TOTAL DEPTH 70.25
MW77A				5.77	5.77			22.70
MW78A				7.12	7.12			25.20
MW79A				8.23	8.23			26.10
MW80B				7.63	7.63			34.70
MW81B				3.94	3.94			33.90
MW82B				4.64	4.64			34.80
MW83B				7.51	7.51			35.25
MW83C				18.84	18.84			67.90
MW84A				7.53	7.53			23.80
MW84B				7.57	7.57			40.20
MW85C				22.91	22.91			69.90
MW86C				20.96	20.96			69.80
MW87C				16.87	16.87			65.05
MW88A				7.93	7.93			25.40
MW88B				8.06	8.06			43.05
MW88C				25.58	25.58			75.70
MW89B				8.37	8.37			40.70
MW90B				7.22	7.22			35.30
MW91A				7.87	7.87			24.50
MW92B				5.62	5.62			34.60
MW93B				6.06	6.06			33.90

Notes: 1) for new monitoring well installations, the reference point is to be marked with a notch at the top of casing; 2) use a single reference point for all depth to water measurements; 3) complete at least two depth to water measurements that agree within 0.01 feet.

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

Field Team Leader JOHN BRAYTON (name) (signature)

Static Water Level Measurement

GOLDER

Project/Phase	3140585.016	**Meter Model**	SOLINST
Site Location	VPRR-HWPW	**Unit No.**	100'
Date	7-6-23 | 7-7-23	**Reference Point Location**	☒ Top of casing ☐ Other

Monitoring Well ID	Time	TOC Elevation (feet)	Depth to Product (feet) ☐ not measured	Depth to Water (feet)		Product Thickness (feet)	Water Level Elevation (feet)	Observations (well damage, sampling equipment in well, product description etc.)
				Primary Reading	*Check Reading*			
MW94A				4.97	4.97			21.60
MW95A				2.64	2.64			24.95
MW96B				1.77	1.77			35.40
MW97A				4.94	4.94			19.90
MW98A				6.92	6.92			20.40
MW98B				8.78	8.78			39.85
MW99C				17.56	17.56			88.05
P-11				7.23	7.23			42.65
TW41B				8.61	8.61			42.15

Notes: 1) for new monitoring well installations, the reference point is to be marked with a notch at the top of casing; 2) use a single reference point for all depth to water measurements; 3) complete at least two depth to water measurements that agree within 0.01 feet.

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

Field Team Leader JOHN BRAYTON (name) _____ (signature)

UPRR Site	Houston TX-Wood Preserving Works
Sample Reason	Site-wide GW Sampling Event - July 2021
Sampler	TM/JB - Golder
Laboratory	ALS - Houston, TX

Required Field

Populate When Appropriate

Sample ID	Location Code	Sample Date (mm/dd/yyyy)	Sample Time (hh:mm)	Sample Type	Sample Matrix	Grab or Composite	Start Depth (ft bgs)	End Depth (ft bgs)	Volume of Water Pumped	Volume Units	Parent Sample ID for Field Dups	Footnote
WG-1620-MW03-20230710	MW-03	7-10-23	1435	N	WG	grab						
WG-1620-MW04-20230710	MW-04	7-10-23	1530	N	WG	grab						
WG-1620-MW05-20230710	MW-05	7-10-23	1720	N	WG	grab						
WG-1620-MW09-20230710	MW-09	7-10-23	1625	N	WG	grab						
WG-1620-MW12A-20230712	MW-12A	7-12-23	1240	N	WG	grab						
WG-1620-MW12B-20230725	MW-12B	7-25-23	1255	N	WG	grab						
WG-1620-MW12C-20230712	MW-12C	7-12-23	1025	N	WG	grab						
WG-1620-MW13-20230713	MW-13	7-13-23	0935	N	WG	grab						
WG-1620-MW14-20230711	MW-14	7-11-23	1140	N	WG	grab						
WG-1620-MW15A-20230711	MW-15A	7-11-23	1410	N	WG	grab						
WG-1620-MW15B-20230711	MW-15B	7-11-23	1230	N	WG	grab						
WG-1620-MW15C-20230711	MW-15C	7-11-23	1315	N	WG	grab						
WG-1620-MW17-20230711	MW-17	7-11-23	1600	N	WG	grab						
WG-1620-MW17C-20230711	MW-17C	7-11-23	1510	N	WG	grab						
WG-1620-MW18A-20230712	MW-18A	7-12-23	1555	N	WG	grab						
WG-1620-MW18C-20230712	MW-18C	7-12-23	1510	N	WG	grab						
WG-1620-MW19C-20230712	MW-19C	7-12-23	1415	N	WG	grab						
WG-1620-MW20A-20230711	MW-20A	7-11-23	1010	N	WG	grab						
WG-1620-MW21C-20230711	MW-21C	7-11-23	1720	N	WG	grab						
WG-1620-MW22AR-20230719	MW-22AR	7-19-23	1620	N	WG	grab						
WG-1620-MW22BR-20230719	MW-22BR	7-19-23	1715	N	WG	grab						
WG-1620-MW23C-20230712	MW-23C	7-12-23	1305	N	WG	grab						
WG-1620-MW25A-20230717	MW-25A	7-17-23	1535	N	WG	grab						
WG-1620-MW25C-20230717	MW-25C	7-17-23	1640	N	WG	grab						
WG-1620-MW26A-20230720	MW-26A	7-20-23	1020	N	WG	grab						
WG-1620-MW27A-20230713	MW-27A	7-13-23	1355									
WG-1620-MW27C-20230713	MW-27C	7-13-23	1445	N	WG	grab						
WG-1620-MW28A-20230718	MW-28A	7-18-23	0910	N	WG	grab						
WG-1620-MW28C-20230718	MW-28C	7-18-23	0825	N	WG	grab					MS/MSD	
WG-1620-MW32AR-20230720	MW-32AR	7-20-23	1555	N	WG	grab						
WG-1620-MW32B-20230720	MW-32B	7-20-23	1505	N	WG	grab						
WG-1620-MW33A-20230720	MW-33A	7-20-23	1220	N	WG	grab						
WG-1620-MW33BR-20230720	MW-33BR	7-20-23	0925	N	WG	grab						
WG-1620-MW34CR-20230724	MW-34CR	7-24-23	1035	N	WG	grab						
WG-1620-MW35A-20230718	MW-35A	7-18-23	1705	N	WG	grab						
WG-1620-MW35B-20230718	MW-35B	7-18-23	1615	N	WG	grab						
WG-1620-MW36A-20230720	MW-36A	7-20-23	1755	N	WG	grab						
WG-1620-MW36B-20230724	MW-36B	7-24-23	0945	N	WG	grab						
WG-1620-MW36D-20230714	MW-36D	7-14-23	1400	N	WG	grab						
WG-1620-MW38A-20230720	MW-38A	7-20-23	0755	N	WG	grab						
WG-1620-MW38B-20230719	MW-38B	7-19-23	1805	N	WG	grab						
WG-1620-MW39B-20230713	MW-39B	7-13-23	1025	N	WG	grab						
WG-1620-MW40B-20230711	MW-40B	7-11-23	0825	N	WG	grab						
WG-1620-MW41B-20230725	MW-41B	7-25-23	1350	N	WG	grab						
WG-1620-MW42B-20230711	MW-42B	7-11-23	0915	N	WG	grab						
WG-1620-MW44A-20230724	MW-44A	7-24-23	1125	N	WG	grab						
WG-1620-MW44C-20230717	MW-44C	7-17-23	1745	N	WG	grab						
WG-1620-MW45C-20230724	MW-45C	7-24-23	1215	N	WG	grab						
WG-1620-MW46C-20230717	MW-46C	7-17-23	1440	N	WG	grab						
WG-1620-MW47A-20230717	MW-47A	7-17-23	1020	N	WG	grab						
WG-1620-MW47C-20230717	MW-47C	7-17-23	0745	N	WG	grab						

UPRR Site	Houston TX-Wood Preserving Works
Sample Reason	Site-wide GW Sampling Event - July 2021
Sampler	TM/JB - Golder
Laboratory	ALS - Houston, TX

Required Field

Populate When Appropriate

Sample ID	Location Code	Sample Date (mm/dd/yyyy)	Sample Time (hh:mm)	Sample Type	Sample Matrix	Grab or Composite	Start Depth (ft bgs)	End Depth (ft bgs)	Volume of Water Purged	Volume Units	Parent Sample ID for Field Dups	Remarks
WG-1620-MW48C-20230724	MW-48C	7-24-23	0845	N	WG	grab						
WG-1620-MW49A-20230724	MW-49A	7-24-23	1515	N	WG	grab						
WG-1620-MW49B-20230724	MW-49B	7-24-23	1610	N	WG	grab						
WG-1620-MW50A-20230707	MW-50A	7-7-23	1310	N	WG	grab						
WG-1620-MW50B-20230709	MW-50B	7-9-23	1145	N	WG	grab						
WG-1620-MW51A-20230707	MW-51A	7-7-23	1035	N	WG	grab						
WG-1620-MW51C-20230707	MW-51C	7-7-23	0945	N	WG	grab						
WG-1620-MW53C-20230717	MW-53C	7-17-23	1350	N	WG	grab						
WG-1620-MW54B-20230721	MW-54B	7-21-23	1040	N	WG	grab						
WG-1620-MW54C-20230717	MW-54C	7-17-23	1255	N	WG	grab						
WG-1620-MW57A-20230712	MW-57A	7-12-23	1750	N	WG	grab						
WG-1620-MW57B-20230713	MW-57B	7-13-23	0745	N	WG	grab						
WG-1620-MW58A-20230712	MW-58A	7-12-23	1650	N	WG	grab						
WG-1620-MW59A-20230713	MW-59A	7-13-23	1745	N	WG	grab						
WG-1620-MW59B-20230714	MW-59B	7-14-23	0925	N	WG	grab						
WG-1620-MW59D-20230714	MW-59D	7-14-23	1040	N	WG	grab						
WG-1620-MW60AR-20230717	MW-60AR	7-17-23	0840	N	WG	grab						
WG-1620-MW60B-20230717	MW-60B	7-17-23	0925	N	WG	grab						
WG-1620-MW61A-20230713	MW-61A	7-13-23	1645	N	WG	grab						
WG-1620-MW61B-20230713	MW-61B	7-13-23	1550	N	WG	grab						MS/MSD
WG-1620-MW62B-20230710	MW-62B	7-10-23	1340	N	WG	grab						
WG-1620-MW63B-20230719	MW-63B	7-19-23	1510	N	WG	grab						
WG-1620-MW64A-20230710	MW-64A	7-10-23	1240	N	WG	grab						
WG-1620-MW65D-20230714	MW-65D	7-14-23	1250	N	WG	grab						MS/MSD
WG-1620-MW66D-20230714	MW-66D	7-14-23	1135	N	WG	grab						
WG-1620-MW67B-20230724	MW-67B	7-24-23	0745	N	WG	grab						MS/MSD
WG-1620-MW68A-20230719	MW-68A	7-19-23	0745	N	WG	grab						
WG-1620-MW68B-20230719	MW-68B	7-19-23	0835	N	WG	grab						
WG-1620-MW68C-20230719	MW-68C	7-19-23	0925	N	WG	grab						
WG-1620-MW69A-20230717	MW-69A	7-17-23	1115	N	WG	grab						
WG-1620-MW70B-20230720	MW-70B	7-20-23	1410	N	WG	grab						
WG-1620-MW70C-20230720	MW-70C	7-20-23	1315	N	WG	grab						
WG-1620-MW71B-20230720	MW-71B	7-20-23	1650	N	WG	grab						
WG-1620-MW72B-20230713	MW-72B	7-13-23	0840	N	WG	grab						
WG-1620-MW74B-20230724	MW-74B	7-24-23	1320	N	WG	grab						
WG-1620-MW75B-20230724	MW-75B	7-24-23	1420	N	WG	grab						
WG-1620-MW76B-20230709	MW-76B	7-9-23	1515	N	WG	grab						
WG-1620-MW76C-20230709	MW-76C	7-9-23	1615	N	WG	grab						
WG-1620-MW77A-20230710	MW-77A	7-10-23	0740	N	WG	grab						
WG-1620-MW78A-20230710	MW-78A	7-10-23	0930	N	WG	grab						
WG-1620-MW79A-20230710	MW-79A	7-10-23	1015	N	WG	grab						
WG-1620-MW80B-20230707	MW-80B	7-7-23	1225	N	WG	grab						
WG-1620-MW81B-20230707	MW-81B	7-7-23	1140	N	WG	grab						
WG-1620-MW82B-20230718	MW-82B	7-18-23	1340	N	WG	grab						
WG-1620-MW83B-20230718	MW-83B	7-18-23	1520	N	WG	grab						
WG-1620-MW83C-20230718	MW-83C	7-18-23	1425	N	WG	grab						
WG-1620-MW84A-20230719	MW-84A	7-19-23	1225	N	WG	grab						
WG-1620-MW84B-20230719	MW-84B	7-19-23	1015	N	WG	grab						
WG-1620-MW85C-20230710	MW-85C	7-10-23	0835	N	WG	grab						
WG-1620-MW86C-20230710	MW-86C	7-10-23	1115	N	WG	grab						
WG-1620-MW87C-20230718	MW-87C	7-18-23	0735	N	WG	grab						

UPRR Site	Houston TX-Wood Preserving Works
Sample Reason	Site-wide GW Sampling Event - July 2021
Sampler	TM/JB - Golder
Laboratory	ALS - Houston, TX

Required Field

Populate When Appropriate

Sample ID	Location Code	Sample Date (mm/dd/yyyy)	Sample Time (hh:mm)	Sample Type	Sample Matrix	Grab or Composite	Start Depth (ft bgs)	End Depth (ft bgs)	Volume in Water Column (gal)	Volume Units	Parent Sample ID for Field Dups	Rejected
WG-1620-MW88A-20230712	MW-88A	7-12-23	0745	N	WG	grab						
WG-1620-MW88B-20230712	MW-88B	7-12-23	0840	N	WG	grab					MS/MSD	
WG-1620-MW88C-20230712	MW-88C	7-12-23	0930	N	WG	grab						
WG-1620-MW89B-20230718	MW-89B	7-18-23	1200	N	WG	grab						
WG-1620-MW90B-20230719	MW-90B	7-19-23	1320	N	WG	grab						
WG-1620-MW91A-20230718	MW-91A	7-18-23	1000	N	WG	grab						
WG-1620-MW92B-20230719	MW-92B	7-19-23	1415	N	WG	grab						
WG-1620-MW93B-20230718	MW-93B	7-18-23	1250	N	WG	grab						
WG-1620-MW94A-20230720	MW-94A	7-20-23	0830	N	WG	grab						
WG-1620-MW95A-20230721	MW-95A	7-21-23	0835	N	WG	grab						
WG-1620-MW96B-20230721	MW-96B	7-21-23	0735	N	WG	grab						
WG-1620-MW97A-20230709	MW-97A	7-9-23	1425	N	WG	grab						
WG-1620-MW98A-20230709	MW-98A	7-9-23	[redacted]1240	N	WG	grab						
WG-1620-MW98B-20230709	MW-98B	7-9-23	1330	N	WG	grab						
WG-1620-MW99C-20230721	MW-99C	7-21-23	0945	N	WG	grab						
WG-1620-P11-20230711	P-11	7-11-23	0735	N	WG	grab						
WG-1620-TW41B-20230713	TW-41B	7-13-23	1215	N	WG	grab						
~~WG-1620-MW36A~~ MW27A-20230725	~~MW-36A~~	7-25-23	0740	N	WG	grab					SVOCS ONLY	
~~WG-1620-MW44C~~ MW27C-20230725	~~MW-44C~~	7-25-23	0825	N	WG	grab					SVOCS ONLY	
~~WG-1620-MW34CR~~ MW61A-20230725	~~MW-34CR~~	7-25-23	0925	N	WG	grab					SVOCS ONLY	
~~WG-1620-MW33A~~ MW61B-20230725	~~MW-33A~~	7-25-23	1010	N	WG	grab						
~~WG-1620-MW70C~~ MW59B-20230725	~~MW-70C~~	7-25-23	1050	N	WG	grab						
WG-1620-FB01-20230707	FB-01	7-7-23	1330	FB	WG	grab						
~~WG-1620-FB01-~~	~~FB-01-~~			FB	WG	grab						
WG-1620-FB02-20230709	FB-02	7-9-23	1645	FB	WG	grab						
WG-1620-FB03-20230710	FB-03	7-10-23	1745	FB	WG	grab						
WG-1620-FB04-20230711	FB-04	7-11-23	1750	FB	WG	grab						
WG-1620-FB07-20230717	FB-07	7-17-23	1140	FB	WG	grab						
WG-1620-FB06-20230713	FB-06	7-13-23	1240	FB	WG	grab						
WG-1620-FB08-20230718	FB-08	7-18-23	1730	FB	WG	grab						
WG-1620-FB09-20230720	FB-09	7-20-23	1815	FB	WG	grab						
WG-1620-FB10-20230724	FB-10	7-24-23	1725	FB	WG	grab						
WG-1620-FB11-	FB-11			FB	WG	grab						
WG-1620-FB13-	FB-13			FB	WG	grab						
WG-1620-~~DUP01~~-FD01-20230711	FD-01	7-11-23	1720	FD	WG	grab					MW21C	
WG-1620-FD02-20230714	FD-02	7-14-23	1040	FD	WG	grab					MW59D	
WG-1620-FD03-20230718	FD-03	7-18-23	1000	FD	WG	grab					MW91A	
WG-1620-FD04-20230718	FD-04	7-18-23	1520	FD	WG	grab					MW83B	
WG-1620-~~DUP05~~-FD05-20230720	FD-05	7-20-23	1220	FD	WG	grab					MW33A	
WG-1620-~~DUP06~~-FD06-20230724	FD-06	7-24-23	0845	FD	WG	grab					MW48C	
WG-1620-DUP09-	FD-09			FD	WG	grab						
WQ-1620-TB01-	TB-01			TB	WG	grab						
WQ-1620-TB02-	TB-02			TB	WG	grab						
WQ-1620-TB03-	TB-03			TB	WG	grab						
WQ-1620-TB04-	TB-02			TB	WG	grab						
WQ-1620-TB05-	TB-05			TB	WG	grab						
WQ-1620-TB06-	TB-06			TB	WG	grab						
WQ-1620-TB07-	TB-07			TB	WG	grab						
WQ-1620-TB09-	TB-09			TB	WG	grab						

UPRR Site	Houston TX-Wood Preserving Works
Sample Reason	Site-wide GW Sampling Event - July 2021
Sampler	TM/JB - Golder
Laboratory	ALS - Houston, TX

Field Data

Sample ID	Location Code	Field pH	Sample Temp.	Ambient Temp.	Temp Units	Conductivity	Conductivity Units	Turbidity	Turbidity Units	Eh	Eh Units	ORP	ORP Units	DO	DO Units
WG-1620-MW03-	MW-03	6.74	21.7		C	1260		6.2	ntu			-14	millivolts	1.27	mg/L
WG-1620-MW04-	MW-04	6.86	22.6		C	1410		7.9	ntu			-71	millivolts	0.91	mg/L
WG-1620-MW05-	MW-05	6.81	22.9		C	1570		14.7	ntu			-61	millivolts	0.47	mg/L
WG-1620-MW09-	MW-09	6.56	22.4		C	1430		11.6	ntu			-53	millivolts	0.63	mg/L
WG-1620-MW12A-	MW-12A	6.79	22.1		C	1390		4.7	ntu			-17	millivolts	1.13	mg/L
WG-1620-MW12B-	MW-12B	6.89	21.6		C	1270		3.9	ntu			-74	millivolts	0.26	mg/L
WG-1620-MW12C-	MW-12C	6.91	21.8		C	1290		2.1	ntu			-56	millivolts	0.17	mg/L
WG-1620-MW13-	MW-13	6.96	22.9		C	1410		9.7	ntu			-36	millivolts	0.17	mg/L
WG-1620-MW14-	MW-14	7.07	22.4		C	1740		7.6	ntu			-27	millivolts	0.27	mg/L
WG-1620-MW15A-	MW-15A	6.53	21.2		C	1260		5.7	ntu			-21	millivolts	0.59	mg/L
WG-1620-MW15B-	MW-15B	6.71	21.7		C	1290		9.1	ntu			-9	millivolts	0.87	mg/L
WG-1620-MW15C-	MW-15C	6.64	21.9		C	1210		22.6	ntu			-47	millivolts	0.93	mg/L
WG-1620-MW17-	MW-17	6.79	20.9		C	1560		86.9	ntu			-56	millivolts	1.39	mg/L
WG-1620-MW17C-	MW-17C	6.88	22.3		C	1670		6.1	ntu			-41	millivolts	1.47	mg/L
WG-1620-MW18A-	MW-18A	6.92	22.6		C	1740		4.6	ntu			-32	millivolts	0.74	mg/L
WG-1620-MW18C-	MW-18C	6.96	22.9		C	1610		2.9	ntu			-42	millivolts	0.96	mg/L
WG-1620-MW19C-	MW-19C	6.77	23.1		C	1670		7.8	ntu			-67	millivolts	0.74	mg/L
WG-1620-MW20A-	MW-20A	6.81	22.4		C	1170		6.7	ntu			-61	millivolts	0.66	mg/L
WG-1620-MW21C-	MW-21C	6.72	23.1		C	1320		17.6	ntu			-34	millivolts	1.13	mg/L
WG-1620-MW22AR-	MW-22AR	6.51	21.7		C	1620		4.3	ntu			-19	millivolts	0.76	mg/L
WG-1620-MW22BR-	MW-22BR	6.59	22.6		C	1710		3.7	ntu			-6	millivolts	0.61	mg/L
WG-1620-MW23C-	MW-23C	6.72	21.7		C	1410		6.6	ntu			-7	millivolts	0.31	mg/L
WG-1620-MW25A-	MW-25A	6.84	22.4		C	1570		5.9	ntu			-34	millivolts	0.26	mg/L
WG-1620-MW25C-	MW-25C	6.89	23.7		C	1740		7.6	ntu			-42	millivolts	0.13	mg/L
WG-1620-MW26A-	MW-26A	6.51	21.2		C	1680		8.1	ntu			-26	millivolts	0.34	mg/L
WG-1620-MW27A-	MW-27A	6.97	21.6			1620		7.4				-21		0.61	
WG-1620-MW27C-	MW-27C	6.42	22.3		C	1390		3.2	ntu			-73	millivolts	0.77	mg/L
WG-1620-MW28A-	MW-28A	6.29	22.7		C	1330		1.7	ntu			-66	millivolts	0.86	mg/L
WG-1620-MW28C-	MW-28C	6.51	22.6		C	1520		9.6	ntu			-29	millivolts	0.79	mg/L
WG-1620-MW32AR-	MW-32AR	6.72	21.9		C	1560		17.9	ntu			-21	millivolts	0.39	mg/L
WG-1620-MW32B-	MW-32B	6.82	23.2		C	1570		9.3	ntu			-97	millivolts	0.67	mg/L
WG-1620-MW33A-	MW-33A	6.71	22.6		C	1490		6.2	ntu			-81	millivolts	0.93	mg/L
WG-1620-MW33BR-	MW-33BR	6.67	22.9		C	1420		5.1	ntu			-62	millivolts	1.22	mg/L
WG-1620-MW34CR-	MW-34CR	6.56	21.7		C	1670		4.6	ntu			-21	millivolts	0.82	mg/L
WG-1620-MW35A-	MW-35A	6.74	21.3		C	1580		3.2	ntu			-34	millivolts	0.62	mg/L
WG-1620-MW35B-	MW-35B	6.79	22.7		C	1590		9.6	ntu			-36	millivolts	0.34	mg/L
WG-1620-MW36A-	MW-36A	6.51	23.4		C	1470		21.9	ntu			-21	millivolts	0.22	mg/L
WG-1620-MW36B-	MW-36B	6.74	22.7		C	1430		1.9	ntu			-26	millivolts	1.47	mg/L
WG-1620-MW36D-	MW-36D	7.07	21.6		C	1260		3.6	ntu			-14	millivolts	1.06	mg/L
WG-1620-MW38A-	MW-38A	7.03	22.5		C	1670		4.7	ntu			-39	millivolts	1.09	mg/L
WG-1620-MW38B-	MW-38B	6.52	22.9		C	1630		4.1	ntu			-53	millivolts	0.76	mg/L
WG-1620-MW39B-	MW-39B	6.74	23.4		C	1650		8.7	ntu			-167	millivolts	0.67	mg/L
WG-1620-MW40B-	MW-40B	6.42	21.7		C	1530		6.9	ntu			-71	millivolts	0.93	mg/L
WG-1620-MW41B-	MW-41B	6.72	22.3		C	1270		8.1	ntu			-56	millivolts	0.74	mg/L
WG-1620-MW42B-	MW-42B	6.86	22.7		C	1610		4.1	ntu			-42	millivolts	0.61	mg/L
WG-1620-MW44A-	MW-44A	6.76	23.2		C	1670		5.2	ntu			-36	millivolts	0.71	mg/L
WG-1620-MW44C-	MW-44C	6.41	21.6		C	1560		7.9	ntu			-71	millivolts	0.52	mg/L
WG-1620-MW45C-	MW-45C	6.49	21.9		C	1420		21.3	ntu			-59	millivolts	0.56	mg/L
WG-1620-MW46C-	MW-46C	6.57	22.6		C	1740		6.7	ntu			-17	millivolts	0.96	mg/L
WG-1620-MW47A-	MW-47A	6.89	22.1		C	1790		7.9	ntu			-12	millivolts	0.31	mg/L
WG-1620-MW47C-	MW-47C	7.07	21.7		C	1760		8.6	ntu			-16	millivolts	0.18	mg/L

UPRR Site	Houston TX-Wood Preserving Works
Sample Reason	Site-wide GW Sampling Event - July 2021
Sampler	TM/JB - Golder
Laboratory	ALS - Houston, TX

Field Data

Sample ID	Location Code	Field pH	Sample Temp.	Ambient Temp.	Temp Units	Conductivity	Conductivity Units	Turbidity	Turbidity Units	Eh	Eh Units	ORP	ORP Units	DO	DO Units
WG-1620-MW48C-	MW-48C	6.71	22.7		C	1260		6.7	ntu			-16	millivolts	0.26	mg/L
WG-1620-MW49A-	MW-49A	6.46	23.2		C	1410		7.3	ntu			-34	millivolts	0.16	mg/L
WG-1620-MW49B-	MW-49B	6.59	21.7		C	1460		5.3	ntu			-49	millivolts	0.12	mg/L
WG-1620-MW50A-	MW-50A	6.71	22.6		C	1360		3.4	ntu			-41	millivolts	0.56	mg/L
WG-1620-MW50B-	MW-50B	6.84	21.6		C	1390		16.8	ntu			-33	millivolts	0.77	mg/L
WG-1620-MW51A-	MW-51A	6.89	22.6		C	1670		11.7	ntu			-76	millivolts	0.86	mg/L
WG-1620-MW51C-	MW-51C	6.81	22.9		C	1640		9.7	ntu			-61	millivolts	1.14	mg/L
WG-1620-MW53C-	MW-53C	6.71	23.7		C	1710		6.3	ntu			-17	millivolts	1.39	mg/L
WG-1620-MW54B-	MW-54B	6.49	21.7		C	1620		4.1	ntu			-12	millivolts	0.96	mg/L
WG-1620-MW54C-	MW-54C	6.56	22.4		C	1470		2.6	ntu			-39	millivolts	0.67	mg/L
WG-1620-MW57A-	MW-57A	6.59	25.7		C	1510		2.3	ntu			-79	millivolts	0.34	mg/L
WG-1620-MW57B-	MW-57B	6.72	22.6		C	1510		3.9	ntu			-96	millivolts	0.27	mg/L
WG-1620-MW58A-	MW-58A	6.67	22.2		C	1320		5.6	ntu			-78	millivolts	0.41	mg/L
WG-1620-MW59A-	MW-59A	6.84	22.7		C	1560		7.7	ntu			-63	millivolts	0.74	mg/L
WG-1620-MW59B-	MW-59B	6.97	23.9		C	1170		6.1	ntu			-39	millivolts	0.67	mg/L
WG-1620-MW59D-	MW-59D	7.13	21.6		C	1190		5.2	ntu			-44	millivolts	0.41	mg/L
WG-1620-MW60AR-	MW-60AR	7.09	23.9		C	1260		3.6	ntu			-56	millivolts	0.32	mg/L
WG-1620-MW60B-	MW-60B	6.96	23.1		C	1340		9.7	ntu			-31	millivolts	0.21	mg/L
WG-1620-MW61A-	MW-61A	6.81	21.2		C	1460		17.7	ntu			-16	millivolts	0.57	mg/L
WG-1620-MW61B-	MW-61B	6.96	21.6		C	1520		16.1	ntu			-56	millivolts	1.34	mg/L
WG-1620-MW62B-	MW-62B	6.78	22.2		C	1570		9.1	ntu			-76	millivolts	0.73	mg/L
WG-1620-MW63B-	MW-63B	6.59	22.7		C	1630		4.6	ntu			-96	millivolts	0.96	mg/L
WG-1620-MW64A-	MW-64A	6.74	21.6		C	1560		5.2	ntu			-91	millivolts	0.52	mg/L
WG-1620-MW65D-	MW-65D	6.97	23.4		C	1430		3.3	ntu			-76	millivolts	0.36	mg/L
WG-1620-MW66D-	MW-66D	7.12	22.6		C	1360		2.6	ntu			-61	millivolts	0.16	mg/L
WG-1620-MW67B-	MW-67B	7.06	21.6		C	1310		5.9	ntu			-21	millivolts	0.26	mg/L
WG-1620-MW68A-	MW-68A	6.91	21.9		C	1590		8.7	ntu			-23	millivolts	0.34	mg/L
WG-1620-MW68B-	MW-68B	6.76	22.6		C	1670		9.3	ntu			-26	millivolts	0.47	mg/L
WG-1620-MW68C-	MW-68C	6.92	22.1		C	1450		4.4	ntu			-11	millivolts	0.51	mg/L
WG-1620-MW69A-	MW-69A	7.02	21.7		C	1670		8.6	ntu			-74	millivolts	1.12	mg/L
WG-1620-MW70B-	MW-70B	6.76	22.3		C	1520		7.4	ntu			-61	millivolts	1.62	mg/L
WG-1620-MW70C-	MW-70C	6.57	21.2		C	1560		7.7	ntu			-22	millivolts	0.74	mg/L
WG-1620-MW71B-	MW-71B	6.67	21.6		C	1590		6.6	ntu			-16	millivolts	0.56	mg/L
WG-1620-MW72B-	MW-72B	6.79	22.4		C	1470		5.2	ntu			-9	millivolts	0.51	mg/L
WG-1620-MW74B-	MW-74B	6.72	22.9		C	1340		9.1	ntu			-41	millivolts	0.46	mg/L
WG-1620-MW75B-	MW-75B	6.78	22.5		C	1310		6.2	ntu			-37	millivolts	0.21	mg/L
WG-1620-MW76B-	MW-76B	6.51	21.5		C	1170		7.4	ntu			-61	millivolts	0.77	mg/L
WG-1620-MW76C-	MW-76C	6.57	21.6		C	1270		7.7	ntu			-64	millivolts	0.57	mg/L
WG-1620-MW77A-	MW-77A	6.72	21.7		C	1290		9.3	ntu			-52	millivolts	0.67	mg/L
WG-1620-MW78A-	MW-78A	6.51	22.6		C	1640		11.9	ntu			-27	millivolts	1.24	mg/L
WG-1620-MW79A-	MW-79A	6.74	23.2		C	1610		14.6	ntu			-47	millivolts	0.61	mg/L
WG-1620-MW80B-	MW-80B	6.89	23.7		C	1710		2.2	ntu			-59	millivolts	0.21	mg/L
WG-1620-MW81B-	MW-81B	6.94	22.7		C	1360		4.6	ntu			-116	millivolts	0.34	mg/L
WG-1620-MW82B-	MW-82B	6.86	24.6		C	1260		3.6	ntu			-21	millivolts	0.21	mg/L
WG-1620-MW83B-	MW-83B	6.94	23.2		C	1170		8.2	ntu			-76	millivolts	0.23	mg/L
WG-1620-MW83C-	MW-83C	6.81	22.7		C	1360		9.4	ntu			-62	millivolts	0.57	mg/L
WG-1620-MW84A-	MW-84A	6.71	22.3		C	1420		7.8	ntu			-81	millivolts	0.63	mg/L
WG-1620-MW84B-	MW-84B	6.97	21.9		C	1620		7.2	ntu			-56	millivolts	0.26	mg/L
WG-1620-MW85C-	MW-85C	7.13	21.6		C	1590		6.3	ntu			-67	millivolts	0.49	mg/L
WG-1620-MW86C-	MW-86C	7.21	22.4		C	1490		3.4	ntu			-34	millivolts	0.76	mg/L
WG-1620-MW87C-	MW-87C	7.06	22.9		C	1460		6.7	ntu			-17	millivolts	0.79	mg/L

UPRR Site	Houston TX-Wood Preserving Works
Sample Reason	Site-wide GW Sampling Event - July 2021
Sampler	TM/JB - Golder
Laboratory	ALS - Houston, TX

Field Data

Sample ID	Location Code	Field pH	Sample Temp.	Ambient Temp.	Temp Units	Conductivity	Conductivity Units	Turbidity	Turbidity Units	Eh	Eh Units	ORP	ORP Units	DO	DO Units
WG-1620-MW88A-	MW-88A	7.06	24.1		C	960		5.6	ntu			-72	millivolts	1.27	mg/L
WG-1620-MW88B-	MW-88B	7.21	23.6		C	1120		6.7	ntu			-86	millivolts	0.92	mg/L
WG-1620-MW88C-	MW-88C	7.06	21.9		C	1060		7.4	ntu			-47	millivolts	0.67	mg/L
WG-1620-MW89B-	MW-89B	6.96	22.6		C	870		7.7	ntu			-32	millivolts	0.93	mg/L
WG-1620-MW90B-	MW-90B	6.42	22.3		C	1170		6.7	ntu			-43	millivolts	1.26	mg/L
WG-1620-MW91A-	MW-91A	6.46	21.7		C	1360		9.2	ntu			-76	millivolts	0.16	mg/L
WG-1620-MW92B-	MW-92B	6.74	21.6		C	1470		17.4	ntu			-81	millivolts	0.23	mg/L
WG-1620-MW93B-	MW-93B	6.92	21.9		C	1290		2.3	ntu			-6	millivolts	0.31	mg/L
WG-1620-MW94A-	MW-94A	6.72	22.6		C	1240		2.9	ntu			-19	millivolts	0.46	mg/L
WG-1620-MW95A-	MW-95A	6.77	22.7		C	1340		4.7	ntu			-34	millivolts	0.82	mg/L
WG-1620-MW96B-	MW-96B	6.79	21.6		C	1190		7.4	ntu			-67	millivolts	0.77	mg/L
WG-1620-MW97A-	MW-97A	7.04	23.6		C	1130		6.7	ntu			-62	millivolts	0.71	mg/L
WG-1620-MW98A-	MW-98A	7.13	24.2		C	1170		9.2	ntu			-96	millivolts	1.06	mg/L
WG-1620-MW98B-	MW-98B	7.04	23.7		C	1210		8.6	ntu			-36	millivolts	0.53	mg/L
WG-1620-MW99C-	MW-99C	6.57	23.4		C	1030		17.2	ntu			-27	millivolts	0.32	mg/L
WG-1620-P11-	P-11	7.09	23.7		C	1090		23.4	ntu			-21	millivolts	0.37	mg/L
WG-1620-TW41B-	TW-41B	6.96	[illegible]	22.9	C	1010		12.6	ntu			-33	millivolts	0.18	mg/L
WG-1620-~~MW36A~~ MW27A	~~MW-36A~~	6.92	22.2		C	1560		6.2	ntu			-27	millivolts	0.46	mg/L
WG-1620-~~MW44C~~ MW27C	~~MW-44C~~	6.53	22.7		C	1410		3.6	ntu			-67	millivolts	0.86	mg/L
WG-1620-~~MW34CR~~ MW61A	~~MW-34CR~~	6.77	21.7		C	1470		9.4	ntu			-21	millivolts	0.51	mg/L
WG-1620-~~MW33A~~ MW61B	~~MW-33A~~	6.91	22.3		C	1510		14.7	ntu			-51	millivolts	1.16	mg/L
WG-1620-~~MW70C~~ MW59B	~~MW-70C~~	7.02	23.4		C	1190		5.2	ntu			-46	millivolts	0.51	mg/L
WG-1620-FB01-	FB-01														
WG-1620-FB01-	FB-01														
WG-1620-FB02-	FB-02														
WG-1620-FB03-	FB-03														
WG-1620-FB04-	FB-04														
WG-1620-FB05-	FB-05														
WG-1620-FB06-	FB-06														
WG-1620-FB08-	FB-08														
WG-1620-FB09-	FB-09														
WG-1620-FB10-	FB-10														
WG-1620-FB11-	FB-11														
WG-1620-FB13-	FB-13														
WG-1620-DUP01-	FD-01	~~6.14~~	~~24.94~~		~~C~~	~~1230~~		~~133.00~~	~~ntu~~			-110	millivolts	0.81	mg/L
WG-1620-FD02-	FD-02	~~7.16~~	~~23.9~~		~~C~~	~~1060~~		5.1	ntu			-31	millivolts	0.42	mg/L
WG-1620-FD03-	FD-03	~~6.67~~	24.1		C	1290		5.2	ntu			-71	millivolts	1.76	mg/L
WG-1620-FD05-	FD-05	~~6.27~~	~~32.26~~		C	3010		32.7	ntu			-51	millivolts	0.21	mg/L
WG-1620-DUP06-	FD-06	~~7.26~~	~~28.26~~		C	625		68.70	ntu			-66	millivolts	0.67	mg/L
WG-1620-DUP08-	FD-08	~~6.78~~	~~36.21~~		C	787		52.30	ntu			107	millivolts	3.14	mg/L
WG-1620-DUP09-	FD-09	~~7.16~~	~~30~~		C	694		71.8	ntu			-94	millivolts	0.47	mg/L
WQ-1620-~~TB01~~ FD01	~~TB-01~~	6.72	23.1			1320		17.6				-34		1.13	
WQ-1620-~~TB02~~ FD02	~~TB-02~~	7.13	21.6			1190		5.2				-44		0.41	
WQ-1620-~~TB03~~ FD03	~~TB-03~~	6.46	21.7			1360		9.2				-76		0.16	
WQ-1620-~~TB04~~ FD04	~~TB-02~~	6.94	23.2			1170		8.2				-76		0.23	
WQ-1620-~~TB05~~ FD05	~~TB-05~~	6.91	23.6			1470		6.2				-81		0.93	
WQ-1620-~~TB06~~ FD06	~~TB-06~~	6.71	23.7			1260		6.7				-16		0.26	
WQ-1620-TB07-	TB-07														
WQ-1620-TB09-	TB-09														

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140685.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	9.73 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-11-23	**Reference Point**	☒ Top of casing	**Depth to Water**	9.73 ft. BGL
MW ID	MW15B	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW15B-20230711	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1159									
1209	.2	/	9.94	21.4	6.79	1230	0.91	-11	10.6
1214	↓	/	9.97	21.6	6.72	1290	0.84	-12	8.7
1219	↓	/	9.99	21.7	6.71	1290	0.87	-9	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)
1230	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1230	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	9.89	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-11-23	**Reference Point**	☒ Top of casing	**Depth to Water**	9.89	ft. BGL
MW ID	MW14	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW14-20230711	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**	/	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1112									
1122	.2	/	10.13	22.7	7.13	1790	0.36	-31	9.3
1127	↓	/	10.16	22.2	7.11	1730	0.26	-26	7.8
1132	↓	/	10.18	22.4	7.07	1740	0.27	-27	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)
1140	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1140	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	9.39 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-11-23	**Reference Point**	☒ Top of casing	**Depth to Water**	9.39 ft. BGL
MW ID	MW20A	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW20A-20230711	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0939									
0949	.2	/	9.61	22.7	6.84	1250	0.72	-54	7.2
0954	/	/	9.63	22.3	6.80	1160	0.65	-59	6.2
0959	↓	/	9.64	22.4	6.81	1170	0.66	-61	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)
1010	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1010	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	314065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.26	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-11-23	**Reference Point**	~~☒ Top~~ of casing	**Depth to Water**	8.26	ft. BGL
MW ID	MW42B	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW42B-20230711	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	~~☒~~ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0842									
0852	.2	/	8.46	22.9	6.96	1670	0.74	-41	8.6
0857	↓	/	8.49	22.6	6.89	1620	0.59	-41	3.4
0902	↓	/	8.50	22.7	6.86	1610	0.61	-42	4.1

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
0915	40mL / 120mL	G / P	3 / 1	☐ filtered ~~☒~~ unfiltered	HCL / HNO3	VOCs / METALS
0915	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3141065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.92	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-11-23	**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-20230711	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0753									
0803	.2	/	9.22	24.6	6.47	1510	1.13	-67	7.7
0808	/	/	9.27	24.7	6.41	1520	0.90	-72	6.4
0813	↓	/	9.30	24.7	6.42	1530	0.93	-71	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)
0825	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
0825	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.23	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-11-23	**Reference Point**	☒ Top of casing	**Depth to Water**	7.23	ft. BGL
MW ID	P11	**Location**	☐ Other	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-P11-20230711	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0704									
0714	.2	/	7.42	23.6	7.13	1030	0.46	-27	26.7
0719	/	/	7.45	23.4	7.08	1080	0.34	-22	21.9
0724	↓	/	7.46	23.7	7.09	1090	0.37	-21	23.4

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
0735	40mL / 120mL	G / P	3 / 1	☒ filtered ☐ unfiltered	HCL / HNO3	VOCs / METALS
0735	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3141658S.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.31 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-10-23	**Reference Point**	☒ Top of casing	**Depth to Water**	6.31 ft. BGL
MW ID	MW05	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW05-20230710	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1648									
1658	.2	/	6.57	22.6	6.87	1510	0.56	-67	12.7
1703	/	/	6.59	22.8	6.80	1560	0.43	-60	13.2
1708	↓	/	6.58	22.9	6.81	1570	0.47	-61	14.7

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)
1720	40mL / 120mL	G / P	3 / 1	☒ filtered ☐ unfiltered	HCL / HNO3	VOCs / METALS
1720	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.29 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-10-23	**Reference Point**	☒ Top of casing	**Depth to Water**	6.29 ft. BGL
MW ID	MW09	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW09-202307	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1553									
1603	.2	/	6.49	22.7	6.71	1470	0.74	-56	11.9
1608	/	/	6.52	22.3	6.55	1420	0.62	-54	11.9
1613	↓	/	6.54	22.4	6.56	1430	0.63	-53	11.6

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)
1625	40mL / 120mL	G / P	3 / 1	☒ filtered ☐ unfiltered	HCL / HNO3	VOCs / METALS
1625	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.02	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-10-23	**Reference Point**	☐ Top of casing	**Depth to Water**	6.02	ft. BGL
MW ID	MW04	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW04-20230710	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1457									
1507	.2	/	6.31	22.4	6.74	1440	0.99	-76	8.9
1512	↓	/	6.36	22.7	6.84	1410	0.94	-70	7.7
1517	↓	/	6.40	22.6	6.86	1410	0.91	-71	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)
1530	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1530	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	4.36	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-10-23	**Reference Point**	☒ Top of casing	**Depth to Water**	4.36	ft. BGL
MW ID	MW03	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW03-20230710	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1406									
1416	.2		4.69	21.3	6.81	1270	1.39	-16	7.4
1421	↓		4.73	21.6	6.73	1250	1.24	-12	6.6
1426	↓		4.75	21.7	6.74	1260	1.27	-14	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1435	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1435	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140655.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	4.46 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-10-23	**Reference Point**	☒ Top of casing	**Depth to Water**	4.46 ft. BGL
MW ID	MW628	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW628-20230710	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1308									
1318	.2	/	4.67	22.4	6.71	1510	0.91	-77	10.6
1323	/	/	4.67	22.1	6.77	1520	0.71	-76	9.0
1328	↓	/	4.68	22.2	6.78	1570	0.73	-76	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)
1340	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1340	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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

GOLDER

Project/Phase	3141065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.29 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-10-23	**Reference Point**	☒ Top of casing	**Depth to Water**	6.29 ft. BGL
MW ID	MW64A	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW64A-20230710	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	1 gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1209									
1219	.2	1	6.42	21.9	6.79	1590	0.67	-106	7.2
1224	↓	1	6.44	21.5	6.75	1540	0.51	-89	5.7
1229	↓	1	6.47	21.6	6.74	1560	0.52	-91	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1240	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1240	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	20.96	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-10-23	**Reference Point**	☒ Top of casing	**Depth to Water**	20.96	ft. BGL
MW ID	MW86C	**Location**	☐ Other	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW86C-20230710	**Water Quality**		**MW Diameter**	2D	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1041									
1051	.2	/	21.21	21.9	7.16	1520	0.92	-41	6.7
1056	↓	/	21.23	22.5	7.22	1480	0.74	-33	3.2
1101	↓	/	21.23	22.4	7.21	1490	0.76	-34	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1115	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1115	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3147655.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.23	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-10-23	**Reference Point**	☒ Top of casing	**Depth to Water**	8.23	ft. BGL
MW ID	MW19A	**Location**	☐ Other	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW19A-20230710	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0946									
0956	.2	|	8.39	23.7	6.79	1570	0.79	-51	19.7
1001	|	|	8.42	23.1	6.74	1610	0.62	-46	13.2
1006	↓	|	8.44	23.2	6.74	1610	0.61	-47	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1015	40mL / 120mL	G / P	3 / 1	☒ filtered ☐ unfiltered	HCL / HNO3	VOCs / METALS
1015	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON
name

signature

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	24.27 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-12-23	**Reference Point**	☒ Top of casing	**Depth to Water**	24.27 ft. BGL
MW ID	MW18C	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW18C-20230712	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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	/	24.41	22.4	6.91	1670	1.12	-47	3.4
1454	↓	/	24.46	22.8	6.97	1620	0.94	-41	2.6
1459	↓	/	24.47	22.9	6.96	1610	0.96	-42	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1510	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1510	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3147065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	26.36	ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-12-23	**Reference Point**	☒ Top of casing	**Depth to Water**	26.36	ft. BGL
MW ID	MW19C	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW19C-20230712	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1341									
1351	.2	/	26.56	23.4	6.79	16.40	0.96	-71	9.6
1356	/	/	26.59	23.2	6.74	16.90	0.71	-66	7.2
1401	↓	/	26.61	23.1	6.77	16.70	0.74	-67	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)
1415	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1415	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BEAUDOIN (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3147065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	27.36	ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-12-23	**Reference Point**	☒ Top of casing	**Depth to Water**	27.36	ft. BGL
MW ID	MW23C	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW23C-20230712	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1234									
1244	.2	/	27.57	21.6	6.79	1470	0.42	-11	7.9
1249	/	/	27.59	21.7	6.71	1430	0.32	-6	6.2
1254	↓	/	27.59	21.7	6.72	1410	0.31	-7	6.6

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)
1305	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1305	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BEAUDOIN (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	14106585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.63 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-12-23	**Reference Point**	☒ Top of casing	**Depth to Water**	8.63 ft. BGL
MW ID	MW12A	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW12A-202307	**Water Quality**		**MW Diameter**	_____ inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1126									
1136	.2	|	8.93	22.6	6.86	1360	1.34	-16	5.3
1141	↓	|	8.96	22.0	6.77	1390	1.11	-17	4.1
1146	↓	|	8.97	22.1	6.79	1390	1.13	-17	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)
1210	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1240	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	25.88	ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-12-23	**Reference Point**	~~☑~~ Top of casing	**Depth to Water**	25.88	ft. BGL
MW ID	MW12C	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW12C-20230712	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ ~~Peristaltic~~ ☐ Bladder	**Unit Number**	U-50	**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
0954									
1004	.2	/	26.12	21.9	7.01	1230	0.91	-51	3.6
1009	/	/	26.17	21.16	6.94	1280	0.73	-61	2.9
1014	↓	/	26.19	21.8	6.91	1290	0.77	-56	2.1

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1025	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ ~~unfiltered~~	HCL / HNO3	VOCS / METALS
1025	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3147065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	25.58	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-12-23	**Reference Point**	☒ Top of casing	**Depth to Water**	25.58	ft. BGL
MW ID	MW88C	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW88C-20230712	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0857									
0907	.2	/	25.79	23.7	7.12	1020	0.74	-41	8.6
0912	/	/	25.84	23.6	7.05	1070	0.63	-47	7.2
0917	↓	/	25.87	23.9	7.06	1060	0.67	-47	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)
0930	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
0930	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.06 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-12-23	**Reference Point**	☒ Top of casing	**Depth to Water**	8.06 ft. BGL
MW ID	MW88B	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW88B-20230712	**Water Quality**		**MW Diameter**	20 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0804									
0814	.2	/	8.23	23.7	7.14	1170	1.09	-81	7.4
0819	/	/	8.24	23.6	7.22	1110	0.91	-87	6.3
0824	↓	/	8.25	23.6	7.21	1120	0.92	-86	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
0840	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
0840	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.93	ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-12-23	**Reference Point**	☒ Top of casing	**Depth to Water**	7.93	ft. BGL
MW ID	MW88A	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW88A-20230712	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0716									
0726	.2	/	8.29	24.3	7.12	970	1.39	-77	6.7
0731	/	/	8.34	24.2	7.05	950	1.26	-71	5.2
0736	↓	/	8.35	24.1	7.06	960	1.27	-72	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)
0745	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
0745	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	24.78 ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-11-23	**Reference Point**	☒ Top of casing	**Depth to Water**	24.78 ft. BGL
MW ID	MW21C	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW21C-20230711	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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)
1636	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1646	.2	/	25.03	23.6	6.71	1360	1.29	-27	20.7
1651	/	/	25.06	23.0	6.72	1310	1.06	-36	16.9
1656	↓	/	25.07	23.1	6.72	1320	1.13	-34	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)
1720	40ML / 120ML	G / P	3 / 1	☒ filtered ☐ unfiltered	HCL / HNO3	VOCS / METALS
1720	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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-FD01-20230711
1720-Sample time

Field Team Leader JOHN BRAXTON (name) (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	11.61 ft. BMP
Site Location	VPRR-HWPW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-11-23	**Reference Point**	☒ Top of casing	**Depth to Water**	11.61 ft. BGL
MW ID	MW-17	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW17-20230711	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	1 gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1529									
1539	.2	1	11.89	20.6	6.96	1520	1.46	-51	8.6
1544	↓	1	11.92	20.8	6.81	1560	1.36	-57	6.6
1549	↓	1	11.93	20.9	6.79	1560	1.39	-56	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1600	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1600	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3146585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	23.77 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-11-23	**Reference Point**	☒ Top of casing	**Depth to Water**	23.77 ft. BGL
MW ID	MW17C	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW17C-20230711	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**	/ ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1436									
1446	.2	/	23.99	22.6	6.81	1620	1.72	-36	5.6
1451	↓	/	24.01	22.2	6.91	1680	1.46	-42	6.3
1456	↓	/	24.02	22.3	6.88	1670	1.47	-41	6.1

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)
1510	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO_3	VOCs / METALS / VINYL CHLORIDE
1510	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3146585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	9.93 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-11-23	**Reference Point**	☒ Top of casing	**Depth to Water**	9.93 ft. BGL
MW ID	MW15A	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW15A-20230711	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1339									
1348	.2	/	10.17	21.1	6.46	1290	0.62	-26	6.7
1353	/	/	10.19	21.2	6.54	1250	0.57	-20	5.1
1358	↓	/	10.20	21.2	6.53	1260	0.59	-21	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)
1410	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1410	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BEAUDOIN (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	24.11 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-11-23	**Reference Point**	☒ Top of casing	**Depth to Water**	24.11 ft. BGL
MW ID	MW15C	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW15C-20230711	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	1 gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1246									
1256	.2	1	24.29	21.6	6.71	1260	1.06	-51	27.6
1301	↓	1	24.31	21.6	6.62	1220	0.89	-46	21.3
1306	↓	1	24.32	21.9	6.64	1210	0.93	-47	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)
1315	40ML / 120ML	G / P	3 / 1	☒ filtered ☐ unfiltered	HCL / HNO3	VOCS / METALS
1315	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3147655.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.06 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-13-23	**Reference Point**	☒ Top of casing	**Depth to Water**	8.06 ft. BGL
MW ID	MW59A	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW59A-20230713	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1714									
1724	.2	/	8.29	23.1	6.79	1390	0.86	-71	6.7
1729	↓	/	8.31	22.6	6.85	1350	0.73	-62	7.9
1734	↓	/	8.30	22.7	6.84	1360	0.74	-63	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)
1745	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO_3	VOCs / METALS
1745	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.81 ft. BMP
Site Location	UPER-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-13-23	**Reference Point**	☒ Top of casing	**Depth to Water**	8.81 ft. BGL
MW ID	MW61A	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW61A-20230713	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1612									
1622	.2	/	9.04	21.6	6.84	1490	0.62	-19	19.3
1627	↓	/	9.09	21.1	6.82	1450	0.56	-14	17.1
1632	↓	/	9.11	21.2	6.81	1460	0.57	-16	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)
1645	40mL / 120mL	G / P	3 / 1	☒ filtered ☐ unfiltered	HCL / HNO3	VOCS / METALS
1645	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	5.34 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-13-23	**Reference Point**	☒ Top of casing	**Depth to Water**	5.34 ft. BGL
MW ID	MW61B	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW61B-202307	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1517									
1527	.2	/	5.67	21.4	6.91	1570	1.56	-51	17.9
1532	/	/	5.61	21.7	6.97	1510	1.29	-58	15.7
1537	↓	/	5.64	21.6	6.96	1520	1.34	-56	16.1

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)
1550	40ML / 120ML	G / P	3 / 1	☒ filtered ☐ unfiltered	HCL / HNO3	VOCS / METALS
1550	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	19.02 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-13-23	**Reference Point**	☒ Top of casing	**Depth to Water**	19.02 ft. BGL
MW ID	MW27C	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW27C-20230713	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1416									
1426	.2	/	19.14	22.6	6.47	1360	0.86	-77	4.7
1431	/	/	19.21	22.2	6.41	1370	0.76	-72	3.1
1436	↓	/	19.22	22.3	6.42	1390	0.77	-73	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)
1449	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1449	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3146585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.13 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-13-23	**Reference Point**	☒ Top of casing	**Depth to Water**	6.13 ft. BGL
MW ID	MW27A	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW27A-20230713	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**	/ ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1321									
1331	.2	/	6.31	21.7	6.91	1660	0.79	-26	8.6
1336	/	/	6.34	21.6	6.96	1610	0.62	-20	7.1
1341	↓	/	6.36	21.6	6.97	1620	0.61	-21	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)
1355	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1355	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.61 ft. BMP
Site Location	UPER-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-13-23	**Reference Point**	☒ Top of casing	**Depth to Water**	8.61 ft. BGL
MW ID	TW4B	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-TW4B-20230713	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1142									
1152	.2	/	8.84	22.4	6.99	1000	0.36	-32	13.7
1157	↓	/	8.86	22.7	6.94	1020	0.15	-34	12.4
1202	↓	/	8.87	22.9	6.96	1010	0.18	-33	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)
1215	40ML / 120ML	G / P	3 / 1	☒ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1215	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.43	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-13-23	**Reference Point**	☒ Top of casing	**Depth to Water**	8.43	ft. BGL
MW ID	MW39B	**Location**	☐ Other	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW39B-20230713	**Water Quality**		**MW Diameter**	20	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0954									
1004	.2	/	8.67	23.7	6.79	1690	0.71	-71	8.1
1009	/	/	8.69	23.5	6.73	1640	0.63	-66	9.2
1014	↓	/	8.69	23.4	6.74	1650	0.67	-67	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)
1025	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1025	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	10.89 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-13-23	**Reference Point**	☒ Top of casing	**Depth to Water**	10.89 ft. BGL
MW ID	MW13	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW13-202307	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0906									
0916	.2	/	11.17	22.7	6.91	1460	0.21	-39	10.6
0921	/	/	11.19	22.9	6.97	1400	0.14	-34	9.1
0926	↓	/	11.20	22.9	6.96	1410	0.17	-36	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)
0935	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
0935	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	14065585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	26.79 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-13-23	**Reference Point**	☒ Top of casing	**Depth to Water**	26.79 ft. BGL
MW ID	MW72B	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW72B-20230713	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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 0809	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
0809	.2	/	26.94	22.7	6.84	1430	0.62	-12	5.7
0824	/	/	26.94	22.4	6.77	1460	0.52	-6	5.1
0829	↓	/	26.95	22.4	6.79	1470	0.51	-9	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)
0840	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
0840	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	13.77 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-13-23	**Reference Point**	☒ Top of casing	**Depth to Water**	13.77 ft. BGL
MW ID	MW57B	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW57B-20230713	**Water Quality**		**MW Diameter**	_____ inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	1 gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0712									
0722	.2	1	13.92	22.8	6.76	1560	0.36	-101	4.6
0727	↓	1	13.93	22.5	6.71	1510	0.25	-93	3.4
0732	↓	1	13.93	22.6	6.72	1510	0.27	-96	3.9

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
0745	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
0745	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3146585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	13.54 ft. BMP
Site Location	UPER-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-12-23	**Reference Point**	☒ Top of casing	**Depth to Water**	13.54 ft. BGL
MW ID	MW57A	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW57A 20230712	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1717									
1727	.2	/	13.77	23.5	6.51	1540	0.41	-76	1.7
1732	/	/	13.79	23.5	6.57	1580	0.32	-79	3.4
1737	↓	/	13.79	23.7	6.59	1570	0.34	-79	2.3

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1750	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1750	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	12.34 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-12-23	**Reference Point**	☒ Top of casing	**Depth to Water**	12.34 ft. BGL
MW ID	MW58A	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW58A-20230712	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1617									
1627	.2	/	12.62	22.7	6.62	1370	0.36	-74	6.2
1632	/	/	12.64	22.1	6.68	1310	0.43	-75	5.2
1637	↓	/	12.65	22.2	6.67	1320	0.41	-78	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)
1650	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1650	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	X Dedicated equipment	**Depth to Water**	16.53 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-12-23	**Reference Point**	~~X~~ Top of casing	**Depth to Water**	16.53 ft. BGL
MW ID	MW18A	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW18A-20230712	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	~~X~~ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1524									
1534	.2	/	16.72	22.7	6.97	1710	0.79	-36	5.2
1539	/	/	16.75	22.6	6.91	1750	0.72	-31	4.1
1544	↓	/	16.75	22.6	6.92	1740	0.74	-32	4.6

Purging was completed based on: X 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)
1555	40mL / 120mL	G / P	3 / 1	☐ filtered ~~X~~ unfiltered	HCL / HNO3	VOCs / METALS - VINYL CHLORIDE
1555	1L	G	2	☐ filtered X unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ~~X~~ ☐ 10 Low Flow Groundwater Sample Collection.

Field Team Leader JOHN BRAYTON (name) (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	17.22 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-17-23	**Reference Point**	☒ Top of casing	**Depth to Water**	17.22 ft. BGL
MW ID	MW46	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW46-20230717	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1409									
1419	.2	/	17.39	22.9	6.67	1710	1.12	-21	7.2
1424	/	/	17.41	22.5	6.54	1750	0.95	-16	6.2
1429	↓	/	17.42	22.6	6.57	1740	0.96	-17	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)
1440	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1440	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3147655.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	17.22 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-17-23	**Reference Point**	☒ Top of casing	**Depth to Water**	17.22 ft. BGL
MW ID	MW53C	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW53C-20230717	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1319									
1329	.2	/	17.41	23.4	6.74	1740	1.46	-21	8.6
1334	/	/	17.44	23.7	6.70	1700	1.36	-16	6.2
1339	↓	/	17.46	23.7	6.71	1710	1.39	-17	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)
1350	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1350	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	16.96 ft. BMP
Site Location	UPER-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-17-23	**Reference Point**	☒ Top of casing	**Depth to Water**	16.96 ft. BGL
MW ID	MW54C	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW54C-20230717	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1222									
1232	.2	/	17.09	22.7	6.71	1460	0.79	-42	3.9
1237	/	/	17.12	22.3	6.59	1470	0.64	-36	2.8
1242	↓	/	17.13	22.4	6.56	1470	0.67	-39	2.6

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1255	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1255	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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

GOLDER

Project/Phase	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	12.13	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-17-23	**Reference Point**	☒ Top of casing	**Depth to Water**	12.13	ft. BGL
MW ID	MW69A	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW69A-20230717	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1048									
1058	.2	/	12.39	21.9	7.12	1690	1.34	-77	9.4
1103	↓	/	12.43	21.6	7.01	1640	1.06	-73	8.6
1108	↓	/	12.42	21.7	7.02	1670	1.12	-74	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1115	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1115	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	14065585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	9.54 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-17-23	**Reference Point**	☒ Top of casing	**Depth to Water**	9.54 ft. BGL
MW ID	MW47A	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW47A-20230717	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0949									
0959	.2	/	9.76	22.4	6.96	1730	0.46	-16	8.6
1004	/	/	9.81	22.0	6.91	1770	0.30	-11	7.2
1009	↓	/	9.84	22.1	6.89	1790	0.31	-12	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)
1020	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1020	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3146585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.82 ft. BMP
Site Location	VPRR-HWPW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-17-23	**Reference Point**	☒ Top of casing	**Depth to Water**	8.82 ft. BGL
MW ID	MW608	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW608-20230717	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0857									
0907	.2	/	9.06	22.6	6.91	1390	0.41	-36	8.16
0912	/	/	9.11	22.7	6.92	1340	0.20	-30	9.6
0917	↓	/	9.14	23.1	6.96	1340	0.21	-31	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
0925	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
0925	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3147655.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.52 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-17-23	**Reference Point**	☒ Top of casing	**Depth to Water**	8.52 ft. BGL
MW ID	MW60AR	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW60AR-20230717	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0809									
0819	.2	/	8.79	23.6	7.14	1290	0.56	-61	4.2
0824	/	/	8.82	23.8	7.08	1250	0.29	-52	3.2
0829	↓	/	8.84	23.9	7.09	1260	0.32	-56	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)
0840	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
0840	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3147685S.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	18.08 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-17-23	**Reference Point**	☒ Top of casing	**Depth to Water**	18.08 ft. BGL
MW ID	MW47C	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW47C-20230717	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0712									
0722	.2	/	18.41	21.4	7.11	1720	0.24	-22	9.3
0727	↓	/	18.47	21.6	7.06	1770	0.15	-14	7.4
0732	↓	/	18.51	21.7	7.07	1760	0.18	-16	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)
0745	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
0745	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	85.12 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-14-23	**Reference Point**	☒ Top of casing	**Depth to Water**	85.12 ft. BGL
MW ID	MW36D	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW36D-20230714	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☐ Peristaltic ☒ Bladder	**Unit Number**	U-50	**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
1329									
1339	.2	/	85.23	21.9	7.12	1290	1.17	-21	4.7
1344	↓	/	85.26	21.4	7.06	1250	1.04	-12	3.3
1349	↓	/	85.26	21.6	7.07	1260	1.06	-14	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)
1400	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1400	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	85.01 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-14-23	**Reference Point**	☒ Top of casing	**Depth to Water**	85.01 ft. BGL
MW ID	MW65D	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW65D-20230714	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☒ Bladder	**Unit Number**	U-50	**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 (1213)	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
1223	.2	/	85.16	22.6	6.91	1460	0.51	-79	4.6
1228	↓	/	85.19	23.2	6.99	1410	0.33	-75	3.1
1233	↓	/	85.20	23.4	6.97	1430	0.36	-76	3.3

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)
1250	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1250	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	84.09 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-14-23	**Reference Point**	☒ Top of casing	**Depth to Water**	84.09 ft. BGL
MW ID	MW66D	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW66D-20230714	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**	/ ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1107									
1117	.2	/	84.21	22.9	7.16	1320	0.26	-71	7.4
1122	/	/	84.24	22.4	7.10	1340	0.14	-62	1.9
1127	↓	/	84.24	22.6	7.12	1360	0.16	-61	2.6

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1135	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1135	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BEAUDOIN (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	14065585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	82.16	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-14-23	**Reference Point**	☑ Top of casing	**Depth to Water**	82.16	ft. BGL
MW ID	MW59D	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW59D-20230714	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1003									
1013	.2	/	82.31	21.9	7.18	1110	0.56	-41	6.7
1018	/	/	82.34	21.6	7.13	1170	0.42	-46	5.1
1023	↓	/	82.37	21.6	7.13	1190	0.41	-44	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)
1040	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO_3	VOCs / METALS
1040	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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-FD02-20230714
1040-sample time

Field Team Leader JOHN BRAYTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.09 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-18-23	**Reference Point**	☒ Top of casing	**Depth to Water**	6.09 ft. BGL
MW ID	MW35A	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW35A-20230718	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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	/	6.31	21.7	6.79	1510	0.76	-37	4.6
1647	↓	/	6.34	21.4	6.72	1560	0.59	-31	3.1
1652	↓	/	6.38	21.3	6.74	1580	0.62	-34	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.			
1705	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1705	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3146585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.23 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-18-23	**Reference Point**	☒ Top of casing	**Depth to Water**	6.23 ft. BGL
MW ID	MW35B	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW35B-20230718	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**	/ ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1543									
1553	.2	/	6.46	22.4	6.71	1510	0.41	-39	8.6
1558	/	/	6.51	22.6	6.78	1570	0.36	-35	9.1
1603	↓	/	6.54	22.7	6.79	1590	0.34	-36	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)
1615	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1615	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140655.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.51 ft. BMP
Site Location	UPER-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-18-23	**Reference Point**	☒ Top of casing	**Depth to Water**	7.51 ft. BGL
MW ID	MW83B	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW83B-20230718	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	1 gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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	1	7.74	23.6	6.91	1190	0.34	-77	9.6
1454	1	1	7.79	23.1	6.96	1160	0.22	-75	8.1
1459	↓	1	7.82	23.2	6.94	1170	0.23	-76	8.2

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.			
1520	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1520	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☒ 10 Low Flow Groundwater Sample Collection.

(R) WG-1620-FD04-20230718
1520-sample time

Field Team Leader JOHN BRAXTON (name) (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	18.84 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-18-23	**Reference Point**	☑ Top of casing	**Depth to Water**	18.94 ft. BGL
MW ID	MW83C	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW83C-20230718	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1356									
1406	.2	/	19.12	22.4	6.76	1310	0.67	-67	10.7
1411	↓	/	19.16	22.6	6.82	1370	0.54	-61	9.1
1416	↓	/	19.18	22.7	6.81	1360	0.57	-62	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1425	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1425	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAUTIGAM (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	4.64	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-18-23	**Reference Point**	☒ Top of casing	**Depth to Water**	4.64	ft. BGL
MW ID	MW82B	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW82B-20230718	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	—	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1311									
1324	.2		4.96	24.9	6.93	1210	0.39	-26	5.6
1326	↓		5.06	24.5	6.87	1270	0.17	-22	3.3
1331	↓		5.11	24.6	6.86	1260	0.21	-21	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)
1340	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1340	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.06	ft. BMP
Site Location	VPRR-HWPW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-18-23	**Reference Point**	☒ Top of casing	**Depth to Water**	6.06	ft. BGL
MW ID	MW93B	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW93B-20230718	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1221									
1231	.2	/	6.31	21.7	6.97	1260	0.41	-7	3.6
1236	/	/	6.36	21.9	6.91	1290	0.26	-7	2.7
1241	↓	/	6.37	21.9	6.92	1290	0.31	-6	2.3
Purging was completed based on:	☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)								

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1250	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1250	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.37	ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-18-23	**Reference Point**	☒ Top of casing	**Depth to Water**	8.37	ft. BGL
MW ID	MW89B	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW89B-20230718	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1129									
1139	.2		8.61	22.9	6.91	890	1.12	-36	8.6
1144	"		8.64	22.5	6.95	860	0.96	-31	7.1
1149	↓		8.65	22.6	6.96	870	0.93	-32	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)
1200	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1200	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3147685.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.87 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-18-23	**Reference Point**	☒ Top of casing	**Depth to Water**	7.87 ft. BGL
MW ID	MW91A	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW91A-20230718	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0922									
0932	.2	/	8.16	22.3	6.56	1320	0.29	-79	10.6
0937	/	/	8.21	22.1	6.49	1350	0.18	-75	9.1
0942	↓	/	8.25	21.7	6.46	1360	0.16	-76	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)
1000	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1000	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with the applicable requirements of Golder's Quality Assurance Program and Standard Operating Procedure ☐ 9 Conventional Groundwater Sample Collection ☒ 10 Low Flow Groundwater Sample Collection.

DUG-1620-FD03-20230718
1000 - Sample time

Field Team Leader JOHN BRAXTON (name) (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.63 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-18-23	**Reference Point**	☒ Top of casing	**Depth to Water**	7.63 ft. BGL
MW ID	MW28A	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW28A-20230718	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0839									
0849	.2	/	7.86	22.4	6.46	1360	0.96	-71	1.9
0854	/	/	7.89	22.6	6.31	1320	0.85	-65	2.7
0859	↓	/	7.89	22.7	6.29	1330	0.86	-66	1.7

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
0910	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
0910	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BEAUDOIN (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	16.57	ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-18-23	**Reference Point**	☒ Top of casing	**Depth to Water**	16.57	ft. BGL
MW ID	MW28C	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW28C-20230718	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0756									
0806	.2	/	16.91	22.7	6.56	1570	0.77	-34	10.3
0811	↓	/	16.95	22.4	6.52	1510	0.81	-31	9.1
0816	↓	/	16.98	22.6	6.51	1520	0.79	-29	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)
0825	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
0825	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	16.87 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-18-23	**Reference Point**	☒ Top of casing	**Depth to Water**	16.87 ft. BGL
MW ID	MW87C	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW87C-20230718	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0706									
0716	.2	/	17.04	22.3	7.12	1410	0.92	-16	7.4
0721	↓	/	17.07	22.6	7.07	1460	0.77	-17	6.3
0726	↓	/	17.09	22.9	706	1460	0.79	-17	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)
0735	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
0735	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	17.58 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-17-23	**Reference Point**	☒ Top of casing	**Depth to Water**	17.58 ft. BGL
MW ID	MW44C	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW44C-20230717	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1712									
1722	.2	/	17.81	21.9	6.49	1520	0.76	-74	8.6
1727	↓	/	17.84	21.5	6.43	1570	0.51	-70	7.4
1732	↓	/	17.85	21.6	6.41	1560	0.52	-71	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)
1745	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1745	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	16.91 ft. BMP
Site Location	VRR-HWPW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-17-23	**Reference Point**	☒ Top of casing	**Depth to Water**	16.91 ft. BGL
MW ID	MW25C	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW25C-20230717	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1607									
1617	.2	/	17.17	23.4	6.82	1770	0.26	-46	5.6
1622	↓	/	17.21	23.8	6.90	1730	0.11	-41	8.2
1627	↓	/	17.22	23.7	6.89	1740	0.13	-42	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1640	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1640	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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

Page 1 of 1

GOLDER

Project/Phase	14065585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.67	ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-17-23	**Reference Point**	☒ Top of casing	**Depth to Water**	7.67	ft. BGL
MW ID	MW25A	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW25A-20230717	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1506									
1516	.2	/	7.89	22.7	6.81	1410	0.39	-39	6.7
1521	/	/	7.91	22.3	6.85	1360	0.26	-33	5.7
1526	↓	/	7.92	22.4	6.84	1370	0.26	-34	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.			
1535	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1535	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3147D6585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.91	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-14-23	**Reference Point**	☒ Top of casing	**Depth to Water**	7.91	ft. BGL
MW ID	MW59B	**Location**	☐ Other	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW59B-20230714	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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)
0856	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
0906	.2	/	8.14	23.4	7.02	1190	0.79	-33	7.4
0911	/	/	8.14	23.6	6.95	1150	0.62	-34	5.6
0916	↓	/	8.17	23.9	6.97	1170	0.67	-39	6.1

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)
0925	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
0925	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3147065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.09 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-20-23	**Reference Point**	☒ Top of casing	**Depth to Water**	6.09 ft. BGL
MW ID	MW33BR	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW33BR 20230720	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0852									
0902	.2	/	6.22	23.4	6.74	1460	1.39	-63	3.4
0907	/	/	6.26	22.9	6.68	1410	1.19	-62	5.6
0912	↓	/	6.29	22.9	6.67	1420	1.22	-62	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)
0925	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
0925	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	14065585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	4.97 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-20-23	**Reference Point**	☒ Top of casing	**Depth to Water**	4.97 ft. BGL
MW ID	MW94A	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW94A 20230720	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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)
0802	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
0812	.2	/	5.17	22.9	6.64	1290	0.59	-26	4.6
0817	/	/	5.21	22.5	6.73	1240	0.43	-17	3.6
0822	↓	/	5.23	22.6	6.72	1240	0.46	-19	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)
0830	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO_3	VOCs / METALS
0830	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	14065585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	5.34	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-20-23	**Reference Point**	☒ Top of casing	**Depth to Water**	5.34	ft. BGL
MW ID	MW32A	**Location**	☐ Other	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW32A-20230720	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0704									
0714	.2	/	5.67	22.9	7.12	1710	1.34	-47	5.6
0719	↓	/	5.71	22.3	7.01	1660	1.06	-37	3.9
0724	↓	/	5.72	22.5	7.03	1670	1.09	-39	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)
0735	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
0735	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	14106585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	5.21 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-19-23	**Reference Point**	☒ Top of casing	**Depth to Water**	5.21 ft. BGL
MW ID	MW38B	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW38B-20230719	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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	/	5.39	22.4	6.57	1690	0.91	-56	5.7
1749	/	/	5.43	22.8	6.51	1620	0.74	-51	3.6
1754	↓	/	5.45	22.9	6.52	1630	0.76	-53	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)
1805	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1805	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BEAUDOIN (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3141065BS.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	5.94 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-19-23	**Reference Point**	☒ Top of casing	**Depth to Water**	5.94 ft. BGL
MW ID	MW22BR	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW22BR-20230719	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1641									
1651	.2		6.21	22.9	6.51	1760	0.76	-11	4.6
1656			6.26	22.5	6.57	1710	0.63	-5	3.6
1701	↓		6.29	22.6	6.59	1710	0.61	-6	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)
1715	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1715	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	5.84	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-19-23	**Reference Point**	☒ Top of casing	**Depth to Water**	5.84	ft. BGL
MW ID	MW22AR	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW22AR 20230719	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1546									
1556	.2	/	6.12	21.9	6.46	1670	0.91	-23	5.7
1601	↓	/	6.16	21.6	6.52	1610	0.72	-16	4.1
1606	↓	/	6.18	21.7	6.51	1620	0.76	-19	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)
1620	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1620	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3147065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	5.77 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-19-23	**Reference Point**	☒ Top of casing	**Depth to Water**	5.77 ft. BGL
MW ID	MW63B	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW63B-20230719	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1437									
1447	.2	/	5.91	22.4	6.67	1690	1.12	-101	5.7
1452	/	/	5.97	22.8	6.58	1620	0.93	-94	4.3
1457	↓	/	6.02	22.7	6.59	1630	0.96	-96	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)
1510	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO_3	VOCs / METALS
1510	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	5.62 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-19-23	**Reference Point**	☒ Top of casing	**Depth to Water**	5.62 ft. BGL
MW ID	MW92B	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW92B-20230719	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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	/	5.81	21.9	6.79	1490	0.34	-76	21.7
1357	/	/	5.84	21.4	6.73	1460	0.21	-82	16.7
1402	↓	/	5.86	21.6	6.74	1470	0.23	-81	17.4

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)
1415	40mL / 120mL	G / P	3 / 1	☒ filtered ☐ unfiltered	HCL / HNO3	VOCs / METALS
1415	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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

GOLDER

Project/Phase	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.22	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-19-23	**Reference Point**	☒ Top of casing	**Depth to Water**	7.22	ft. BGL
MW ID	MW90B	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW90B-20230719	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1249									
1259	.2	/	7.41	22.7	6.47	1230	1.46	-36	7.4
1304	/	/	7.44	22.2	6.41	1160	1.29	-41	6.3
1309	↓	/	7.46	22.3	6.42	1170	~~1.26~~	-43	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)
1320	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO_3	VOCs / METALS
1320	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.53	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-19-23	**Reference Point**	☒ Top of casing	**Depth to Water**	7.53	ft. BGL
MW ID	MW84A	**Location**	☐ Other	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW84A-20230719	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1156									
1206	.2	/	7.74	22.7	6.79	1470	0.71	-76	7.2
1211	↓	/	7.77	22.4	6.72	1430	0.64	-82	7.4
1216	↓	/	7.78	22.3	6.71	1420	0.63	-81	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1225	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1225	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.57	ft. BMP
Site Location	UPR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-19-23	**Reference Point**	☒ Top of casing	**Depth to Water**	7.57	ft. BGL
MW ID	MW84B	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW84B-20230719	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0941									
0951	.2	/	7.74	21.2	7.04	1690	0.34	-61	6.2
0956	↓	/	7.77	21.8	6.96	1610	0.22	-54	8.1
1001	↓	/	7.79	21.9	6.97	1620	0.26	-56	7.2

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1015	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1015	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	14106585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	18.04	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-19-23	**Reference Point**	☒ Top of casing	**Depth to Water**	18.04	ft. BGL
MW ID	MW68C	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW68C-20230719	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**	/	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0853									
0903	.2	/	18.16	22.4	6.81	1470	0.76	-16	5.6
0908	/	/	18.18	22.0	6.93	1420	0.49	-10	3.7
0913	↓	/	18.18	22.1	6.92	1430	0.51	-11	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
0925	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
0925	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BEAUDOIN (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3141065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.63 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-19-23	**Reference Point**	☒ Top of casing	**Depth to Water**	6.63 ft. BGL
MW ID	MW68B	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW68B-20230719	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0806									
0816	.2	|	6.84	22.1	6.71	1610	0.59	-21	8.6
0821	|	|	6.87	22.7	6.77	1670	0.44	-26	9.6
0826	↓	|	6.86	22.6	6.76	1670	0.47	-26	9.3

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)
0835	40mL | 120mL	G | P	3 | 1	☐ filtered ☒ unfiltered	HCL | HNO3	VOCs | METALS
0835	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3147065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.33	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-19-23	**Reference Point**	☑ Top of casing	**Depth to Water**	6.33	ft. BGL
MW ID	MW68A	**Location**	☐ Other	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW68A-20230719	**Water Quality**		**MW Diameter**	2D	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-SD	**Pump Intake Depth**		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate	Cumulative Purge Volume	Depth to Water	Temp (°C)	pH	Conductivity (µS/m or mS/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
0713									
0723	.2	/	6.51	21.6	6.96	1510	0.46	-27	11.7
0728	↓	/	6.53	21.7	6.90	1580	0.32	-23	7.4
0733	↓	/	6.54	21.9	6.91	1570	0.34	-23	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)
0745	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO_3	VOCs / METALS
0745	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3141D6585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	18.17 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-24-23	**Reference Point**	☒ Top of casing	**Depth to Water**	18.17 ft. BGL
MW ID	MW48C	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW48C-20230724	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0809									
0819	.2	/	18.29	22.2	6.79	1210	0.39	-21	7.2
0824	/	/	18.33	22.9	6.70	1270	0.24	-14	6.2
0829	↓	/	18.34	22.7	6.71	1260	0.26	-16	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)
0845	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
0845	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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-FD06-20230724
0845-Dample time

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name

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Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3147065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	9.56 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-24-23	**Reference Point**	☒ Top of casing	**Depth to Water**	9.56 ft. BGL
MW ID	MW67B	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW67B-20230724	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0712									
0722	.2	/	9.74	21.2	7.11	1260	0.39	-17	6.7
0727	↓	/	9.77	21.7	7.05	1320	0.24	-23	5.7
0732	↓	/	9.78	21.6	7.06	1310	0.26	-21	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	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
0745	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
0745	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	17.29 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-21-23	**Reference Point**	☒ Top of casing	**Depth to Water**	17.29 ft. BGL
MW ID	MW54B	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW54B-20230721	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1003									
1013	.2	/	17.42	21.4	6.56	1690	1.09	-16	5.7
1018	/	/	17.46	21.8	6.48	1630	0.94	-11	3.7
1023	↓	/	17.48	21.7	6.49	1620	0.96	-12	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)
1040	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO_3	VOCs / METALS
1040	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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

Page 1 of 1

GOLDER

Project/Phase	14106585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	17.56	ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-21-23	**Reference Point**	☑ Top of casing	**Depth to Water**	17.56	ft. BGL
MW ID	MW99C	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW99C-20230721	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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)
0912	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
0922	.2	/	17.79	23.4	6.64	1070	0.47	-31	19.7
0927	↓	/	17.84	23.1	6.54	1010	0.31	-25	16.7
0932	↓	/	17.86	23.4	6.57	1030	0.32	-27	17.2

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
0945	40mL / 120mL	G / P	3 / 1	☒ filtered ☐ unfiltered	HCL / HNO_3	VOCs / METALS
0945	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	14065585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	2.64	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-21-23	**Reference Point**	☒ Top of casing	**Depth to Water**	2.64	ft. BGL
MW ID	MW95A	**Location**	☐ Other	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW95A 20230721	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0804									
0814	.2	/	2.97	22.9	6.79	1380	1.06	-36	5.7
0819	/	/	2.99	22.6	6.74	1330	0.79	-34	4.2
0824	↓	/	2.99	22.7	6.77	1340	0.82	-34	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
0835	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
0835	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

GOLDER

Project/Phase	3140655.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	1.77 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-20-23	**Reference Point**	☒ Top of casing	**Depth to Water**	1.77 ft. BGL
MW ID	MW96B	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW96B-20230720	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-SD	**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
0703									
0713	.2	/	2.39	23.6	7.12	1260	0.67	-41	9.3
0718	/	/	2.44	23.7	7.01	1190	0.52	-37	8.3
0723	↓	/	2.49	23.7	7.04	1210	0.53	-36	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)
0735	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
0735	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140655.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	9.17 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-20-23	**Reference Point**	☒ Top of casing	**Depth to Water**	9.17 ft. BGL
MW ID	MW36A	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW36A-20230720	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1726									
1736	.2	/	9.31	23.7	6.56	1510	0.29	-26	21.3
1741	↓	/	9.36	23.2	6.50	1460	0.21	-22	21.4
1746	↓	/	9.38	23.4	6.51	1470	0.22	-21	21.9

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)
1755	40mL / 120mL	G / P	3 / 1	☒ filtered ☐ ~~unfiltered~~	HCL / HNO_3	VOCs / METALS
1755	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	1.34 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-20-23	**Reference Point**	☒ Top of casing	**Depth to Water**	1.34 ft. BGL
MW ID	MW1B	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW1B-202307	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1621									
1631	.2	/	1.56	21.3	6.78	1530	0.67	-21	7.3
1636	↓	/	1.61	21.7	6.65	1570	0.53	-14	6.4
1641	↓	/	1.63	21.6	6.67	1590	0.56	-16	6.6

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1650	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1650	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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

Page 1 of 1

GOLDER

Project/Phase	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.24	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-20-23	**Reference Point**	☒ Top of casing	**Depth to Water**	6.24	ft. BGL
MW ID	MW32AR	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW32AR-20230720	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☑ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1523									
1533	.2	/	6.41	21.4	6.79	1610	0.46	-29	21.7
1538	/	/	6.46	21.9	6.72	1540	0.36	-20	16.7
1543	↓	/	6.48	21.9	6.72	1560	0.39	-21	17.9

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)
1555	40mL / 120mL	G / P	3 / 1	☒ filtered ☐ unfiltered	HCL / HNO3	VOCs / METALS
1555	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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

Page 1 of 1

GOLDER

Project/Phase	14065585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.03 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-20-23	**Reference Point**	☒ Top of casing	**Depth to Water**	6.03 ft. BGL
MW ID	MW32B	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW32B-20230720	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1434									
1444	.2	/	6.21	23.7	6.87	1590	0.79	-101	12.6
1449	/	/	6.23	23.1	6.81	1560	0.62	-95	9.2
1454	↓	/	6.24	23.2	6.82	1510	0.67	-97	9.3

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)
1505	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO_3	VOCS / METALS
1505	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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

GOLDER

Project/Phase	3147065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.34	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-20-23	**Reference Point**	☒ Top of casing	**Depth to Water**	6.34	ft. BGL
MW ID	MW70B	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW70B 20230720	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**		ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1337									
1347	.2	/	6.43	22.7	6.84	1560	1.89	-72	8.6
1352	↓	/	6.46	22.2	6.74	1510	1.59	-60	7.2
1357	↓	/	6.48	22.3	6.76	1520	1.62	-61	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1410	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1410	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	18.02 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-20-23	**Reference Point**	☒ Top of casing	**Depth to Water**	18.02 ft. BGL
MW ID	MW70C	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW70C-20230720	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**	/ ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1247									
1257	.2	/	18.21	21.9	6.67	1610	0.86	-27	8.6
1302	/	/	18.24	21.1	6.54	1550	0.71	-21	7.3
1307	↓	/	18.25	21.2	6.57	1560	0.74	-22	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)
1315	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1315	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.82 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-20-23	**Reference Point**	☐ Top of casing	**Depth to Water**	6.82 ft. BGL
MW ID	MW33A	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW33A-20230720	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1141									
1151	.2	/	6.94	22.9	6.96	1430	1.09	-76	7.7
1156	/	/	6.96	22.4	6.90	1460	0.92	-82	6.1
1201	↓	/	6.97	22.6	6.91	1470	0.93	-81	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)
1220	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO_3	VOCs / METALS
1220	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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-FD05-20230720
1220 - sample time

Field Team Leader JOHN BRAYTON (name) _____ (signature)

Groundwater Sample Collection

GOLDER

Project/Phase	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.03	ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-20-23	**Reference Point**	☒ Top of casing	**Depth to Water**	7.03	ft. BGL
MW ID	MW26A	**Location**	☐ Other	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW26A-202307	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0948									
0958	.2	/	7.24	21.4	6.56	1620	0.46	-29	7.7
1003	/	/	7.24	21.1	6.50	1670	0.33	-25	8.4
1008	↓	/	7.25	21.2	6.51	1680	0.34	-26	8.1

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1020	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1020	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	14106585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.17 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-25-23	**Reference Point**	☐ Top of casing	**Depth to Water**	8.17 ft. BGL
MW ID	MW59A	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW59A-20230725	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1024									
1034	.2	/	8.29	23.7	7.12	1140	0.62	-39	5.7
1039	/	/	8.31	23.3	7.01	1190	0.52	-44	4.7
1044	↓	/	8.32	23.4	7.02	1190	0.51	-46	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)
	[illegible]	[illegible]	[illegible]	☐ filtered ☐ unfiltered	[illegible]	[illegible]
1050	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	5.46	ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-25-23	**Reference Point**	☐ Top of casing	**Depth to Water**	5.46	ft. BGL
MW ID	MW61B	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW61B-20230725	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-SD	**Pump Intake Depth**	/	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0941									
0951	.2		5.62	22.7	6.81	1570	1.34	-61	21.3
0956			5.64	22.2	6.92	1520	1.12	-50	14.2
1001	↓		5.65	22.3	6.91	1510	1.16	-51	14.7

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
[illegible]	[illegible]	[illegible]	[illegible]	☐ filtered ☐ unfiltered	[illegible]	[illegible]
1010	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3141065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.72 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-25-23	**Reference Point**	☐ Top of casing	**Depth to Water**	8.72 ft. BGL
MW ID	MW61A	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW61A-20230725	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**	/ ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
0856									
0906	.2	/	8.93	21.6	6.82	1430	0.59	-26	10.7
0911	/	/	8.96	21.8	6.76	1460	0.52	-22	9.1
0916	↓	/	8.98	21.7	6.77	1470	0.51	-21	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
[illegible]	[illegible]	[illegible]	[illegible]	☐ filtered ☐ unfiltered	[illegible]	[illegible]
0925	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	19.02 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-25-23	**Reference Point**	☐ Top of casing	**Depth to Water**	19.02 ft. BGL
MW ID	MW27C	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW27C-20230725	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0754									
0804	.2	/	19.21	22.9	6.58	1460	1.09	-71	9.3
0809	/	/	19.24	22.6	6.51	1400	0.84	-65	4.1
0814	↓	/	19.26	22.7	6.53	1410	0.86	-67	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)
0825	[redacted]	[redacted]	[redacted]	☐ filtered ☐ unfiltered	[redacted]	[redacted]
0825	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.22 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-25-23	**Reference Point**	☐ Top of casing	**Depth to Water**	6.22 ft. BGL
MW ID	MW27A	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW27A 20230725	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0711									
0721	.2	/	6.39	22.9	6.93	1590	0.71	-31	7.9
0726	↓	/	6.41	22.1	6.91	1550	0.44	-25	6.1
0731	↓	/	6.42	22.2	6.92	1560	0.46	-27	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)
0740	[redacted]	[redacted]	[redacted]	☐ filtered ☐ unfiltered	[redacted]	[redacted]
0740	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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

GOLDER

Project/Phase	14106585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	9.61 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-24-23	**Reference Point**	☐ Top of casing	**Depth to Water**	9.61 ft. BGL
MW ID	MW49B	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW49B-20230724	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1541									
1551	.2	/	9.84	21.4	6.67	1490	0.21	-56	6.7
1556	/	/	9.87	21.6	6.58	1450	0.11	-48	5.1
1601	↓	/	9.89	21.7	6.59	1460	0.12	-49	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)
1610	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1610	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3141065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	10.12 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-24-23	**Reference Point**	☐ Top of casing	**Depth to Water**	10.12 ft. BGL
MW ID	MW49A	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW49A-20230724	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☐ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1444									
1454	.2	/	10.34	23.1	6.52	1470	0.22	-39	8.6
1459	/	/	10.37	23.1	6.41	1440	0.15	-33	7.1
1504	↓	/	10.38	23.2	6.46	1410	0.16	-34	7.3

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1515	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1515	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3147655.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.99 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-24-23	**Reference Point**	☐ Top of casing	**Depth to Water**	7.99 ft. BGL
MW ID	MW75B	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW75B-20230724	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1349									
1359	.2	/	8.22	22.7	6.84	1340	0.34	-31	7.9
1404	/	/	8.24	22.2	6.77	1300	0.23	-38	6.4
1409	↓	/	8.25	22.3	6.78	1310	0.21	-37	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)
1420	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1420	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.81 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-24-23	**Reference Point**	☐ Top of casing	**Depth to Water**	7.81 ft. BGL
MW ID	MW74B	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW74B-202307	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**	/ ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1247									
1257	.2	/	8.04	22.3	6.79	1260	0.57	-46	10.7
1302	/	/	8.07	22.8	6.71	1330	0.47	-40	8.6
1307	↓	/	8.08	22.9	6.72	1340	0.46	-41	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1320	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
1320	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BEAUDOIN (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	17.22	ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-24-23	**Reference Point**	☐ Top of casing	**Depth to Water**	17.22	ft. BGL
MW ID	MW45C	**Location**	☐ Other ____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW45C-20230724	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1143									
1153	.2	/	17.42	21.7	6.53	1440	0.63	-63	24.7
1158	/	/	17.44	21.7	6.48	1420	0.54	-58	21.4
1203	↓	/	17.45	21.9	6.49	1420	0.56	-59	21.3

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1215	40mL / 120mL	G / P	3 / 1	☒ filtered ☐ unfiltered	HCL / HNO3	VOCs / METALS
1215	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	10.23 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-24-23	**Reference Point**	☐ Top of casing	**Depth to Water**	10.23 ft. BGL
MW ID	MW44A	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW44A-20230724	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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 (MST)	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
1104	.2	/	10.46	23.1	6.71	1630	0.92	-39	6.7
1109	/	/	10.49	23.4	6.77	1680	0.77	-35	5.1
1114	↓	/	10.51	23.2	6.76	1670	0.71	-36	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)
1125	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1125	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	19.19 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-24-23	**Reference Point**	☐ Top of casing	**Depth to Water**	19.19 ft. BGL
MW ID	MW34CR	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW34CR-20230724	**Water Quality**		**MW Diameter**	4.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1007									
1017	.2	/	19.47	21.7	6.67	1630	1.09	-31	7.7
1022	/	/	19.51	21.4	6.58	1660	0.81	-22	4.3
1027	↓	/	19.52	21.7	6.56	1670	0.82	-21	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)
1035	40mL / 120mL	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCs / METALS
1035	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	5.74 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-24-23	**Reference Point**	☐ Top of casing	**Depth to Water**	5.74 ft. BGL
MW ID	MW36B	**Location**	☐ Other ____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW36B-20230724	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0916									
0926	.2	/	5.91	22.5	6.79	1410	1.59	-31	4.7
0931	↓	/	5.94	22.8	6.73	1440	1.41	-27	1.6
0936	↓	/	5.95	22.7	6.74	1430	1.47	-26	1.9

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)
0945	40ML / 120ML	G / P	3 / 1	☐ filtered ☒ unfiltered	HCL / HNO3	VOCS / METALS
0945	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3147065S5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	9.46 ft. BMP
Site Location	UPPER-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-25-23	**Reference Point**	☒ Top of casing	**Depth to Water**	9.46 ft. BGL
MW ID	MW41B	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW41B-20230725	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1319									
1329	.2	/	9.67	22.4	6.63	1240	0.91	-62	9.6
1334	↓	/	9.71	22.2	6.71	1280	0.77	-54	8.4
1339	↓	/	9.73	22.3	6.72	1270	0.74	-56	8.1

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1350	40ML / 120ML	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO3	VOCS / METALS
1350	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	10.02 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-25-23	**Reference Point**	☒ Top of casing	**Depth to Water**	10.02 ft. BGL
MW ID	MW12B	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW12B-20230725	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1223									
1233	.2	/	10.46	21.7	6.91	1210	0.39	-67	4.7
1238	/	/	10.49	21.6	6.86	1260	0.29	-73	3.6
1243	↓	/	10.54	21.6	6.89	1270	0.26	-74	3.9

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1255	40mL / 120mL	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO_3	VOCs / METALS
1255	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.12 ft. BMP
Site Location	UPRR-HWPW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-10-23	**Reference Point**	☒ Top of casing	**Depth to Water**	7.12 ft. BGL
MW ID	MW78A	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW78A 20230710	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0857									
0907	.2	/	7.23	22.9	6.59	1610	1.39	-34	12.6
0912	/	/	7.24	22.5	6.52	1650	1.22	-26	11.7
0917	↓	/	7.25	22.6	6.51	1640	1.24	-27	11.9

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)
0930	40mL / 120mL	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO3	VOCs / METALS
0930	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	14106585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	22.91 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-10-23	**Reference Point**	☒ Top of casing	**Depth to Water**	22.91 ft. BGL
MW ID	MW85C	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW85C-20230710	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0803									
0813	.2	/	23.16	21.9	7.14	1670	0.59	-71	5.7
0818	/	/	23.19	21.7	7.12	1610	0.47	-65	6.8
0823	↓	/	23.20	21.6	7.13	1590	0.49	-67	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)
0835	40ML / 120ML	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO3	VOCS / METALS
0835	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	5.77 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-10-23	**Reference Point**	☐ Top of casing	**Depth to Water**	5.77 ft. BGL
MW ID	MW77A	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW77A-20230710	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
0709									
0719	.2	5.96	[redacted]	21.3	6.79	1240	0.81	-57	10.7
0724	↓	5.97	[redacted]	21.6	6.71	1280	0.64	-52	9.1
0729	↓	5.97	[redacted]	21.7	6.72	1290	0.67	-52	9.3

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)
0740	40mL / 120mL	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO_3	VOCs / METALS
0740	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	14065585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	22.26 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-9-23	**Reference Point**	☒ Top of casing	**Depth to Water**	22.26 ft. BGL
MW ID	MW16C	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW16C-20230709	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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)
1546	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
1556	.2	/	22.41	21.9	6.63	1240	0.67	-71	8.6
1601	/	/	22.44	21.7	6.56	1280	0.59	-65	7.4
1606	↓	/	22.46	21.6	6.57	1270	0.57	-64	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)
1615	40mL / 120mL	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO_3	VOCs / METALS
1615	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	4.33 ft. BMP
Site Location	VPRR-HWPW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-9-23	**Reference Point**	☒ Top of casing	**Depth to Water**	4.33 ft. BGL
MW ID	MW76B	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW76B-20230709	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	1 gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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	1	4.46	21.8	6.61	1190	0.84	-74	8.6
1457	↓	1	4.49	21.4	6.52	1160	0.75	-60	7.1
1502	↓	1	4.51	21.5	6.51	1170	0.77	-61	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 (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1515	40mL / 120mL	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO3	VOCs / METALS
1515	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BEAUDOIN (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3147065B5.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	4.94 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-9-23	**Reference Point**	☒ Top of casing	**Depth to Water**	4.94 ft. BGL
MW ID	MW97A	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW97A-20230709	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1353									
1403	.2	/	5.16	23.4	7.11	1170	0.96	-67	7.7
1408	/	/	5.19	23.6	7.05	1140	0.70	-61	6.2
1413	↓	/	5.20	23.6	7.04	1130	0.71	-62	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)
1425	40mL / 120mL	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO_3	VOCs / METALS
1425	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3146585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	8.78 ft. BMP
Site Location	UPER-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-9-23	**Reference Point**	☒ Top of casing	**Depth to Water**	8.78 ft. BGL
MW ID	MW98B	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW98B-20230709	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1257									
1307	.2	/	9.09	23.4	7.09	1240	0.77	-41	9.7
1312	/	/	9.12	23.6	7.03	1210	0.56	-35	8.2
1317	↓	/	9.14	23.7	7.04	1210	0.53	-36	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)
1330	40ML / 120ML	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO3	VOCS / METALS
1330	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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 BRAXTON (name) _____ (signature)

Groundwater Sample Collection

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	6.92 ft. BMP
Site Location	VRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-9-23	**Reference Point**	☒ Top of casing	**Depth to Water**	6.92 ft. BGL
MW ID	MW98A	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW98A 202307	**Water Quality**		**MW Diameter**	2D inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1209									
1219	.2	/	7.09	23.7	7.03	1190	1.09	-101	11.7
1224	/	/	7.12	24.1	7.10	1170	1.05	-96	9.1
1229	↓	/	7.13	24.2	7.13	1170	1.06	-96	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)
1240	40mL / 120mL	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO_3	VOCs / METALS
1240	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.34 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-9-23	**Reference Point**	☒ Top of casing	**Depth to Water**	7.34 ft. BGL
MW ID	MW50B	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW50B-20230709	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**Pump Intake Depth**	ft. BGL

Standard volume capacity of monitoring wells: Schedule 40 PVC (1-inch OD, 0.04 gallons/foot; 2-inch OD, 0.16 gallons/foot; 4-inch OD, 0.65 gallons/foot)

Time	Purge Rate (L/min)	Cumulative Purge Volume (L)	Depth to Water (ft)	Temp (°C) ☐ NM	pH ☐ NM	Conductivity (µS/m or mS/cm) ☐ not measured	Dissolved Oxygen (mg/L) ☐ not measured	Redox Potential (mV) ☐ not measured	Turbidity (NTU) ☐ NM
1116									
1126	.2	/	7.51	21.9	6.81	1460	0.86	-41	17.6
1131	↓	/	7.53	21.5	6.84	1410	0.73	-36	16.4
1136	↓	/	7.54	21.6	6.84	1390	0.77	-33	16.8

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)
1145	40mL / 120mL	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO3	VOCs / METALS
1145	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	3.97	ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	—	ft.
Date	7-7-23	**Reference Point**	☒ Top of casing	**Depth to Water**	3.97	ft. BGL
MW ID	MW50A	**Location**	☐ Other _____	**Total MW Depth**	—	ft. BGL
Sample ID	WG-1620-MW50A-20230707	**Water Quality**		**MW Diameter**	2.0	inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/	gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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	/	4.51	23.1	6.63	1390	0.71	-46	4.7
1257	/	/	4.54	22.4	6.72	1350	0.53	-40	3.2
1302	↓	/	4.54	22.6	6.71	1360	0.56	-41	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)
1310	40mL / 120mL	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO_3	VOCs / METALS
1310	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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

Page 1 of 1

GOLDER

Project/Phase	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.63 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-7-23	**Reference Point**	☑ Top of casing	**Depth to Water**	7.63 ft. BGL
MW ID	MW80B	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW80B-20230707	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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	/	7.84	23.4	6.81	1670	0.39	-67	7.9
1212	/	/	7.86	23.7	6.88	1700	0.20	-58	7.1
1217	↓	/	7.87	23.7	6.89	1710	0.21	-59	7.2

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration	Preserved	Notes and Observations
Time	Volume	Composition (G / P)	No.	(10µm / 45µm)	(type)	(quality control sample, other)
1225	40ML / 120ML	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO3	VOCS / METALS
1225	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	3.94 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-7-23	**Reference Point**	☑ Top of casing	**Depth to Water**	3.94 ft. BGL
MW ID	MW81B	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW81B-20230707	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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	/	4.09	22.4	6.91	1410	0.46	-26	5.4
1124	/	/	4.11	22.6	6.94	1370	0.33	-17	4.3
1129	↓	/	4.12	22.7	6.94	1360	0.34	-16	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)
1140	40mL / 120mL	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO_3	VOCs / METALS
1140	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	31406585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	7.57 ft. BMP
Site Location	UPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-7-23	**Reference Point**	☑ Top of casing	**Depth to Water**	7.57 ft. BGL
MW ID	MW-51A	**Location**	☐ Other	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW51A-202307	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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
1003									
1013	.2	/	7.69	22.4	6.94	1690	1.09	-71	16.6
1018	/	/	7.71	22.8	6.89	1660	0.84	-77	10.9
1023	↓	/	7.72	22.6	6.89	1670	0.86	-76	11.7

Purging was completed based on: ☒ stabilization of water quality parameters ☐ removal of three well volumes ☐ removal of at least one half well volume (low yield well)

Bottles Collected				Filtration (10µm / 45µm)	Preserved (type)	Notes and Observations (quality control sample, other)
Time	Volume	Composition (G / P)	No.			
1035	40ML / 120ML	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO3	VOCS / METALS
1035	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCS

Notes: Record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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	3140585.016	**Equipment Decon**	☒ Dedicated equipment	**Depth to Water**	21.89 ft. BMP
Site Location	VPRR-HW PW		☐ Decon between locations	**Casing Stickup**	— ft.
Date	7-7-23	**Reference Point**	☒ Top of casing	**Depth to Water**	21.89 ft. BGL
MW ID	MW51C	**Location**	☐ Other _____	**Total MW Depth**	— ft. BGL
Sample ID	WG-1620-MW51C-20230707	**Water Quality**		**MW Diameter**	2.0 inches
Pump	☐ Waterra ☐ Submersible	**Meter Model**	HORIBA	**MW Volume**	/ gallons
	☒ Peristaltic ☐ Bladder	**Unit Number**	U-50	**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)
0912	(L/min)	(L)	(ft)	☐ NM	☐ NM	☐ not measured	☐ not measured	☐ not measured	☐ NM
0922	.2	/	22.07	22.4	6.85	1610	1.34	-71	13.7
0927	↓	/	22.11	22.8	6.82	1650	1.12	-62	8.6
0932	↓	/	22.14	22.9	6.81	1640	1.14	-61	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)
0945	40mL / 120mL	G / P	3 / 1	☐ filtered ☐ unfiltered	HCL / HNO_3	VOCs / METALS
0945	1L	G	2	☐ filtered ☒ unfiltered	NONE	SVOCs

Notes: record time at which purging is started. For low flow sampling, recommended stabilization criteria: temp ± 0.5°C; pH ± 0.1 units; conductivity ± 3%; DO ± 1 mg/L; ORP ± 10 mV; for at least three successive measurements that are made every 3-5 minutes with <1 foot of stable draw down.

Unless otherwise noted, groundwater sample collection was completed in accordance with 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)

GOLDER
MEMBER OF WSP

Monitoring Well Inspection Form

Project Name: UPRR - HWPW **Location:** HOUSTON, TX **Project No.:** 3140585.016

Well No.	Date of Inpsection	Is Well Easily Identified (name writen on casing) Y/N	Is Surface Completion in Good Condition Y/N	Is Well Outer Casing in Good Condition Y/N	Is Well Inner Casing in Good Condition Y/N	Is Well Secured, ie Locked Y/N	By	Action Required/Notes	NAPL? Y/N
MW36A		N	~~N~~ Y	Y	Y	Y	JTB	CANNOT CUT	N
MW76B		N	Y	Y	Y	Y		CANNOT CUT	N
MW75A		N	Y	Y	Y	Y		CANNOT CUT	N
MW99C		N	Y	Y	Y	Y			N
MW54B		N	Y	Y	Y	Y			N
MW67B		N	Y	Y	Y	Y			N
MW48C		N	Y	Y	Y	Y		CANNOT CUT	N
MW36B		N	Y	Y	Y	Y			N
MW34CR		N	Y	Y	Y	Y			N
MW44A		N	Y	Y	Y	Y		CAN CUT	N
MW45C		N	Y	Y	Y	Y		NO LID	N
MW74B		N	Y	Y	Y	Y		CANNOT CUT	N
MW75B		N	Y	Y	Y	Y		CANNOT CUT	N
MW49A		N	Y	Y	Y	Y			N
MW49B		N	Y	Y	Y	Y			N
MW12B		Y	Y	Y	Y	~~Y~~ N		PUMP IN WELL	
MW41B		Y	Y	Y	Y	N		PUMP IN WELL	

Sheet ___ of ___

GOLDER
MEMBER OF WSP

Monitoring Well Inspection Form

Project Name: UPRR-HWPW **Location:** HOUSTON, TX **Project No.:** 3140585.016

Well No.	Date of Inpsection	Is Well Easily Identified (name writen on casing) Y/N	Is Surface Completion in Good Condition Y/N	Is Well Outer Casing in Good Condition Y/N	Is Well Inner Casing in Good Condition Y/N	Is Well Secured, ie Locked Y/N	By	Action Required/Notes
MW47A		N	Y	Y	Y	Y	JTB	
MW69A		N	Y	Y	Y	Y		
MW54C		N	Y	Y	Y	Y		
MW53C		N	Y	Y	Y	Y		
MW46C		N	Y	Y	Y	Y		
MW25A		N	Y	Y	Y	Y		
MW25C		N	Y	Y	Y	Y		
MW44C		N	Y	Y	Y	Y		
MW87C		N	Y	Y	Y	Y		
MW28C		N	Y	Y	Y	Y		
MW28A		N	Y	Y	Y	Y		
MW91A		N	Y	Y	Y	Y		
MW89B		N	Y	Y	Y	Y		
MW93B		N	Y	Y	Y	Y		
MW82B		N	Y	Y	Y	Y		
MW83C		N	Y	Y	Y	Y		
MW83B		N	Y	Y	Y	Y		
MW35B		N	Y	Y	Y	Y		
MW35A		N	Y	Y	Y	Y		
MW68A		N	Y	Y	Y	Y		

NEW CAP

N N N N N N N N N N N Y N N N N N N N N Y N N

Sheet ___ of ___

GOLDER
MEMBER OF WSP

Monitoring Well Inspection Form

Project Name: UPRR- HMPW **Location:** HOUSTON, TX **Project No.:** 31406585.016

Well No.	Date of Inpsection	Is Well Easily Identified (name writen on casing) Y/N	Is Surface Completion in Good Condition Y/N	Is Well Outer Casing in Good Condition Y/N	Is Well Inner Casing in Good Condition Y/N	Is Well Secured, ie Locked Y/N	By	Action Required/Notes	NEW LOCK Y/N
MW51C		N	Y	Y	Y	Y	JTB		N
MW51A		N	Y	Y	Y	Y		CRACKED LID	N
MW81B		N	Y	Y	Y	Y			N
MW80B		N	Y	Y	Y	Y			N
MW50A		N	Y	Y	Y	Y			N
MW50B		N	Y	Y	Y	Y			N
MW98A		N	Y	Y	Y	Y			N
MW98B		N	Y	Y	Y	Y		CRACKED LID	N
MW97A		N	Y	Y	Y	Y			N
MW76B		N	Y	Y	Y	Y			N
MW76C		N	Y	Y	Y	Y			N
MW77A		N	Y	Y	Y	Y		4" WELL CANNOT CUT PVC FOR NEW CAP	N
MW85C		N	Y	Y	Y	Y			N
MW78A		N	Y	Y	Y	Y			N
MW79A		N	Y	Y	Y	Y			N
MW86C		N	Y	Y	Y	Y		CRACKED LID	N
MW64A		N	Y	Y	Y	Y		STICK UP	N
MW62B		N	Y	Y	Y	Y		STICK UP	N
MW03		Y	Y	Y	Y	Y		STICK UP	N
MW04		Y	Y	Y	Y	Y		STICK UP	N

GOLDER
MEMBER OF WSP

Monitoring Well Inspection Form

Project Name: VPRR - HWPW **Location:** HOUSTON, TX **Project No.:** 31406585.016

Well No.	Date of Inpsection	Is Well Easily Identified (name writen on casing) Y/N	Is Surface Completion in Good Condition Y/N	Is Well Outer Casing in Good Condition Y/N	Is Well Inner Casing in Good Condition Y/N	Is Well Secured, ie Locked Y/N	By	Action Required/Notes	OBSTRUCTION
MW68B		N	Y	Y	Y	Y	JTB		N
MW68C		N	Y	Y	Y	Y			N
MW84B		N	Y	Y	Y	Y			N
MW84A		N	Y	Y	Y	Y			N
MW90B		N	Y	Y	Y	Y			N
MW92B		N	Y	Y	Y	Y			N
MW63B		N	Y	Y	Y	Y			N
MW22AR		N	Y	Y	Y	Y			N
MW22BR		N	Y	Y	Y	Y			N
MW38B		N	Y	Y	Y	Y			Y
MW38A		N	Y	Y	Y	Y		CANNOT CUT	N
MW94A		N	Y	Y	Y	Y		CANNOT CUT	N
MW33BR		N	Y	Y	Y	Y		CAN CUT	N
MW26A		N	Y	Y	Y	Y		CANNOT CUT	N
MW33A		N	Y	Y	Y	Y		CANNOT CUT	N
MW70C		N	Y	Y	Y	Y		CANNOT CUT	N
MW70B		N	Y	Y	Y	Y		CAN CUT	N
MW32B		N	Y	Y	Y	Y		CANNOT CUT	N
MW32AR		N	Y	Y	Y	Y		CANNOT CUT	N
MW71B		N	Y	Y	Y	Y		CANNOT CUT	N

GOLDER
MEMBER OF WSP

Monitoring Well Inspection Form

Project Name: UPRR- HWPW **Location:** HOUSTON, TX **Project No.:** 31406585.016

Well No.	Date of Inpsection	Is Well Easily Identified (name writen on casing) Y/N	Is Surface Completion in Good Condition Y/N	Is Well Outer Casing in Good Condition Y/N	Is Well Inner Casing in Good Condition Y/N	Is Well Secured, ie Locked Y/N	By	Action Required/Notes	CAP (Y/N)
MW09		Y	Y	Y	Y	Y	JTB	STICK UP	N
MW05		N	Y	Y	Y	Y		STICK UP	N
P11		Y	Y	Y	Y	Y		STICK UP	N
MW40B		Y	Y	Y	Y	Y		STICK UP	N
MW42B		N	Y	Y	Y	Y		STICK UP	N
MW20A		N	Y	Y	Y	Y		STICK UP	N
MW14		N	Y	Y	Y	Y		STICK UP	N
MW15B		N	Y	Y	Y	Y		STICK UP	N
MW15C		N	Y	Y	Y	Y		STICK UP	N
MW17C		Y	Y	Y	Y	Y		STICK UP	N
MW21C		N	Y	Y	Y	Y		STICK UP	N
MW88A		N	Y	Y	Y	Y		STICK UP	N
MW88B		N	Y	Y	Y	Y		STICK UP	N
MW12C		Y	Y	Y	Y	Y		STICK UP	N
MW88C		N	Y	Y	Y	Y		STICK UP	N
MW12A		Y	Y	Y	Y	Y		STICK UP	N
MW23C		Y	Y	Y	Y	Y		STICK UP	N
MW19C		N	Y	Y	Y	Y		STICK UP	N
MW18C		Y	Y	Y	Y	Y		STICK UP	N
MW18A		Y	Y	Y	Y	Y		STICK UP	N

GOLDER
MEMBER OF WSP

Monitoring Well Inspection Form

Project Name: UPPR- HWPW **Location:** HOUSTON, TX **Project No.:** 3140658501 D16

Well No.	Date of Inpsection	Is Well Easily Identified (name writen on casing) Y/N	Is Surface Completion in Good Condition Y/N	Is Well Outer Casing in Good Condition Y/N	Is Well Inner Casing in Good Condition Y/N	Is Well Secured, ie Locked Y/N	By	Action Required/Notes	QA/QC
MW58A		N	Y	Y	Y	Y	JB		N
MW57A		Y	Y	Y	Y	Y			N
MW57B		Y	Y	Y	Y	Y			N
MW72B		N	N	N	N	N			N
MW13		N	Y	Y	Y	Y			N
MW39B		Y	Y	Y	Y	Y			N
TW4B		Y	Y	Y	Y	Y			N
MW27A		N	Y	Y	Y	Y			N
MW27C		N	Y	Y	Y	Y			N
MW61B		N	Y	Y	Y	Y			N
MW61A		N	Y	Y	Y	Y			N
MW59A		N	Y	Y	Y	Y			N
MW59B		N	Y	Y	Y	Y			N
MW59D		N	Y	Y	Y	Y			N
MW64D		N	Y	Y	Y	Y			N
MW65D		N	Y	Y	Y	Y			N
MW36D		N	Y	Y	Y	Y			N
MW47C		N	Y	Y	Y	Y			N
MW60AR		N	Y	Y	Y	Y			N
MW60B		N	Y	Y	Y	Y	D		N

ATTACHMENT B

Data Usability Summaries and Analytical Reports - 2nd Semi-Annual 2023 Sampling Event

Data Validation Report

September 7, 2023

To	Eric Matzner (eric.matzner@wap.com)	**Project No.**	11183954
Copy to	Jesse Orth, UPRR-Sysdat@ghd.com	**DVR No.**	1614
From	Angela Bown/cs/1614-NF	**Contact No.**	513-285-1102
Project Name	UPRR - Various Data Mgmt	**Email**	Angela.Bown@ghd.com
Subject	Data Usability Study Semiannual Site-Wide Monitoring Union Pacific Railroad (UPRR) – Houston Wood Preserving Works Houston, Texas July 2023		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Scope of Data Usability Study

This document details a Data Usability Summary (DUS) of analytical results for groundwater samples collected in support of the Semiannual Site-Wide Monitoring Program at the Houston, Texas site during July 2023. Samples were submitted to ALS Houston, US located in Houston, Texas and are reported in data packages HS23070563, HS23070613, HS23070869, HS23070942, HS23071134, HS23071175, HS23071331, HS23071416, HS23071527, and HS23071574. The intended use of the data is to support the monitoring program at the site by providing current concentrations of chemicals of concern.

Data were reviewed and validated by Angela Bown 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 forms, finished report forms, method blank data, recovery data from surrogate spikes/laboratory control samples (LCS)/matrix spikes (MS), the laboratory review checklist (LRC), field quality assurance/quality control (QA/QC) samples, and the laboratory exception report (ER).

A sample collection and analysis summary is presented in Table 1. This summary provides a cross reference of field sample identification numbers and location identification. Each sample is assigned a unique field identification number.

The validated sample results are presented in Table 2. A summary of the analytical methodology is presented in Table 3. Each data package includes a cross-reference list of field sample identifications to laboratory sample designations.

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 # T104704231-23-31 at the time the analysis was performed.

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 blanks, field blanks, 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 laboratory control samples (LCS) and matrix spike/duplicate (MS/DUP) or matrix spike/matrix spike duplicate (MS/MSD) analyses.

4. Data Review/Validation Results

4.1 Sample Holding Time and Preservation

Samples were shipped with chains of custody and the paperwork was filled out properly. All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

4.2 Sample Containers

Sample containers used were certified pre-cleaned glass or 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 and Calibration 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. Additionally, initial and continuing calibration blanks (ICBs/CCBs) are routinely analyzed after each initial calibration verification/continuing calibration verification (ICV/CCV) for the inorganic parameters. 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 packages.

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.

Per the LRC, all ICB/CCB were non-detect, indicating laboratory contamination was not an issue for these parameters.

4.5 Internal Standard and Surrogate Spike Recoveries

Recoveries of internal standards are addressed in the LRC of the data packages. Most internal standard recoveries associated with the compounds of interest were acceptable per the LRC. It was noted in the LCR that one sample analyzed for semivolatile organic compounds (SVOCs) had low internal standard recoveries. Table 4 presents the qualified sample results.

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for volatile organic compound (VOC) and SVOC determinations are spiked with the appropriate number of surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices. The recovery ranges established by the laboratory are adopted as the acceptance criteria for the project. Each individual surrogate compound is expected to meet the laboratory control limits. According to the TRRP13 Guidelines, one outlying surrogate is acceptable for methods with multiple surrogate spike compounds if the recovery is at least 10 percent.

High surrogate recoveries do not impact any associated non-detect sample results.

Surrogate recoveries were assessed against laboratory control limits. Most surrogate recoveries met the above criteria. Table 5 presents the sample results that were qualified due to low surrogate recoveries.

4.6 Laboratory Control Sample Analyses

Laboratory control samples/laboratory control sample duplicates (LCS/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, where applicable. The recovery ranges established by the laboratory are adopted as the acceptance criteria for the project.

High LCS/LCSD recoveries and/or RPDs do not impact any associated non-detect sample results.

For this study, LCS or LCS/LCSD were analyzed at a minimum frequency of 1 per 20 investigative samples per batch or less.

The LCS or LCS/LCSD contained all compounds of interest. All LCS recoveries and RPDs were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision, where applicable.

4.7 Matrix Spike/Matrix Spike Duplicate (MS/MSD) 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/MSD samples. The RPD between the MS and MSD is used to assess analytical precision.

If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed.

High MS/MSD recoveries and/or RPDs do not impact any associated non-detect sample results.

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 of interest. Most percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision. Table 6 presents the sample results that were qualified due to outlying MS/MSD recoveries.

4.8 Field QA/QC Samples

The field QA/QC consisted of 6 trip blank samples, 9 field blank samples, and 6 field duplicate sample sets.

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, 6 trip blanks were submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

Field Blank Sample Analysis

To assess ambient conditions at the site, 9 field blanks were submitted for analysis, as identified in Table 1. Most results were non-detect for the analytes of interest. Table 7 presents the sample results that were qualified as non-detect due to analyte concentrations in the field blank samples.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, 6 field duplicate sample sets were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 30 percent for water samples. RPDs are only used when sample concentrations are above the estimated regions of detection.

Most field duplicate results met the above criteria demonstrating acceptable sampling and analytical precision. Table 8 presents the sample results that were qualified due to variability in the field duplicate results.

4.9 Field Procedures

Golder collected groundwater samples in accordance with their Standard Operating Procedures (SOP) for groundwater sample collection.

4.10 Analyte Reporting

The laboratory reported detected results for each analyte down to the sample detection limit (SDL), which is defined as the method detection limit (MDL) with sample-specific adjustments for dilutions, aliquot size, volumes, etc. Positive analyte detections less than the MQL but greater than the SDL were qualified as estimated (J) in Table 2 unless qualified otherwise in this report.

Most Detectability check Standard (DCS) results supported the laboratory MDLs.

5. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are usable for the purpose of supporting the monitoring program at the site by providing current concentrations of chemicals of concern in groundwaters at the site with the specific qualifications noted herein.

Regards,

Angela Bown
Digital Intelligence-Data Management Team Lead-Data Validator

Table 1

Sample Collection and Analysis Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

						Analysis/Parameters			
Sample Delivery Group	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Select VOCs**	**Select SVOCs**	**Arsenic**	**Comments**
HS23070563	WG-1620-MW51C-20230707	MW-51C	Groundwater	07/07/2023	09:45	X	X	X	MS/MSD
	WG-1620-MW51A-20230707	MW-51A	Groundwater	07/07/2023	10:35	X	X	X	
	WG-1620-MW81B-20230707	MW-81B	Groundwater	07/07/2023	11:40	X	X	X	
	WG-1620-MW80B-20230707	MW-80B	Groundwater	07/07/2023	12:25	X	X	X	
	WG-1620-MW50A-20230707	MW-50A	Groundwater	07/07/2023	13:10	X	X	X	MS/MSD
	WG-1620-MW50B-20230709	MW-50B	Groundwater	07/09/2023	11:45	X	X	X	
	WG-1620-FB01-20230707	-	Groundwater	07/07/2023	13:30	X	X	X	Field Blank
	WG-1620-MW98A-20230709	MW-98A	Groundwater	07/09/2023	12:40	X	X	X	
	WG-1620-MW98B-20230709	MW-98B	Groundwater	07/09/2023	13:30	X	X	X	
	WG-1620-MW97A-20230709	MW-97A	Groundwater	07/09/2023	14:25	X	X	X	
	WG-1620-MW76B-20230709	MW-76B	Groundwater	07/09/2023	15:15	X	X	X	
	WG-1620-MW76C-20230709	MW-76C	Groundwater	07/09/2023	16:15	X	X	X	
	WG-1620-FB02-20230709	-	Groundwater	07/09/2023	16:45	X	X	X	Field Blank
	WG-1620-MW77A-20230710	MW-77A	Groundwater	07/10/2023	07:40	X	X	X	
	WG-1620-TB01-20230710	-	Groundwater	07/10/2023	-	X			Trip Blank

Table 1

Sample Collection and Analysis Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

						Analysis/Parameters			
Sample Delivery Group	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Select VOCs**	**Select SVOCs**	**Arsenic**	**Comments**
HS23070613	WG-1620-MW85C-20230710	MW-85C	Groundwater	07/10/2023	08:35	X	X	X	
	WG-1620-MW78A-20230710	MW-78A	Groundwater	07/10/2023	09:30	X	X	X	MS/MSD
	WG-1620-MW79A-20230710	MW-79A	Groundwater	07/10/2023	10:15	X	X	X	
	WG-1620-MW86C-20230710	MW-86C	Groundwater	07/10/2023	11:15	X	X	X	
	WG-1620-MW64A-20230710	MW-64A	Groundwater	07/10/2023	12:40	X	X	X	
	WG-1620-MW62B-20230710	MW-62B	Groundwater	07/10/2023	13:40	X	X	X	
	WG-1620-MW03-20230710	MW-03	Groundwater	07/10/2023	14:35	X	X	X	MS/MSD
	WG-1620-MW04-20230710	MW-04	Groundwater	07/10/2023	15:30	X	X	X	
	WG-1620-MW09-20230710	MW-09	Groundwater	07/10/2023	16:25	X	X	X	
	WG-1620-MW05-20230710	MW-05	Groundwater	07/10/2023	17:20	X	X	X	
	WG-1620-FB03-20230710	-	Groundwater	07/10/2023	17:45	X	X	X	Field Blank
	WG-1620-P11-20230711	P-11	Groundwater	07/11/2023	07:35	X	X	X	
	WG-1620-MW40B-20230711	MW-40B	Groundwater	07/11/2023	08:25	X	X	X	
	WG-1620-MW42B-20230711	MW-42B	Groundwater	07/11/2023	09:15	X	X	X	
	WG-1620-MW20A-20230711	MW-20A	Groundwater	07/11/2023	10:10	X	X	X	
	WG-1620-TB02-20230711	-	Groundwater	07/11/2023	-	X			Trip Blank

Table 1

Sample Collection and Analysis Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

						Analysis/Parameters			
Sample Delivery Group	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Select VOCs**	**Select SVOCs**	**Arsenic**	**Comments**
HS23070869	WG-1620-MW14-20230711	MW-14	Groundwater	07/11/2023	11:40	X	X	X	
	WG-1620-MW15B-20230711	MW-15B	Groundwater	07/11/2023	12:30	X	X	X	
	WG-1620-MW15C-20230711	MW-15C	Groundwater	07/11/2023	13:15	X	X	X	
	WG-1620-MW15A-20230711	MW-15A	Groundwater	07/11/2023	14:10	X	X	X	
	WG-1620-MW17C-20230711	MW-17C	Groundwater	07/11/2023	15:10	X	X	X	
	WG-1620-MW17-20230711	MW-17	Groundwater	07/11/2023	16:00	X	X	X	
	WG-1620-MW21C-20230711	MW-21C	Groundwater	07/11/2023	17:20	X	X	X	
	WG-1620-FD01-20230711	MW-21C	Groundwater	07/11/2023	17:20	X	X	X	FD(WG-1620-MW21C-20230711)
	WG-1620-FB04-20230711	-	Groundwater	07/11/2023	17:50	X	X	X	Field Blank
	WG-1620-MW88A-20230712	MW-88A	Groundwater	07/12/2023	07:45	X	X	X	
	WG-1620-MW88B-20230712	MW-88B	Groundwater	07/12/2023	08:40	X	X	X	MS/MSD
	WG-1620-MW88C-20230712	MW-88C	Groundwater	07/12/2023	09:30	X	X	X	
	WG-1620-MW12C-20230712	MW-12C	Groundwater	07/12/2023	10:25	X	X	X	
	WG-1620-MW12A-20230712	MW-12A	Groundwater	07/12/2023	12:10	X	X	X	
	WG-1620-TB03-20230712	-	Groundwater	07/12/2023	-	X			Trip Blank

Table 1

Sample Collection and Analysis Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

						Analysis/Parameters			
Sample Delivery Group	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Select VOCs**	**Select SVOCs**	**Arsenic**	**Comments**
HS23070942	WG-1620-MW23C-20230712	MW-23C	Groundwater	07/12/2023	13:05	X	X	X	
	WG-1620-MW19C-20230712	MW-19C	Groundwater	07/12/2023	14:15	X	X	X	
	WG-1620-MW18C-20230712	MW-18C	Groundwater	07/12/2023	15:10	X	X	X	
	WG-1620-MW18A-20230712	MW-18A	Groundwater	07/12/2023	15:55	X	X	X	
	WG-1620-MW58A-20230712	MW-58A	Groundwater	07/12/2023	16:50	X	X	X	
	WG-1620-MW57A-20230712	MW-57A	Groundwater	07/12/2023	17:50	X	X	X	
	WG-1620-MW57B-20230713	MW-57B	Groundwater	07/13/2023	07:45	X	X	X	
	WG-1620-MW72B-20230713	MW-72B	Groundwater	07/13/2023	08:40	X	X	X	
	WG-1620-MW13-20230713	MW-13	Groundwater	07/13/2023	09:35	X	X	X	
	WG-1620-MW39B-20230713	MW-39B	Groundwater	07/13/2023	10:25	X	X	X	
	WG-1620-TW41B-20230713	TW-41B	Groundwater	07/13/2023	12:15	X	X	X	
	WG-1620-FB06-20230713	-	Groundwater	07/13/2023	12:40	X	X	X	Field Blank

Table 1

Sample Collection and Analysis Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

						Analysis/Parameters			
Sample Delivery Group	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Select VOCs**	**Select SVOCs**	**Arsenic**	**Comments**
HS23071134	WG-1620-MW54C-20230717	MW-54C	Groundwater	07/17/2023	12:55	X	X	X	
	WG-1620-MW53C-20230717	MW-53C	Groundwater	07/17/2023	13:50	X	X	X	
	WG-1620-MW46C-20230717	MW-46C	Groundwater	07/17/2023	14:40	X	X	X	
	WG-1620-MW25A-20230717	MW-25A	Groundwater	07/17/2023	15:35	X	X	X	
	WG-1620-MW25C-20230717	MW-25C	Groundwater	07/17/2023	16:40	X	X	X	
	WG-1620-MW44C-20230717	MW-44C	Groundwater	07/17/2023	17:45	X	X	X	
	WG-1620-MW87C-20230718	MW-87C	Groundwater	07/18/2023	07:35	X	X	X	
	WG-1620-MW28C-20230718	MW-28C	Groundwater	07/18/2023	08:25	X	X	X	MS/MSD
	WG-1620-MW28A-20230718	MW-28A	Groundwater	07/18/2023	09:10	X	X	X	
	WG-1620-MW91A-20230718	MW-91A	Groundwater	07/18/2023	10:00	X	X	X	
	WG-1620-FD03-20230718	MW-91A	Groundwater	07/18/2023	10:00	X	X	X	FD(WG-1620-MW91A-20230718)
	WG-1620-MW89B-20230718	MW-89B	Groundwater	07/18/2023	12:00	X	X	X	
	WG-1620-MW93B-20230718	MW-93B	Groundwater	07/18/2023	12:50	X	X	X	
	WG-1620-MW82B-20230718	MW-82B	Groundwater	07/18/2023	13:40	X	X	X	
	WG-1620-TB04-20230718	-	Groundwater	07/18/2023	-	X			Trip Blank

Table 1

Sample Collection and Analysis Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

						Analysis/Parameters			
Sample Delivery Group	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Select VOCs**	**Select SVOCs**	**Arsenic**	**Comments**
HS23071175	WG-1620-MW27A-20230713	MW-27A	Groundwater	07/13/2023	13:55	X		X	
	WG-1620-MW27C-20230713	MW-27C	Groundwater	07/13/2023	14:45	X		X	
	WG-1620-MW61B-20230713	MW-61B	Groundwater	07/13/2023	15:50	X		X	MS/MSD
	WG-1620-MW61A-20230713	MW-61A	Groundwater	07/13/2023	16:45	X		X	
	WG-1620-MW59A-20230713	MW-59A	Groundwater	07/13/2023	17:45	X		X	
	WG-1620-MW59B-20230714	MW-59B	Groundwater	07/14/2023	09:25	X	X	X	
	WG-1620-MW59D-20230714	MW-59D	Groundwater	07/14/2023	10:40	X	X	X	
	WG-1620-FD02-20230714	MW-59D	Groundwater	07/14/2023	10:40	X	X	X	FD(WG-1620-MW59D-20230714)
	WG-1620-MW66D-20230714	MW-66D	Groundwater	07/14/2023	11:35	X	X	X	
	WG-1620-MW65D-20230714	MW-65D	Groundwater	07/14/2023	12:50	X	X	X	MS/MSD
	WG-1620-MW36D-20230714	MW-36D	Groundwater	07/14/2023	14:00	X	X	X	
	WG-1620-MW47C-20230717	MW-47C	Groundwater	07/17/2023	07:45	X	X	X	
	WG-1620-MW60AR-20230717	MW-60AR	Groundwater	07/17/2023	08:40	X	X	X	
	WG-1620-MW60B-20230717	MW-60B	Groundwater	07/17/2023	09:25	X	X	X	
	WG-1620-MW47A-20230717	MW-47A	Groundwater	07/17/2023	10:20	X	X	X	
	WG-1620-MW69A-20230717	MW-69A	Groundwater	07/17/2023	11:15	X	X	X	
	WG-1620-FB07-20230717	-	Groundwater	07/17/2023	11:40	X	X	X	Field Blank

Table 1

Sample Collection and Analysis Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

						Analysis/Parameters			
Sample Delivery Group	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Select VOCs**	**Select SVOCs**	**Arsenic**	**Comments**
HS23071331	WG-1620-MW83C-20230718	MW-83C	Groundwater	07/18/2023	14:25	X	X	X	MS/MSD
	WG-1620-MW83B-20230718	MW-83B	Groundwater	07/18/2023	15:20	X	X	X	
	WG-1620-FD04-20230718	MW-83B	Groundwater	07/18/2023	15:20	X	X	X	FD(WG-1620-MW83B-20230718)
	WG-1620-MW35B-20230718	MW-35B	Groundwater	07/18/2023	16:15	X	X	X	
	WG-1620-MW35A-20230718	MW-35A	Groundwater	07/18/2023	17:05	X	X	X	
	WG-1620-FB08-20230718	-	Groundwater	07/18/2023	17:30	X	X	X	Field Blank
	WG-1620-MW68A-20230719	MW-68A	Groundwater	07/19/2023	07:45	X	X	X	
	WG-1620-MW68B-20230719	MW-68B	Groundwater	07/19/2023	08:35	X	X	X	
	WG-1620-MW68C-20230719	MW-68C	Groundwater	07/19/2023	09:25	X	X	X	
	WG-1620-MW84B-20230719	MW-84B	Groundwater	07/19/2023	10:15	X	X	X	
	WG-1620-MW84A-20230719	MW-84A	Groundwater	07/19/2023	12:25	X	X	X	
	WG-1620-MW90B-20230719	MW-90B	Groundwater	07/19/2023	13:20	X	X	X	
	WG-1620-MW92B-20230719	MW-92B	Groundwater	07/19/2023	14:15	X	X	X	
	WG-1620-MW63B-20230719	MW-63B	Groundwater	07/19/2023	15:10	X	X	X	
	WG-1620-MW22AR-20230719	MW-22AR	Groundwater	07/19/2023	16:20	X	X	X	
	WG-1620-MW22BR-20230719	MW-22BR	Groundwater	07/19/2023	17:15	X	X	X	
	WG-1620-TB05-20230719	-	Groundwater	07/19/2023	-	X			Trip Blank

Table 1

Sample Collection and Analysis Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

						Analysis/Parameters			
Sample Delivery Group	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Select VOCs**	**Select SVOCs**	**Arsenic**	**Comments**
HS23071416	WG-1620-MW38B-20230719	MW-38B	Groundwater	07/19/2023	18:05	X	X	X	MS/MSD
	WG-1620-MW38A-20230720	MW-38A	Groundwater	07/20/2023	07:35	X	X	X	MS/MSD
	WG-1620-MW94A-20230720	MW-94A	Groundwater	07/20/2023	08:30	X	X	X	
	WG-1620-MW33BR-20230720	MW-33BR	Groundwater	07/20/2023	09:25	X	X	X	
	WG-1620-MW26A-20230720	MW-26A	Groundwater	07/20/2023	10:20	X	X	X	
	WG-1620-MW33A-20230720	MW-33A	Groundwater	07/20/2023	12:20	X	X	X	
	WG-1620-FD05-20230720	MW-33A	Groundwater	07/20/2023	12:20	X	X	X	FD(WG-1620-MW33A-20230720)
	WG-1620-MW70C-20230720	MW-70C	Groundwater	07/20/2023	13:15	X	X	X	
	WG-1620-MW70B-20230720	MW-70B	Groundwater	07/20/2023	14:10	X	X	X	
	WG-1620-MW32B-20230720	MW-32B	Groundwater	07/20/2023	15:05	X	X	X	
	WG-1620-MW32AR-20230720	MW-32AR	Groundwater	07/20/2023	15:55	X	X	X	
	WG-1620-MW71B-20230720	MW-71B	Groundwater	07/20/2023	16:50	X	X	X	
	WG-1620-MW36A-20230720	MW-36A	Groundwater	07/20/2023	17:55	X	X	X	
	WG-1620-TB06-20230720	-	Groundwater	07/20/2023	-	X			Trip Blank

Table 1

Sample Collection and Analysis Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

						Analysis/Parameters			
Sample Delivery Group	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Select VOCs**	**Select SVOCs**	**Arsenic**	**Comments**
HS23071527	WG-1620-FB09-20230720	-	Groundwater	07/20/2023	18:15	X	X	X	Field Blank
	WG-1620-MW96B-20230721	MW-96B	Groundwater	07/21/2023	07:35	X	X	X	
	WG-1620-MW95A-20230721	MW-95A	Groundwater	07/21/2023	08:35	X	X	X	
	WG-1620-MW99C-20230721	MW-99C	Groundwater	07/21/2023	09:45	X	X	X	
	WG-1620-MW54B-20230721	MW-54B	Groundwater	07/21/2023	10:40	X	X	X	
	WG-1620-MW67B-20230724	MW-67B	Groundwater	07/24/2023	07:45	X	X	X	MS/MSD
	WG-1620-MW48C-20230724	MW-48C	Groundwater	07/24/2023	08:45	X	X	X	
	WG-1620-FD06-20230724	MW-48C	Groundwater	07/24/2023	08:45	X	X	X	FD(WG-1620-MW48C-20230724)
	WG-1620-MW36B-20230724	MW-36B	Groundwater	07/24/2023	09:45	X	X	X	
	WG-1620-MW34CR-20230724	MW-34CR	Groundwater	07/24/2023	10:35	X	X	X	
	WG-1620-MW44A-20230724	MW-44A	Groundwater	07/24/2023	11:25	X	X	X	
	WG-1620-MW45C-20230724	MW-45C	Groundwater	07/24/2023	12:15	X	X	X	
	WG-1620-MW74B-20230724	MW-74B	Groundwater	07/24/2023	13:20	X	X	X	
	WG-1620-MW75B-20230724	MW-75B	Groundwater	07/24/2023	14:20	X	X	X	
	WG-1620-MW49A-20230724	MW-49A	Groundwater	07/24/2023	15:15	X	X	X	
	WG-1620-FB10-20230724	-	Groundwater	07/24/2023	17:25	X	X	X	Field Blank
	WG-1620-MW49B-20230724	MW-49B	Groundwater	07/24/2023	16:10	X	X	X	

Table 1

Sample Collection and Analysis Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

						Analysis/Parameters			
Sample Delivery Group	**Sample Identification**	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**Select VOCs**	**Select SVOCs**	**Arsenic**	**Comments**
HS23071574	WG-1620-MW27A-20230725	MW-27A	Groundwater	07/25/2023	07:40		X		
	WG-1620-MW27C-20230725	MW-27C	Groundwater	07/25/2023	08:25		X		
	WG-1620-MW61A-20230725	MW-61A	Groundwater	07/25/2023	09:25		X		
	WG-1620-MW61B-20230725	MW-61B	Groundwater	07/25/2023	10:10		X		
	WG-1620-MW59A-20230725	MW-59A	Groundwater	07/25/2023	10:50		X		
	WG-1620-MW12B-20230725	MW-12B	Groundwater	07/25/2023	12:55	X	X	X	
	WG-1620-MW41B-20230725	MW-41B	Groundwater	07/25/2023	13:50	X	X	X	

Notes:

-	- Not Applicable
FD	- Field Duplicate sample of sample in parentheses
MS/MSD	- Matrix Spike/Matrix Spike Duplicate
SVOCs	- Semi-volatile Organic Compounds
VOCs	- Volatile Organic Compounds

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

	Location ID:	MW-03	MW-04	MW-05	MW-09	MW-12A	MW-12B	MW-12C	MW-13
	Sample Name:	WG-1620-MW03-20230710	WG-1620-MW04-20230710	WG-1620-MW05-20230710	WG-1620-MW09-20230710	WG-1620-MW12A-20230712	WG-1620-MW12B-20230725	WG-1620-MW12C-20230712	WG-1620-MW13-20230713
	Sample Date:	07/10/2023	07/10/2023	07/10/2023	07/10/2023	07/12/2023	07/25/2023	07/12/2023	07/13/2023
Parameters	**Unit**								
Volatile Organic Compounds									
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.0027	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	0.0084	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.0026	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	0.011	<0.00030	<0.00030
Semivolatile Organic Compounds									
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040	<0.0040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058	<0.0058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.0042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	<0.000019	<0.000019	<0.000019	0.026	0.24	<0.00011	<0.000019
2-Methylphenol	mg/L	<0.000045	<0.000045	<0.000045	<0.000045	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.0020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.0047	<0.000047	<0.000047
Acenaphthene	mg/L	<0.000027	<0.000027	<0.000027	<0.000027	0.23	0.30	<0.000027	<0.000027
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	0.011	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	<0.000014	<0.000014	<0.000014	0.0081	0.11	0.000033 J	0.00010
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.059	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	0.017	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	<0.000030	<0.0030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.000070 J	<0.000037	<0.000037	<0.000037	<0.000037	<0.0037	<0.000037	<0.000037
Carbazole	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	--	--	--	--
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	0.00012	0.048	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	0.00042	0.00013 J	0.00012 J	0.00012 J	<0.000020	<0.0020	<0.00014	<0.000020
Dibenzofuran	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	0.099	0.27	<0.000020	<0.000020
Fluoranthene	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	0.0086	0.38	<0.000010	<0.000010
Fluorene	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	0.18	0.34	<0.000030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.0025	<0.000025	<0.000025
Naphthalene	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.0013	0.81	<0.00075	<0.000073
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.0024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.0079	<0.000079	<0.000079
Phenanthrene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	0.052	0.86	0.000080 J	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.0035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	<0.000019	<0.000019	0.0038	0.21	<0.000019	<0.000019
Metals									
Arsenic	mg/L	0.000631 J	0.000764 J	0.00969	0.000923 J	0.000855 J	0.0387	0.00191 J	0.0248

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

Location ID:		MW-14	MW-15A	MW-15B	MW-15C	MW-17	MW-17C	MW-18A	MW-18C
Sample Name:		WG-1620-MW14-20230711	WG-1620-MW15A-20230711	WG-1620-MW15B-20230711	WG-1620-MW15C-20230711	WG-1620-MW17-20230711	WG-1620-MW17C-20230711	WG-1620-MW18A-20230712	WG-1620-MW18C-20230712
Sample Date:		07/11/2023	07/11/2023	07/11/2023	07/11/2023	07/11/2023	07/11/2023	07/12/2023	07/12/2023
Parameters	**Unit**								
Volatile Organic Compounds									
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0050
Benzene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	0.61	0.013	0.32	1.2
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.0075
Ethylbenzene	mg/L	<0.00030	0.00064 J	<0.00030	<0.00030	0.25	0.16	0.12	0.33
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.025
Toluene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	0.91	0.0037	0.0010	0.90
Vinyl chloride	mg/L	--	--	--	--	--	<0.00020	<0.00020	--
Xylenes (total)	mg/L	<0.00030	0.0064	<0.00030	<0.00030	0.74	0.075	0.093	1.0
Semivolatile Organic Compounds									
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021	<0.0021	<0.00021	<0.0021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	3.8	<0.0040	0.41	<0.0040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.000058	<0.0058	<0.0058	<0.00058	<0.0058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.000042	<0.0042	<0.0042	<0.00042	<0.0042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021	<0.0021	<0.00021	<0.0021
2-Methylnaphthalene	mg/L	<0.000019	0.013	<0.000076	<0.000019	0.33	0.069	0.14	0.16
2-Methylphenol	mg/L	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.0020	<0.0020	<0.00020	<0.0020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.000047	<0.0047	<0.0047	<0.00047	<0.0047
Acenaphthene	mg/L	<0.000027	0.043	0.012	0.0018	0.12	0.095	0.087	0.045
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	0.00012	<0.0015	<0.0015	<0.00015	<0.0015
Anthracene	mg/L	<0.000014	0.0014	0.00064	0.000098 J	<0.0014	0.0053 J	0.0034	<0.0014
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.0050	<0.0050	<0.00050	<0.0050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.0020	<0.0020	<0.00020	<0.0020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	<0.0030	<0.0030	0.013	<0.0030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	<0.000037	<0.0037	<0.0037	<0.00037	<0.0037
Carbazole	mg/L	--	--	--	--	--	--	--	--
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.0021	<0.0021	<0.00021	<0.0021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.00011	<0.0020	<0.0020	<0.00020	<0.0020
Dibenzofuran	mg/L	<0.000020	0.011	0.0021	0.00069	0.086	0.083	0.057	0.042
Fluoranthene	mg/L	<0.000010	0.0011	0.0027	0.00037	0.0030 J	0.0028 J	0.0010	<0.0010
Fluorene	mg/L	<0.000030	0.019	0.0030	<0.000030	0.056	0.046	0.046	0.018
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.0025	<0.0025	<0.00025	<0.0025
Naphthalene	mg/L	<0.000090	0.040	<0.00061	<0.0010	7.3	2.9	0.82	5.5
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024	<0.0024	<0.0024	<0.00024	<0.0024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079	<0.0079	<0.0079	<0.00079	<0.0079
Phenanthrene	mg/L	0.000032 J	0.0063	<0.000021	<0.000021	0.040	0.047	0.034	0.018
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	7.3	<0.0035	<0.00035	<0.0035
Pyrene	mg/L	<0.000019	0.00042	0.0014	0.00038	<0.0019	<0.0019	<0.00019	<0.0019
Metals									
Arsenic	mg/L	0.00125 J	0.0230	0.0113	0.000801 J	0.0433	0.00545	0.0157	0.00223

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

Location ID:		MW-19C	MW-20A	MW-21C	MW-21C	MW-22AR	MW-22BR	MW-23C
Sample Name:		WG-1620-MW19C-20230712	WG-1620-MW20A-20230711	WG-1620-MW21C-20230711	WG-1620-FD01-20230711	WG-1620-MW22AR-20230719	WG-1620-MW22BR-20230719	WG-1620-MW23C-20230712
Sample Date:		07/12/2023	07/11/2023	07/11/2023	07/11/2023 Duplicate	07/19/2023	07/19/2023	07/12/2023
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0020
Benzene	mg/L	0.0012	0.0075	<0.00020	<0.00020	<0.00020	<0.00020	0.0095 J
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.0030
Ethylbenzene	mg/L	0.0012	0.029	<0.00030	<0.00030	<0.00030	<0.00030	0.10
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.010
Toluene	mg/L	0.0014	0.0012	<0.00020	<0.00020	<0.00020	<0.00020	0.023
Vinyl chloride	mg/L	--	--	--	--	--	--	--
Xylenes (total)	mg/L	0.00091 J	0.028	<0.00030	<0.00030	<0.00030	<0.00030	0.080
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	<0.000040	<0.00040	<0.00040	0.024
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021
2-Methylnaphthalene	mg/L	<0.000047	0.11	<0.000019	<0.000019	<0.00019	<0.00019	0.37
2-Methylphenol	mg/L	--	<0.000045	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.00020	<0.00020	<0.00020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00047	<0.00047
Acenaphthene	mg/L	0.0013	0.091	<0.000027	<0.000027	<0.00027	0.0031	0.28
Acenaphthylene	mg/L	<0.000015	0.00062	<0.000015	<0.000015	<0.00015	<0.00015	<0.00015
Anthracene	mg/L	0.000051 J	0.0034	<0.000014	<0.000014	<0.00014	<0.00014	0.013
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.00050	<0.00050	<0.00050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.00020	<0.00020	<0.00020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	<0.00030	<0.00030	<0.00030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	0.00011 J	<0.000037	<0.000037	<0.00037	<0.00037	<0.00037
Carbazole	mg/L	--	0.055	--	--	--	--	--
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.00012	<0.000078	<0.00020	<0.00020	<0.00020
Dibenzofuran	mg/L	<0.00049	0.057	<0.000020	<0.000020	<0.00020	<0.00020	0.26
Fluoranthene	mg/L	0.000078 J	0.00066	<0.000010	<0.000010	<0.00010	0.00040 J	0.0081
Fluorene	mg/L	0.00040	0.052	<0.000030	<0.000030	<0.00030	<0.00030	0.097
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025
Naphthalene	mg/L	<0.00023	1.1	<0.000020	<0.000063	<0.00020	<0.00020	4.4
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079
Phenanthrene	mg/L	<0.00012	0.024	<0.000021	<0.000021	<0.00021	<0.00021	0.13
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.00035	<0.00035	<0.00035
Pyrene	mg/L	0.000066 J	0.00033	<0.000019	<0.000019	<0.00019	<0.00019	0.0046
Metals								
Arsenic	mg/L	0.00101 J	0.00624	0.00121 J	0.00113 J	0.00206	0.00603	0.00784

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

	Location ID:	MW-25A	MW-25C	MW-26A	MW-27A	MW-27A	MW-27C	MW-27C
	Sample Name:	WG-1620-MW25A-20230717	WG-1620-MW25C-20230717	WG-1620-MW26A-20230720	WG-1620-MW27A-20230713	WG-1620-MW27A-20230725	WG-1620-MW27C-20230713	WG-1620-MW27C-20230725
	Sample Date:	07/17/2023	07/17/2023	07/20/2023	07/13/2023	07/25/2023	07/13/2023	07/25/2023
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	<0.00020	<0.0040	<0.00020	<0.00020	--	<0.00020	--
Benzene	mg/L	<0.00020	<0.0040	<0.00020	<0.00020	--	<0.00020	--
Chlorobenzene	mg/L	<0.00030	<0.0060	<0.00030	<0.00030	--	<0.00030	--
Ethylbenzene	mg/L	<0.00030	0.029	<0.00030	<0.00030	--	<0.00030	--
Methylene chloride	mg/L	<0.0010	<0.020	<0.0010	<0.0010	--	<0.0010	--
Toluene	mg/L	<0.00020	<0.0040	<0.00020	<0.00020	--	<0.00020	--
Vinyl chloride	mg/L	--	--	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	0.16	<0.00030	<0.00030	--	<0.00030	--
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	--	<0.00021	--	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	0.00070	<0.000040	--	<0.00040	--	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	--	<0.00058	--	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	--	<0.00042	--	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	--	<0.00021	--	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	0.16	<0.000019	--	<0.00019	--	<0.000019
2-Methylphenol	mg/L	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	--	<0.00020	--	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	--	<0.00047	--	<0.000047
Acenaphthene	mg/L	<0.000027	0.060	<0.000027	--	<0.00027	--	<0.000027
Acenaphthylene	mg/L	<0.000015	0.00062	<0.000015	--	<0.00015	--	<0.000015
Anthracene	mg/L	<0.000014	0.0048	<0.000014	--	<0.00014	--	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	0.00053	<0.000050	--	<0.00050	--	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	0.00016	<0.000020	--	<0.00020	--	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	--	<0.00030	--	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	--	<0.00037	--	<0.000037
Carbazole	mg/L	--	--	--	--	--	--	--
Chrysene	mg/L	<0.000021	0.00050	<0.000021	--	<0.00021	--	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	--	<0.00020	--	<0.000020
Dibenzofuran	mg/L	<0.000020	0.058	<0.000020	--	<0.00020	--	<0.000020
Fluoranthene	mg/L	<0.000010	0.0048	0.000059 J	--	<0.00010	--	<0.000010
Fluorene	mg/L	<0.000030	0.033	<0.000030	--	<0.00030	--	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	--	<0.00025	--	<0.000025
Naphthalene	mg/L	<0.000020	0.77	0.00014	--	<0.00020	--	<0.000020
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	--	<0.00024	--	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	--	<0.00079	--	<0.000079
Phenanthrene	mg/L	<0.000021	0.049	<0.000021	--	<0.00021	--	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.000035	--	<0.00035	--	<0.000035
Pyrene	mg/L	<0.000019	0.0032	0.000032 J	--	<0.00019	--	<0.000019
Metals								
Arsenic	mg/L	0.00160 J	0.0169	0.128	0.000630 J	--	0.000638 J	--

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

	Location ID:	MW-28A	MW-28C	MW-32AR	MW-32B	MW-33A	MW-33A	MW-33BR
	Sample Name:	WG-1620-MW28A-20230718	WG-1620-MW28C-20230718	WG-1620-MW32AR-20230720	WG-1620-MW32B-20230720	WG-1620-MW33A-20230720	WG-1620-FD05-20230720	WG-1620-MW33BR-20230720
	Sample Date:	07/18/2023	07/18/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023
							Duplicate	
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.00020	2.7	<0.00020	<0.00020	0.48
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	0.46	<0.00030	<0.00030	0.16
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	<0.00020	2.2	<0.00020	<0.00020	0.014
Vinyl chloride	mg/L	--	--	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	<0.00030	1.2	<0.00030	<0.00030	0.066
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.0021	<0.000021	<0.000021	<0.00021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	11	<0.000040	0.000049 J	0.0023
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.0058	<0.000058	<0.000058	<0.00058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.0042	<0.000042	<0.000042	<0.00042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021 JL	<0.000021	<0.0021	<0.000021	<0.000021	<0.00021
2-Methylnaphthalene	mg/L	<0.000019	<0.000019 JL	0.0018	0.68	<0.000019	<0.000019	0.035
2-Methylphenol	mg/L	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.0020	<0.000020	<0.000020	<0.00020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.0047	<0.000047	<0.000047	<0.00047
Acenaphthene	mg/L	<0.000027	<0.000027	0.0023	0.23	<0.000027	<0.000027	0.013
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.0015	<0.000015	<0.000015	<0.00015
Anthracene	mg/L	<0.000014	<0.000014	0.0012	0.086	<0.000014	<0.000014	0.00100 J
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	0.013	<0.000050	<0.000050	<0.00050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	0.000029 J	0.0031 J	<0.000020	<0.000020	<0.00020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030 JL	<0.000030	<0.0030	<0.000030	<0.000030	<0.00030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	<0.0037	<0.000037	0.000052 J	<0.00037
Carbazole	mg/L	--	--	--	--	--	--	--
Chrysene	mg/L	<0.000021	<0.000021	0.00012	0.011	<0.000021	<0.000021	<0.00021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.0020	<0.000020	<0.000020	<0.00020
Dibenzofuran	mg/L	<0.000020	<0.000020	0.0020	0.25	<0.000020	<0.000020	0.017
Fluoranthene	mg/L	<0.000010	<0.000010	0.0019	0.100	0.000030 J	0.00017 J	0.00098 J
Fluorene	mg/L	<0.000030	<0.000030	0.0022	0.17	<0.000030	<0.000030	0.0073
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.0025	<0.000025	<0.000025	<0.00025
Naphthalene	mg/L	0.000050 J	<0.000020	0.0013	9.2	0.000061 J	0.000055 J	0.75
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.0024	<0.000024	<0.000024	<0.00024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.0079	<0.000079	<0.000079	<0.00079
Phenanthrene	mg/L	<0.000021	<0.000021	0.0057	0.34	<0.000021	<0.000021	0.0087
Phenol	mg/L	<0.000035	<0.000035	<0.000035	9.8	<0.000035	<0.000035	<0.00035
Pyrene	mg/L	<0.000019	<0.000019	0.0012	0.058	<0.000019 J	0.00035 J	0.00060 J
Metals								
Arsenic	mg/L	0.00860	0.00118 J	0.0234	0.00197 J	0.0253 J	0.00973 J	0.00125 J

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

	Location ID:	MW-34CR	MW-35A	MW-35B	MW-36A	MW-36B	MW-36D	MW-38A
	Sample Name:	WG-1620-MW34CR-20230724	WG-1620-MW35A-20230718	WG-1620-MW35B-20230718	WG-1620-MW36A-20230720	WG-1620-MW36B-20230724	WG-1620-MW36D-20230714	WG-1620-MW38A-20230720
	Sample Date:	07/24/2023	07/18/2023	07/18/2023	07/20/2023	07/24/2023	07/14/2023	07/20/2023
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	0.0026	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	0.097	<0.00020	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	0.0011	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	0.0018	<0.00030	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	0.0014	<0.00020	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	0.011	<0.00030	<0.00030	<0.00030	<0.00030
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<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	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<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	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	0.000073 J	0.030	<0.000019	<0.000019	<0.000019	<0.000019
2-Methylphenol	mg/L	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	<0.000027	0.0012	0.034	<0.000027	<0.000027	<0.000027	0.0023
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	<0.000014	0.0037	<0.000014	<0.000014	<0.000014	0.000057 J
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	0.000034 J	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<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	<0.000037	<0.000037
Carbazole	mg/L	--	--	--	--	--	--	--
Chrysene	mg/L	<0.000021	<0.000021	0.00013	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.000020	0.00015	0.039	<0.000020	<0.000020	<0.000020	<0.000020
Fluoranthene	mg/L	<0.000010	0.000078 J	0.0038	<0.000010	<0.000010	<0.000010	0.000066 J
Fluorene	mg/L	<0.000030	0.00017	0.022	<0.000030	<0.000030	<0.000030	0.00038
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	<0.000020	<0.000020	0.00095	0.000028 J	<0.000020	<0.000020	<0.000020
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	<0.000021	<0.000021	0.037	<0.000021	<0.000021	<0.000021	0.000046 J
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	0.000071 J	0.0017	<0.000019	<0.000019	<0.000019	0.000072 J
Metals								
Arsenic	mg/L	0.000819 J	0.0287	0.00329	0.00290	0.00107 J	0.00102 J	0.0185

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

	Location ID:	MW-38B	MW-39B	MW-40B	MW-41B	MW-42B	MW-44A	MW-44C
	Sample Name:	WG-1620-MW38B-20230719	WG-1620-MW39B-20230713	WG-1620-MW40B-20230711	WG-1620-MW41B-20230725	WG-1620-MW42B-20230711	WG-1620-MW44A-20230724	WG-1620-MW44C-20230717
	Sample Date:	07/19/2023	07/13/2023	07/11/2023	07/25/2023	07/11/2023	07/24/2023	07/17/2023
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	0.0079	0.014	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	0.081	0.082	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	0.013	0.072	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	0.10	0.19	<0.00030	<0.00030	<0.00030
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	0.000048 J	<0.000021	<0.000021	<0.010	<0.000021	<0.00021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	<0.020	<0.000040	<0.00040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.029	<0.000058	<0.00058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.021	<0.000042	<0.00042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.010	<0.000021	<0.00021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	<0.00013	0.14	0.37	<0.000019	<0.00019	0.000023 J
2-Methylphenol	mg/L	--	--	<0.000045	--	<0.000045	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.010	<0.000020	<0.00020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.024	<0.000047	<0.00047	<0.000047
Acenaphthene	mg/L	<0.000027	0.0011	0.17	0.40	<0.000027	0.045	0.00036
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.0075	<0.000015	<0.00015	0.000021 J
Anthracene	mg/L	0.000036 J	0.000076 J	0.0056	0.13	<0.000014	<0.00014	0.000099 J
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	0.063	<0.000050	<0.00050	0.000066 J
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	0.015 J	<0.000020	<0.00020	0.000066 J
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.015	<0.000030	<0.00030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	<0.018	0.000071 J	<0.00037	0.000043 J
Carbazole	mg/L	--	--	0.23	--	0.00027	--	--
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	0.051	<0.000021	<0.00021	0.000087 J
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.010	0.000072 J	<0.00020	<0.000020
Dibenzofuran	mg/L	<0.000020	<0.000050	0.083	0.35	<0.000020	<0.00020	0.00013
Fluoranthene	mg/L	<0.000010	0.000047 J	0.0036	0.38	<0.000010	0.0037	0.00028
Fluorene	mg/L	<0.000030	<0.00024	0.086	0.44	<0.000030	0.011	0.00015
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.012	<0.000025	<0.00025	<0.000025
Naphthalene	mg/L	<0.000020	<0.0020	2.2	3.0	0.00025	<0.00020	0.00010
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.012	<0.000024	<0.00024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.040	<0.000079	<0.00079	<0.000079
Phenanthrene	mg/L	<0.000021	<0.000021	0.068	1.1	<0.000021	<0.00021	0.00038
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.018	<0.000035	<0.00035	<0.000035
Pyrene	mg/L	<0.000019	0.000032 J	0.0011	0.22	<0.000019	0.0053	0.00023
Metals								
Arsenic	mg/L	0.00343	0.00384	0.0487	0.0579	0.00128 J	0.0102	0.00711

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

Location ID:		MW-45C	MW-46C	MW-47A	MW-47C	MW-48C	MW-48C	MW-49A
Sample Name:		WG-1620-MW45C-20230724	WG-1620-MW46C-20230717	WG-1620-MW47A-20230717	WG-1620-MW47C-20230717	WG-1620-MW48C-20230724	WG-1620-FD06-20230724	WG-1620-MW49A-20230724
Sample Date:		07/24/2023	07/17/2023	07/17/2023	07/17/2023	07/24/2023	07/24/2023	07/24/2023
							Duplicate	
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	0.020	0.0037	<0.00020	<0.00020	<0.00020	<0.00020	0.15
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	0.0024
Ethylbenzene	mg/L	0.18	0.0097	<0.00030	<0.00030	<0.00030	<0.00030	0.12
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	0.10	0.0010	<0.00020	<0.00020	<0.00020	<0.00020	0.18
Vinyl chloride	mg/L	--	--	--	--	--	--	--
Xylenes (total)	mg/L	0.51	0.021	<0.00030	<0.00030	<0.00030	<0.00030	0.29
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.00021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000042	<0.00021
2,4-Dimethylphenol	mg/L	0.0040	0.0046	<0.00040	<0.000040	<0.000040	<0.000080	0.40
2,4-Dinitrotoluene	mg/L	<0.00058	<0.000058	<0.00058	<0.000058	<0.000058	<0.00012	<0.00058
2,6-Dinitrotoluene	mg/L	<0.00042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000084	<0.00042
2-Chloronaphthalene	mg/L	<0.00021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000042	<0.00021
2-Methylnaphthalene	mg/L	0.078	0.00088	<0.00019	<0.000019	<0.000019	<0.000038	0.049
2-Methylphenol	mg/L	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.00020	<0.000020	<0.00020	<0.000020	<0.000020	<0.000040	<0.00020
4-Nitrophenol	mg/L	<0.00047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000094	<0.00047
Acenaphthene	mg/L	0.028	0.027	<0.00027	<0.000027	<0.000027	<0.000054	0.023
Acenaphthylene	mg/L	<0.00015	<0.000015	<0.00015	<0.000015	<0.000015	<0.000030	<0.00015
Anthracene	mg/L	0.0066	0.029	<0.00014	<0.000014	<0.000014	<0.000028	0.0051
Benzo(a)anthracene	mg/L	0.0033	0.0088	<0.00050	<0.000050	<0.000050	<0.00010	0.0020
Benzo(a)pyrene	mg/L	0.0016	0.0039	<0.00020	<0.000020	<0.000020	<0.000040	0.0012
bis(2-Chloroethoxy)methane	mg/L	<0.00030	<0.000030	<0.00030	<0.000030	<0.000030	<0.000060	<0.00030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.00037	<0.000037	<0.00037	<0.000037	<0.000037	<0.000074	<0.00037
Carbazole	mg/L	--	--	--	--	--	--	--
Chrysene	mg/L	0.0033	0.0081	<0.00021	<0.000021	<0.000021	<0.000042	0.0020
Di-n-butylphthalate (DBP)	mg/L	<0.00020	<0.000020	<0.00020	<0.000020	<0.000020	<0.000040	<0.00020
Dibenzofuran	mg/L	0.032	0.020	<0.00020	<0.000020	<0.000020	<0.000040	0.017
Fluoranthene	mg/L	0.011	0.063	<0.00010	<0.000010	<0.000010	<0.000020	0.0091
Fluorene	mg/L	0.019	0.030	<0.00030	<0.000030	<0.000030	<0.000060	0.015
N-Nitrosodiphenylamine	mg/L	<0.00025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000050	<0.00025
Naphthalene	mg/L	1.0	0.000099 J	<0.00020	<0.000020	0.000068 J	<0.000040	0.74
Nitrobenzene	mg/L	<0.00024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000048	<0.00024
Pentachlorophenol	mg/L	<0.00079	<0.000079	<0.00079	<0.000079	<0.000079	<0.00016	<0.00079
Phenanthrene	mg/L	0.032	0.093	<0.00021	<0.000021	<0.000021	<0.000042	0.025
Phenol	mg/L	<0.00035	<0.000035	<0.00035	<0.000035	<0.000035	<0.000070	<0.00035
Pyrene	mg/L	0.0093	0.037	<0.00019	<0.000019	<0.000019	<0.000038	0.0065
Metals								
Arsenic	mg/L	0.0874	0.000548 J	0.00109 J	0.0114	0.00217	0.00169 J	0.00174 J

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

	Location ID:	MW-49B	MW-50A	MW-50B	MW-51A	MW-51C	MW-53C	MW-54B
	Sample Name:	WG-1620-MW49B-20230724	WG-1620-MW50A-20230707	WG-1620-MW50B-20230709	WG-1620-MW51A-20230707	WG-1620-MW51C-20230707	WG-1620-MW53C-20230717	WG-1620-MW54B-20230721
	Sample Date:	07/24/2023	07/07/2023	07/09/2023	07/07/2023	07/07/2023	07/17/2023	07/21/2023
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	<0.0020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	0.47	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.0030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	0.21	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	0.67	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--	--	--
Xylenes (total)	mg/L	0.61	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.0021	<0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	2.3	<0.000040 J	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.0058	<0.000058 J	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.0042	<0.000042 J	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.0021	<0.000021 J	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	0.53	<0.000019 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
2-Methylphenol	mg/L	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.0020	<0.000020 J	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.0047	<0.000047 J	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	0.31	<0.000027 J	<0.000027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	mg/L	<0.0015	<0.000015 J	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	0.070	<0.000014 J	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	mg/L	<0.0050	<0.000050 J	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	0.0064 J	<0.000020 J	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.0030	<0.000030 J	<0.000030	<0.000030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.0037	0.000069 JH	0.000083 J	0.000083 J	0.000074 J	<0.000037	<0.000037
Carbazole	mg/L	--	--	--	--	--	--	--
Chrysene	mg/L	0.014	0.000054 JH	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.0020	0.00024 JH	0.00072	0.00054	0.00042	<0.000020	<0.000020
Dibenzofuran	mg/L	0.27	<0.000020 J	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Fluoranthene	mg/L	0.10	0.000017 JH	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.22	<0.000030 J	<0.000030	<0.000030	<0.000030	<0.000030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.0025	<0.000025 J	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	5.0	<0.000020 J	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Nitrobenzene	mg/L	<0.0024	<0.000024 J	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.0079	<0.000079 J	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	0.40	0.000023 JH	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	mg/L	<0.0035	<0.000035 J	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	0.077	<0.000019 J	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals								
Arsenic	mg/L	0.00901	<0.000400	0.00136 J	0.00129 J	0.000828 J	0.00124 J	0.000671 J

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

	Location ID:	MW-54C	MW-57A	MW-57B	MW-58A	MW-59A	MW-59A	MW-59B
	Sample Name:	WG-1620-MW54C-20230717	WG-1620-MW57A-20230712	WG-1620-MW57B-20230713	WG-1620-MW58A-20230712	WG-1620-MW59A-20230713	WG-1620-MW59A-20230725	WG-1620-MW59B-20230714
	Sample Date:	07/17/2023	07/12/2023	07/13/2023	07/12/2023	07/13/2023	07/25/2023	07/14/2023
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.020	<0.00020	<0.00020	--	<0.00020
Benzene	mg/L	<0.00020	0.0018	1.3	0.011	<0.00020	--	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.030	<0.00030	<0.00030	--	<0.00030
Ethylbenzene	mg/L	<0.00030	0.0016	0.40	0.00083 J	<0.00030	--	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.10	<0.0010	<0.0010	--	<0.0010
Toluene	mg/L	<0.00020	<0.00020	1.3	<0.00020	<0.00020	--	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	1.1	0.0050	<0.00030	--	<0.00030
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.0021	<0.000021 JL	--	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	2.4	<0.000040	--	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.0058	<0.000058 JL	--	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.0042	<0.000042 JL	--	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.0021	<0.000021 JL	--	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	0.0032	0.29	0.0035 JL	--	<0.000019	<0.000019
2-Methylphenol	mg/L	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.0020	<0.000020	--	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.0047	<0.000047	--	<0.000047	<0.000047
Acenaphthene	mg/L	0.015	0.038	0.13	0.014	--	<0.000027	<0.000027
Acenaphthylene	mg/L	0.00017	<0.000015	<0.0015	<0.000015 JL	--	<0.000015	<0.000015
Anthracene	mg/L	0.00050	0.0076	0.028	0.00100 JL	--	<0.000014	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	0.00043	<0.0050	<0.000050 JL	--	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	0.00022	<0.0020	<0.000020 JL	--	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.0030	<0.000030 JL	--	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.0037	<0.000037 JL	--	<0.000037	<0.000037
Carbazole	mg/L	--	--	--	--	--	--	--
Chrysene	mg/L	0.000029 J	0.00042	0.0060 J	<0.000021 JL	--	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.0020	<0.000020 JL	--	<0.000020	<0.000020
Dibenzofuran	mg/L	0.0020	0.023	0.11	0.0017 JL	--	<0.000020	<0.000020
Fluoranthene	mg/L	0.0021	0.0048	0.040	0.0014 JL	--	<0.000010	<0.000010
Fluorene	mg/L	0.0068	0.023	0.082	0.0095 JL	--	<0.000030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.0025	<0.000025 JL	--	<0.000025	<0.000025
Naphthalene	mg/L	0.000073 J	<0.00032	5.3	0.053	--	<0.000020	<0.000020
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.0024	<0.000024 JL	--	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.0079	<0.000079	--	<0.000079	<0.000079
Phenanthrene	mg/L	0.000060 J	0.016	0.14	0.0047 JL	--	<0.000021	<0.000021
Phenol	mg/L	<0.000035	<0.000035	0.16	<0.000035	--	<0.000035	<0.000035
Pyrene	mg/L	0.0012	0.0028	0.026	0.00066 JL	--	<0.000019	<0.000019
Metals								
Arsenic	mg/L	0.00446	0.0212	0.00416	0.000646 J	0.000796 J	--	0.00106 J

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

Location ID:		MW-59D	MW-59D	MW-60AR	MW-60B	MW-61A	MW-61A	MW-61B
Sample Name:		WG-1620-MW59D-20230714	WG-1620-FD02-20230714	WG-1620-MW60AR-20230717	WG-1620-MW60B-20230717	WG-1620-MW61A-20230713	WG-1620-MW61A-20230725	WG-1620-MW61B-20230713
Sample Date:		07/14/2023	07/14/2023	07/17/2023	07/17/2023	07/13/2023	07/25/2023	07/13/2023
			Duplicate					
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	0.0041	<0.00020	--	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	--	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	--	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	--	<0.0010
Toluene	mg/L	<0.00020	<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	--	<0.00030
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.000021	<0.00021	--	<0.000021	--
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.000040	<0.00040	--	<0.000040	--
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.000058	<0.00058	--	<0.000058	--
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.000042	<0.00042	--	<0.000042	--
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.00021	--	<0.000021	--
2-Methylnaphthalene	mg/L	<0.000019	<0.000019	<0.000019	<0.00019	--	<0.000019	--
2-Methylphenol	mg/L	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.00020	--	<0.000020	--
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.00047	--	<0.000047	--
Acenaphthene	mg/L	<0.000027	<0.000027	<0.000027	<0.00027	--	<0.000027	--
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.00015	--	<0.000015	--
Anthracene	mg/L	<0.000014	<0.000014	<0.000014	<0.00014	--	<0.000014	--
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.00050	--	<0.000050	--
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.00020	--	<0.000020	--
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.00030	--	<0.000030	--
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	<0.00037	--	<0.000037	--
Carbazole	mg/L	--	--	--	--	--	--	--
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.00021	--	<0.000021	--
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.00020	--	<0.000020	--
Dibenzofuran	mg/L	<0.000020	<0.000020	<0.000020	<0.00020	--	<0.000020	--
Fluoranthene	mg/L	<0.000010	<0.000010	<0.000010	<0.00010	--	0.000060 J	--
Fluorene	mg/L	<0.000030	<0.000030	<0.000030	<0.00030	--	0.000054 J	--
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.00025	--	<0.000025	--
Naphthalene	mg/L	<0.000020	<0.000020	0.00012	<0.00020	--	0.00018	--
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.00024	--	<0.000024	--
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.00079	--	<0.000079	--
Phenanthrene	mg/L	<0.000021	<0.000021	<0.000021	<0.00021	--	0.00014	--
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.00035	--	<0.000035	--
Pyrene	mg/L	<0.000019	<0.000019	<0.000019	<0.00019	--	<0.000019	--
Metals								
Arsenic	mg/L	0.000961 J	0.00105 J	0.00141 J	0.00121 J	0.000511 J	--	0.000753 J

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

	Location ID:	MW-61B	MW-62B	MW-63B	MW-64A	MW-65D	MW-66D	MW-67B
	Sample Name:	WG-1620-MW61B-20230725	WG-1620-MW62B-20230710	WG-1620-MW63B-20230719	WG-1620-MW64A-20230710	WG-1620-MW65D-20230714	WG-1620-MW66D-20230714	WG-1620-MW67B-20230724
	Sample Date:	07/25/2023	07/10/2023	07/19/2023	07/10/2023	07/14/2023	07/14/2023	07/24/2023
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	--	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	--	<0.00020	0.24	<0.00020	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	--	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	--	<0.00030	0.013	<0.00030	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	--	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	--	<0.00020	0.0046	<0.00020	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--	--	--
Xylenes (total)	mg/L	--	<0.00030	0.013	<0.00030	<0.00030	<0.00030	<0.00030
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	0.0071	<0.000040	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	<0.000019	0.019	<0.000019	<0.000019	<0.000019	<0.000019
2-Methylphenol	mg/L	--	<0.000045	--	<0.000045	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.00020	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	<0.000027	<0.000027	0.0049	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	<0.000014	0.00021 J	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.00050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.00020	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.00030	<0.000030	<0.000030	<0.000030	<0.000030 JL
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	0.000070 J	<0.00037	0.000062 J	<0.000037	<0.000037	<0.000037
Carbazole	mg/L	--	<0.000025	--	<0.000025	--	--	--
Chrysene	mg/L	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	0.00044	<0.00020	0.00028	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.000020	<0.000020	0.0049	<0.000020	<0.000020	<0.000020	<0.000020
Fluoranthene	mg/L	<0.000010	<0.000010	<0.00010	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	<0.000030	<0.000030	0.0018	<0.000030	<0.000030	<0.000030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	0.0016 J	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	<0.000020	0.000079 J	0.80	<0.000020	<0.000020	<0.000020	0.000058 J
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024 JL
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	<0.000021	<0.000021	0.00058 J	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019
Metals								
Arsenic	mg/L	--	0.000558 J	0.00224	0.000666 J	0.00105 J	0.00113 J	0.00106 J

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

Location ID:		MW-68A	MW-68B	MW-68C	MW-69A	MW-70B	MW-70C	MW-71B
Sample Name:		WG-1620-MW68A-20230719	WG-1620-MW68B-20230719	WG-1620-MW68C-20230719	WG-1620-MW69A-20230717	WG-1620-MW70B-20230720	WG-1620-MW70C-20230720	WG-1620-MW71B-20230720
Sample Date:		07/19/2023	07/19/2023	07/19/2023	07/17/2023	07/20/2023	07/20/2023	07/20/2023
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	<0.010	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.010	2.4	<0.00020	<0.00020	2.0	<0.00020	0.010
Chlorobenzene	mg/L	<0.015	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.015	0.54	<0.00030	<0.00030	0.39	<0.00030	0.00098 J
Methylene chloride	mg/L	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.010	0.68	<0.00020	<0.00020	1.9	<0.00020	0.0013
Vinyl chloride	mg/L	--	--	--	--	--	--	--
Xylenes (total)	mg/L	<0.015	1.4	<0.00030	<0.00030	1.0	<0.00030	0.0018 J
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.00021	<0.00021	<0.00021	<0.000021	<0.0021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.00040	0.0064	<0.00040	<0.000040	13	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.00058	<0.00058	<0.00058	<0.000058	<0.0058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.00042	<0.00042	<0.00042	<0.000042	<0.0042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.00021	<0.00021	<0.00021	<0.000021	<0.0021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	<0.00019	0.22	<0.00019	<0.000019	0.84	<0.000019	<0.000019
2-Methylphenol	mg/L	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.00020	<0.00020	<0.00020	<0.000020	<0.0020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.00047	<0.00047	<0.00047	<0.000047	<0.0047	<0.000047	<0.000047
Acenaphthene	mg/L	0.00054 J	0.065	<0.00027	<0.000027	0.38	<0.000027	0.00042
Acenaphthylene	mg/L	<0.00015	0.00097 J	<0.00015	<0.000015	<0.0015	<0.000015	<0.000015
Anthracene	mg/L	<0.00014	0.022	<0.00014	<0.000014	0.16	<0.000014	0.00010
Benzo(a)anthracene	mg/L	<0.00050	0.0063	<0.00050	<0.000050	0.025	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.00020	0.0019	<0.00020	<0.000020	0.0066 J	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.00030	<0.00030	<0.00030	<0.000030	<0.0030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.00037	<0.00037	<0.00037	<0.000037	<0.0037	<0.000037	<0.000037
Carbazole	mg/L	--	--	--	--	--	--	--
Chrysene	mg/L	<0.00021	0.0053	<0.00021	<0.000021	0.023	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.00020	<0.00020	<0.00020	<0.000020	<0.0020	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.00020	0.086	<0.00020	<0.000020	0.35	<0.000020	0.00021
Fluoranthene	mg/L	0.00032 J	0.043	<0.00010	<0.000010	0.21	<0.000010	0.00018
Fluorene	mg/L	<0.00030	0.048	<0.00030	<0.000030	0.32	<0.000030	0.00024
N-Nitrosodiphenylamine	mg/L	<0.00025	<0.00025	<0.00025	<0.000025	<0.0025	<0.000025	<0.000025
Naphthalene	mg/L	<0.00020	2.8	<0.00020	<0.000020	9.1	0.000028 J	0.000048 J
Nitrobenzene	mg/L	<0.00024	<0.00024	<0.00024	<0.000024	<0.0024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.00079	<0.00079	<0.00079	0.00013 J	<0.0079	<0.000079	<0.000079
Phenanthrene	mg/L	<0.00021	0.11	<0.00021	<0.000021	0.65	<0.000021	0.000082 J
Phenol	mg/L	<0.00035	<0.00035	<0.00035	<0.000035	0.73	<0.000035	<0.000035
Pyrene	mg/L	<0.00019	0.025	<0.00019	<0.000019	0.13	<0.000019	0.00012
Metals								
Arsenic	mg/L	0.0918	0.00582	<0.000400	0.000987 J	0.00307	<0.000400	0.000639 J

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

	Location ID:	MW-72B	MW-74B	MW-75B	MW-76B	MW-76C	MW-77A	MW-78A
	Sample Name:	WG-1620-MW72B-20230713	WG-1620-MW74B-20230724	WG-1620-MW75B-20230724	WG-1620-MW76B-20230709	WG-1620-MW76C-20230709	WG-1620-MW77A-20230710	WG-1620-MW78A-20230710
	Sample Date:	07/13/2023	07/24/2023	07/24/2023	07/09/2023	07/09/2023	07/10/2023	07/10/2023
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	<0.020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	1.3	<0.00020	0.13	<0.00020	<0.00020	0.026	0.18
Chlorobenzene	mg/L	<0.030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	0.32	<0.00030	0.13	<0.00030	<0.00030	0.025	0.18
Methylene chloride	mg/L	<0.10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	1.1	<0.00020	0.28	<0.00020	<0.00020	0.0043	0.34 JL
Vinyl chloride	mg/L	--	--	--	--	--	--	--
Xylenes (total)	mg/L	0.88	<0.00030	0.43	<0.00030	<0.00030	0.035	0.49
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.0021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.00021
2,4-Dimethylphenol	mg/L	8.2	<0.000040	0.013	<0.000040	<0.000040	0.0030	0.98
2,4-Dinitrotoluene	mg/L	<0.0058	<0.000058	<0.00058	<0.000058	<0.000058	<0.00058	<0.00058
2,6-Dinitrotoluene	mg/L	<0.0042	<0.000042	<0.00042	<0.000042	<0.000042	<0.00042	<0.00042
2-Chloronaphthalene	mg/L	<0.0021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.00021
2-Methylnaphthalene	mg/L	0.24	<0.000019	0.58	<0.000019	0.00022	0.040	0.26
2-Methylphenol	mg/L	--	--	--	--	--	--	0.23
4,6-Dinitro-2-methylphenol	mg/L	<0.0020	<0.000020	<0.00020	<0.000020	<0.000020	<0.00020	<0.00020
4-Nitrophenol	mg/L	<0.0047	<0.000047	<0.00047	<0.000047	<0.000047	<0.00047	<0.00047
Acenaphthene	mg/L	0.083	<0.000027	0.44	<0.000027	<0.000027	0.023	0.15
Acenaphthylene	mg/L	<0.0015	0.000055 J	<0.00015	<0.000015	<0.000015	<0.00015	<0.00015
Anthracene	mg/L	0.0079 J	0.000074 J	0.33	<0.000014	<0.000014	0.0011	0.013
Benzo(a)anthracene	mg/L	<0.0050	<0.000050	0.061	<0.000050	<0.000050	<0.00050	0.0017
Benzo(a)pyrene	mg/L	<0.0020	0.00031	0.019	<0.000020	<0.000020	<0.00020	0.00073 J
bis(2-Chloroethoxy)methane	mg/L	<0.0030	<0.000030	<0.00030	<0.000030	<0.000030	<0.00030	<0.00030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.0037	<0.000037	<0.00037	<0.000037	0.000071 J	<0.00037	<0.00037
Carbazole	mg/L	--	--	--	--	--	--	0.24
Chrysene	mg/L	<0.0021	0.00018	0.053	<0.000021	<0.000021	<0.00021	0.0014
Di-n-butylphthalate (DBP)	mg/L	<0.0020	<0.000020	<0.00020	0.00028	0.00052	<0.00020	<0.00020
Dibenzofuran	mg/L	0.059	<0.000020	0.38	<0.000020	<0.000020	0.012	0.091
Fluoranthene	mg/L	0.0026 J	0.00012	0.42	<0.000010	<0.000010	<0.00010	0.017
Fluorene	mg/L	0.041	<0.000030	0.42	<0.000030	<0.000030	0.012	0.074
N-Nitrosodiphenylamine	mg/L	<0.0025	<0.000025	<0.00025	<0.000025	<0.000025	<0.00025	<0.00025
Naphthalene	mg/L	5.2	0.000036 J	3.7	<0.000020	0.00093	0.64	4.4
Nitrobenzene	mg/L	<0.0024	<0.000024	<0.00024	<0.000024	<0.000024	<0.00024	<0.00024
Pentachlorophenol	mg/L	<0.0079	<0.000079	<0.00079	<0.000079	<0.000079	<0.00079	<0.00079
Phenanthrene	mg/L	0.030	<0.000021	1.3	<0.000021	<0.000021	0.0069	0.090
Phenol	mg/L	3.1	<0.000035	<0.00035	<0.000035	<0.000035	<0.00035	0.0092
Pyrene	mg/L	<0.0019	0.00013	0.00076 J	<0.000019	<0.000019	<0.00019	0.0067
Metals								
Arsenic	mg/L	0.00390	0.00136 J	0.000876 J	0.000798 J	0.00106 J	0.0191	0.0332

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

Location ID:		MW-79A	MW-80B	MW-81B	MW-82B	MW-83B	MW-83B	MW-83C
Sample Name:		WG-1620-MW79A-20230710	WG-1620-MW80B-20230707	WG-1620-MW81B-20230707	WG-1620-MW82B-20230718	WG-1620-MW83B-20230718	WG-1620-FD04-20230718	WG-1620-MW83C-20230718
Sample Date:		07/10/2023	07/07/2023	07/07/2023	07/18/2023	07/18/2023	07/18/2023	07/18/2023
							Duplicate	
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	0.0049 J	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.0010	<0.00020	<0.00020	<0.00020	0.0024 J	0.0043 J	<0.00020
Chlorobenzene	mg/L	<0.0015	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	0.0025 J	<0.00030	<0.00030	<0.00030	<0.00030	0.00067 J	<0.00030
Methylene chloride	mg/L	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.0010	<0.00020	<0.00020	<0.00020	0.00096 J	0.0013	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--	--	--
Xylenes (total)	mg/L	0.0053 J	<0.00030	<0.00030	<0.00030	0.015 J	0.024 J	<0.00030
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.00021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021
2,4-Dimethylphenol	mg/L	0.0098	<0.000040	<0.000040	<0.000040	<0.00040	<0.00040	<0.00040
2,4-Dinitrotoluene	mg/L	<0.00058	<0.000058	<0.000058	<0.000058	<0.00058	<0.00058	<0.00058
2,6-Dinitrotoluene	mg/L	<0.00042	<0.000042	<0.000042	<0.000042	<0.00042	<0.00042	<0.00042
2-Chloronaphthalene	mg/L	<0.00021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021
2-Methylnaphthalene	mg/L	0.0028	<0.000019	<0.000019	<0.000019	0.013 J	0.043 J	0.00054 J
2-Methylphenol	mg/L	0.0022	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.00020	<0.000020	<0.000020	<0.000020	<0.00020	<0.00020	<0.00020
4-Nitrophenol	mg/L	<0.00047	<0.000047	<0.000047	<0.000047	<0.00047	<0.00047	<0.00047
Acenaphthene	mg/L	0.0065	<0.000027	<0.000027	<0.000027	0.011 J	0.037 J	0.00057 J
Acenaphthylene	mg/L	<0.00015	0.00013	<0.000015	<0.000015	<0.00015	<0.00015	<0.00015
Anthracene	mg/L	0.00067 J	0.000023 J	<0.000014	<0.000014	0.00044 J	0.0018 J	<0.00014
Benzo(a)anthracene	mg/L	<0.00050	<0.000050	<0.000050	<0.000050	<0.00050	<0.00050	<0.00050
Benzo(a)pyrene	mg/L	<0.00020	<0.000020	<0.000020	<0.000020	<0.00020	<0.00020	<0.00020
bis(2-Chloroethoxy)methane	mg/L	<0.00030	<0.000030	<0.000030	<0.000030	<0.00030	<0.00030	<0.00030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.00037	<0.000037	0.000052 J	<0.000037	<0.00037	<0.00037	<0.00037
Carbazole	mg/L	0.011	--	--	--	--	--	--
Chrysene	mg/L	<0.00021	<0.000021	<0.000021	<0.000021	<0.00021	<0.00021	<0.00021
Di-n-butylphthalate (DBP)	mg/L	<0.00020	0.00063	0.00039	<0.000020	<0.00020	<0.00020	<0.00020
Dibenzofuran	mg/L	0.0025	<0.000020	<0.000020	<0.000020	0.0047 J	0.015 J	0.00071 J
Fluoranthene	mg/L	0.00077 J	<0.000010	<0.000010	<0.000010	0.00021 J	0.0011 J	<0.00010
Fluorene	mg/L	0.0044	<0.000030	<0.000030	<0.000030	0.0040 J	0.012 J	0.00043 J
N-Nitrosodiphenylamine	mg/L	<0.00025	<0.000025	<0.000025	<0.000025	<0.00025	<0.00025	<0.00025
Naphthalene	mg/L	0.040	<0.000020	<0.000020	<0.000020	0.034 J	0.34 J	<0.00020
Nitrobenzene	mg/L	<0.00024	<0.000024	<0.000024	<0.000024	<0.00024	<0.00024	<0.00024
Pentachlorophenol	mg/L	<0.00079	<0.000079	<0.000079	<0.000079	<0.00079	<0.00079	<0.00079
Phenanthrene	mg/L	0.0020	0.000053 J	<0.000021	<0.000021	0.0034 J	0.011 J	0.00077 J
Phenol	mg/L	<0.00035	<0.000035	<0.000035	<0.000035	<0.00035	<0.00035	<0.00035
Pyrene	mg/L	0.00070 J	<0.000019	<0.000019	<0.000019	<0.00019	0.00073 J	<0.00019
Metals								
Arsenic	mg/L	0.000740 J	0.000931 J	0.000487 J	0.000838 J	0.0175 J	0.0483 J	<0.000400

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

Location ID:		MW-84A	MW-84B	MW-85C	MW-86C	MW-87C	MW-88A	MW-88B
Sample Name:		WG-1620-MW84A-20230719	WG-1620-MW84B-20230719	WG-1620-MW85C-20230710	WG-1620-MW86C-20230710	WG-1620-MW87C-20230718	WG-1620-MW88A-20230712	WG-1620-MW88B-20230712
Sample Date:		07/19/2023	07/19/2023	07/10/2023	07/10/2023	07/18/2023	07/12/2023	07/12/2023
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.0010	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.0010	<0.00020	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.0015	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.0015	<0.00030	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	<0.0010	<0.00020	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	<0.00030	<0.0015	<0.00030	<0.00030	<0.00030	<0.00030
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.00040	<0.00040	<0.000040	<0.000040	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.00058	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.00042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	<0.00019	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
2-Methylphenol	mg/L	--	--	<0.000045	<0.000045	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.00020	<0.00020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.00047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	<0.00027	<0.00027	<0.000027	<0.000027	<0.000027	0.0021	<0.000027
Acenaphthylene	mg/L	<0.00015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	<0.00014	<0.00014	<0.000014	<0.000014	<0.000014	0.00011	<0.000014
Benzo(a)anthracene	mg/L	<0.00050	<0.00050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.00020	<0.00020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.00030	<0.00030	<0.000030	<0.000030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.00037	<0.00037	0.000095 J	0.000081 J	<0.000037	<0.000037	<0.000037
Carbazole	mg/L	--	--	<0.000025	<0.000025	--	--	--
Chrysene	mg/L	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.00020	<0.00020	0.00028	0.00039	<0.000020	<0.000091	<0.000051
Dibenzofuran	mg/L	<0.00020	<0.00020	<0.000020	<0.000020	<0.000020	0.00085	<0.000020
Fluoranthene	mg/L	<0.00010	<0.00010	<0.000010	<0.000010	<0.000010	0.00027	<0.000010
Fluorene	mg/L	<0.00030	<0.00030	<0.000030	<0.000030	<0.000030	0.00048	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.00025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	<0.00020	<0.00020	<0.000020	<0.000020	0.000029 J	<0.000020	<0.000039
Nitrobenzene	mg/L	<0.00024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.00079	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	<0.00021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	mg/L	<0.00035	<0.00035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	<0.00019	<0.00019	<0.000019	<0.000019	<0.000019	0.00055	<0.000019
Metals								
Arsenic	mg/L	0.0148	0.00112 J	0.0678	0.000539 J	0.000491 J	0.00189 J	0.00145 J

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

Location ID:		MW-88C	MW-89B	MW-90B	MW-91A	MW-91A	MW-92B	MW-93B
Sample Name:		WG-1620-MW88C-20230712	WG-1620-MW89B-20230718	WG-1620-MW90B-20230719	WG-1620-MW91A-20230718	WG-1620-FD03-20230718	WG-1620-MW92B-20230719	WG-1620-MW93B-20230718
Sample Date:		07/12/2023	07/18/2023	07/19/2023	07/18/2023	07/18/2023	07/19/2023	07/18/2023
						Duplicate		
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	<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	<0.00030	<0.00030
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	<0.000040	<0.00040	<0.000040	<0.000040	<0.00040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.00058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.00042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	<0.00019	<0.000019
2-Methylphenol	mg/L	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.00020	<0.000020	<0.000020	<0.00020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.00047	<0.000047
Acenaphthene	mg/L	<0.000027	<0.000027	<0.00027	0.00026	<0.000027	<0.00027	<0.000027
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.00015	<0.000015
Anthracene	mg/L	<0.000014	<0.000014	<0.00014	<0.000014	<0.000014	<0.00014	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.00050	<0.000050	<0.000050	<0.00050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.00020	<0.000020	<0.000020	<0.00020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.00030	<0.000030	<0.000030	<0.00030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.00037	<0.000037	<0.000037	<0.00037	<0.000037
Carbazole	mg/L	--	--	--	--	--	--	--
Chrysene	mg/L	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.000078	<0.000020	<0.00020	<0.000020	<0.000020	<0.00020	<0.000020
Dibenzofuran	mg/L	<0.000020	<0.000020	<0.00020	0.000050 J	<0.000020	<0.00020	<0.000020
Fluoranthene	mg/L	<0.000010	<0.000010	<0.00010	0.000054 J	<0.000010	<0.00010	<0.000010
Fluorene	mg/L	<0.000030	<0.000030	<0.00030	0.00017	<0.000030	<0.00030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.00025	<0.000025
Naphthalene	mg/L	<0.000052	<0.000020	<0.00020	<0.000020	<0.000020	<0.00020	<0.000020
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.00024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.00079	<0.000079
Phenanthrene	mg/L	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.00021	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.00035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	<0.00019	0.000028 J	<0.000019	<0.00019	<0.000019
Metals								
Arsenic	mg/L	0.000681 J	0.000702 J	0.00138 J	0.0363	0.0292	0.000871 J	0.00120 J

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

	Location ID:	MW-94A	MW-95A	MW-96B	MW-97A	MW-98A	MW-98B	MW-99C
	Sample Name:	WG-1620-MW94A-20230720	WG-1620-MW95A-20230721	WG-1620-MW96B-20230721	WG-1620-MW97A-20230709	WG-1620-MW98A-20230709	WG-1620-MW98B-20230709	WG-1620-MW99C-20230721
	Sample Date:	07/20/2023	07/21/2023	07/21/2023	07/09/2023	07/09/2023	07/09/2023	07/21/2023
Parameters	**Unit**							
Volatile Organic Compounds								
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.00020	<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	<0.00030	<0.00030
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	mg/L	<0.000021	0.000036 J	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021
2,4-Dimethylphenol	mg/L	<0.000040	0.00033	0.0013 J	<0.000040	<0.000040	<0.000040	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<0.000058	<0.00058	<0.000058	<0.000058	<0.000058	<0.000058
2,6-Dinitrotoluene	mg/L	<0.000042	<0.000042	<0.00042	<0.000042	<0.000042	<0.000042	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	<0.000019	0.00052	0.0014	<0.000019	<0.000019	<0.000019	<0.000019
2-Methylphenol	mg/L	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.00020	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.00047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	<0.000027	0.000095 J	<0.00027	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.00015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	0.000017 J	<0.00014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.00050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.00020	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.00030	<0.000030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.00037	0.000086 J	0.00013 J	0.000040 J	<0.000037
Carbazole	mg/L	--	--	--	--	--	--	--
Chrysene	mg/L	<0.000021	<0.000021	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.00020	0.00061	0.00067	0.00026	<0.000020
Dibenzofuran	mg/L	<0.000020	0.00014	<0.00020	<0.000020	<0.000020	<0.000020	<0.000020
Fluoranthene	mg/L	<0.000010	<0.000010	<0.00010	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	<0.000030	0.000059 J	<0.00030	<0.000030	<0.000030	<0.000030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.00025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	<0.000020	0.0062	0.021	<0.000020	<0.000020	<0.000020	0.000053 J
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.00024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.00079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	<0.000021	0.000068 J	<0.00021	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.00035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	<0.00019	<0.000019	<0.000019	<0.000019	<0.000019
Metals								
Arsenic	mg/L	0.00931	0.000945 J	0.000895 J	0.000962 J	0.00933	0.00155 J	0.000469 J

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

	Location ID:	P-11	TW-41B	Field Blank	Field Blank	Field Blank
	Sample Name:	WG-1620-P11-20230711	WG-1620-TW41B-20230713	WG-1620-FB01-20230707	WG-1620-FB02-20230709	WG-1620-FB03-20230710
	Sample Date:	07/11/2023	07/13/2023	07/07/2023	07/09/2023	07/10/2023
Parameters	**Unit**					
Volatile Organic Compounds						
1,2-Dichloroethane	mg/L	<0.00020	<0.0010	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.0010	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.0015	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	0.0025 J	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<0.0010	<0.00020	<0.00020	<0.00020
Vinyl chloride	mg/L	--	--	--	--	--
Xylenes (total)	mg/L	<0.00030	0.020	<0.00030	<0.00030	<0.00030
Semivolatile 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	0.035	<0.000019	<0.000019	<0.000019
2-Methylphenol	mg/L	<0.000045	--	--	--	<0.000045
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	0.00058	0.062	<0.000027	<0.000027	<0.000027
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	0.0028	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
bis(2-Chloroethoxy)methane	mg/L	<0.000030	<0.000030	<0.000030	<0.000030	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037
Carbazole	mg/L	<0.000025	--	--	--	<0.000025
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	0.000051 J	<0.000020	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	0.00011	0.033	<0.000020	<0.000020	<0.000020
Fluoranthene	mg/L	<0.000010	0.0023	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.000087 J	0.038	<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	0.18	<0.000020	<0.000020	<0.000020
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	<0.000021	0.017	<0.000021	<0.000021	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	0.00087	<0.000019	<0.000019	<0.000019
Metals						
Arsenic	mg/L	0.0451	0.0937	<0.000400	<0.000400	<0.000400

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

Location ID:		Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank
Sample Name:		WG-1620-FB04-20230711	WG-1620-FB06-20230713	WG-1620-FB07-20230717	WG-1620-FB08-20230718	WG-1620-FB09-20230720	WG-1620-FB10-20230724
Sample Date:		07/11/2023	07/13/2023	07/17/2023	07/18/2023	07/20/2023	07/24/2023
Parameters	**Unit**						
Volatile Organic Compounds							
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<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	<0.00030
Semivolatile Organic Compounds							
1,2-Diphenylhydrazine	mg/L	<0.000021	<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	<0.000040
2,4-Dinitrotoluene	mg/L	<0.000058	<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	<0.000042
2-Chloronaphthalene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
2-Methylnaphthalene	mg/L	0.000049 J	0.00034	<0.000019	<0.000019	<0.000019	<0.000019
2-Methylphenol	mg/L	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
4-Nitrophenol	mg/L	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047	<0.000047
Acenaphthene	mg/L	<0.000027	0.00010	<0.000027	<0.000027	<0.000027	<0.000027
Acenaphthylene	mg/L	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Anthracene	mg/L	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014
Benzo(a)anthracene	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene	mg/L	<0.000020	<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	<0.000030
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037	<0.000037
Carbazole	mg/L	--	--	--	--	--	--
Chrysene	mg/L	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021	<0.000021
Di-n-butylphthalate (DBP)	mg/L	0.000071 J	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	<0.000020	0.00014	<0.000020	<0.000020	<0.000020	<0.000020
Fluoranthene	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	<0.000030	0.000064 J	<0.000030	<0.000030	<0.000030	<0.000030
N-Nitrosodiphenylamine	mg/L	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025	<0.000025
Naphthalene	mg/L	0.00057	0.0010	<0.000020	<0.000020	<0.000020	<0.000020
Nitrobenzene	mg/L	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024	<0.000024
Pentachlorophenol	mg/L	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079	<0.000079
Phenanthrene	mg/L	<0.000021	0.000051 J	<0.000021	<0.000021	<0.000021	<0.000021
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Metals							
Arsenic	mg/L	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400

Table 2

Analytical Results Summary
Semiannual Site-Wide Monitoring
Union Pacific Railroad - Houston Wood Preserving Works
Houston, Texas
July 2023

	Location ID:	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
	Sample Name:	WG-1620-TB01-20230710	WG-1620-TB02-20230711	WG-1620-TB03-20230712	WG-1620-TB04-20230718	WG-1620-TB05-20230719	WG-1620-TB06-20230720
	Sample Date:	07/10/2023	07/11/2023	07/12/2023	07/18/2023	07/19/2023	07/20/2023
Parameters	**Unit**						
Volatile Organic Compounds							
1,2-Dichloroethane	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Benzene	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Chlorobenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Ethylbenzene	mg/L	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Methylene chloride	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	mg/L	<0.00020	<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	<0.00030
Semivolatile Organic Compounds							
1,2-Diphenylhydrazine	mg/L	--	--	--	--	--	--
2,4-Dimethylphenol	mg/L	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/L	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/L	--	--	--	--	--	--
2-Chloronaphthalene	mg/L	--	--	--	--	--	--
2-Methylnaphthalene	mg/L	--	--	--	--	--	--
2-Methylphenol	mg/L	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/L	--	--	--	--	--	--
4-Nitrophenol	mg/L	--	--	--	--	--	--
Acenaphthene	mg/L	--	--	--	--	--	--
Acenaphthylene	mg/L	--	--	--	--	--	--
Anthracene	mg/L	--	--	--	--	--	--
Benzo(a)anthracene	mg/L	--	--	--	--	--	--
Benzo(a)pyrene	mg/L	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/L	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	--	--	--	--	--	--
Carbazole	mg/L	--	--	--	--	--	--
Chrysene	mg/L	--	--	--	--	--	--
Di-n-butylphthalate (DBP)	mg/L	--	--	--	--	--	--
Dibenzofuran	mg/L	--	--	--	--	--	--
Fluoranthene	mg/L	--	--	--	--	--	--
Fluorene	mg/L	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/L	--	--	--	--	--	--
Naphthalene	mg/L	--	--	--	--	--	--
Nitrobenzene	mg/L	--	--	--	--	--	--
Pentachlorophenol	mg/L	--	--	--	--	--	--
Phenanthrene	mg/L	--	--	--	--	--	--
Phenol	mg/L	--	--	--	--	--	--
Pyrene	mg/L	--	--	--	--	--	--
Metals							
Arsenic	mg/L	--	--	--	--	--	--

Notes:

J - Estimated concentration
< - Not detected at the associated reporting limit
-- - Not applicable
JH - Estimated concentration, result may be biased high
JL - Estimated concentration, result may be biased low

Table 3

Analytical Methods
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

Parameter	Method	Matrix	Holding Time	
			Collection to Extraction (Days)	Collection or Extraction to Analysis (Days)
Select Volatile Organic Compounds (VOCs)	SW-846 8260C	Water	-	14
Select Semi-Volatile Organic Compounds (SVOCs)	SW-846 8270D	Water	7	40
Arsenic	SW-846 6020A	Water	-	180

Notes:

Method References:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions
\- - Not Applicable

Table 4

Qualified Sample Results Due to Outlying Internal Standard (IS) Recoveries
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

Parameter	Sample ID	Internal Standard	IS Area Count (percent)	Control Limits (percent)	Analytes	Qualified Results	Units
SVOCs	WG-1620-MW50A-20230707	1, 4-Dichlorobenzene	< 50%	50-200	Fluoranthene	0.000017 JH	mg/L
		Naphthalene-d8	< 50%		Phenanthrene	0.000023 JH	mg/L
		Acenaphthene-d10,	< 50%		Chrysene	0.000054 JH	mg/L
		Phenanthrene-d10	< 50%		bis(2-Ethylhexyl)phthalate (DEHP)	0.000069 JH	mg/L
		Chrysene-d12	< 50%		Di-n-butylphthalate (DBP)	0.00024 JH	mg/L
		Perylene-d12	< 50%		1,2-Diphenylhydrazine	<0.000021 J	mg/L
					2,4-Dimethylphenol	<0.000040 J	mg/L
					2,4-Dinitrotoluene	<0.000058 J	mg/L
					2,6-Dinitrotoluene	<0.000042 J	mg/L
					2-Chloronaphthalene	<0.000021 J	mg/L
					2-Methylnaphthalene	<0.000019 J	mg/L
					4,6-Dinitro-2-methylphenol	<0.000020 J	mg/L
					4-Nitrophenol	<0.000047 J	mg/L
					Acenaphthene	<0.000027 J	mg/L
					Acenaphthylene	<0.000015 J	mg/L
					Anthracene	<0.000014 J	mg/L

Table 4

Qualified Sample Results Due to Outlying Internal Standard (IS) Recoveries
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

Parameter	Sample ID	Internal Standard	IS Area Count (percent)	Control Limits (percent)	Analytes	Qualified Results	Units
SVOCs	WG-1620-MW50A-20230707				Benzo(a)anthracene	<0.000050 J	mg/L
					Benzo(a)pyrene	<0.000020 J	mg/L
					bis(2-Chloroethoxy)methane	<0.000030 J	mg/L
					Dibenzofuran	<0.000020 J	mg/L
					Fluorene	<0.000030 J	mg/L
					N-Nitrosodiphenylamine	<0.000025 J	mg/L
					Naphthalene	<0.000020 J	mg/L
					Nitrobenzene	<0.000024 J	mg/L
					Pentachlorophenol	<0.000079 J	mg/L
					Phenol	<0.000035 J	mg/L
					Pyrene	<0.000019 J	mg/L

Notes:

JH - Estimated concentration, result may be biased high
SVOCs - Semi-volatile Organic Compounds
<()J - Not detected; associated reporting limit is estimated

Table 5

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
SVOCs	WG-1620-MW58A-20230712	2-Fluorobiphenyl	39.3	40-125	Pyrene	0.00066 JL	mg/L
		Nitrobenzene-d5	33.8	41-120	Anthracene	0.00100 JL	mg/L
					Fluoranthene	0.0014 JL	mg/L
					Dibenzofuran	0.0017 JL	mg/L
					2-Methylnaphthalene	0.0035 JL	mg/L
					Phenanthrene	0.0047 JL	mg/L
					Fluorene	0.0095 JL	mg/L
					1,2-Diphenylhydrazine	<0.000021 JL	mg/L
					2,4-Dinitrotoluene	<0.000058 JL	mg/L
					2,6-Dinitrotoluene	<0.000042 JL	mg/L
					2-Chloronaphthalene	<0.000021 JL	mg/L
					Acenaphthylene	<0.000015 JL	mg/L
					Benzo(a)anthracene	<0.000050 JL	mg/L
					Benzo(a)pyrene	<0.000020 JL	mg/L
					bis(2-Chloroethoxy)methane	<0.000030 JL	mg/L
					bis(2-Ethylhexyl)phthalate (DEHP)	<0.000037 JL	mg/L
					Chrysene	<0.000021 JL	mg/L
					Di-n-butylphthalate (DBP)	<0.000020 JL	mg/L
					Nitrobenzene	<0.000024 JL	mg/L
					N-Nitrosodiphenylamine	<0.000025 JL	mg/L

Notes:

JL - Estimated concentration, result may be biased low
<() - Not detected at the associated reporting limit
SVOCs - Semi-volatile Organic Compounds

Table 6

Qualified Sample Results Due to Outlying MS/MSD Results
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
VOCs	WG-1620-MW78A-20230710	Toluene	69.2	63.4	1.45	70-123	20	0.34 JL	mg/L
SVOCs	WG-1620-MW28C-20230718	2-Chloronaphthalene	48.3	40.7	17	50-120	20	<0.000021 JL	mg/L
		2-Methylnaphthalene	44.3	49.1	10.3	50-120	20	<0.000019 JL	mg/L
		bis(2-Chloroethoxy)methane	44	39	12	45-120	20	<0.000030 JL	mg/L
SVOCs	WG-1620-MW67B-20230724	bis(2-Chloroethoxy)methane	39.2	42.5	7.91	45-120	20	<0.000030 JL	mg/L
		Nitrobenzene	38.9	43.5	11.2	44-120	20	<0.000024 JL	mg/L

Notes:

MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference
JL - Estimated concentration, result may be biased low
SVOCs - Semi-volatile Organic Compounds
VOCs - Volatile Organic Compounds

Table 7

Qualified Sample Data Due to Analyte Concentrations in the Field Blanks
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

Parameter	Field Blank ID	Blank Date (mm/dd/yyyy)	Analyte	Blank Result	Associated Sample ID	Original Result	Qualified Result	Units
SVOCs	WG-1620-FB04-20230711	07/11/2023	2-Methylnaphthalene	0.000049 J	WG-1620-MW15B-20230711	0.000076 J	< 0.000076	mg/L
					WG-1620-MW12C-20230712	0.00011	< 0.00011	mg/L
SVOCs	WG-1620-FB04-20230711	07/11/2023	Di-n-butylphthalate (DBP)	0.000071 J	WG-1620-MW15C-20230711	0.00011 J	< 0.00011	mg/L
					WG-1620-MW21C-20230711	0.00012 J	< 0.00012	mg/L
					WG-1620-FD01-20230711	0.000078 J	< 0.000078	mg/L
					WG-1620-MW88A-20230712	0.000091 J	< 0.000091	mg/L
					WG-1620-MW88B-20230712	0.000051 J	< 0.000051	mg/L
					WG-1620-MW88C-20230712	0.000078 J	< 0.000078	mg/L
					WG-1620-MW12C-20230712	0.00014 J	< 0.00014	mg/L
SVOCs	WG-1620-FB04-20230711	07/11/2023	Naphthalene	0.00057	WG-1620-MW88B-20230712	0.000039 J	< 0.000039	mg/L
					WG-1620-MW88C-20230712	0.000052 J	< 0.000052	mg/L
					WG-1620-FD01-20230711	0.000063 J	< 0.000063	mg/L
					WG-1620-MW14-20230711	0.000090 J	< 0.000090	mg/L
					WG-1620-MW15B-20230711	0.00061	< 0.00061	mg/L
					WG-1620-MW12C-20230712	0.00075	< 0.00075	mg/L
					WG-1620-MW15C-20230711	0.0010	< 0.0010	mg/L
					WG-1620-MW12A-20230712	0.0013	< 0.0013	mg/L
SVOCs	WG-1620-FB06-20230713	07/13/2023	2-Methylnaphthalene	0.00034	WG-1620-MW19C-20230712	0.000047 J	< 0.000047	mg/L
					WG-1620-MW39B-20230713	0.00013	< 0.00013	mg/L
SVOCs	WG-1620-FB06-20230713	07/13/2023	Dibenzofuran	0.00014	WG-1620-MW19C-20230712	0.00049	< 0.00049	mg/L
					WG-1620-MW39B-20230713	0.000050 J	< 0.000050	mg/L

Table 7

Qualified Sample Data Due to Analyte Concentrations in the Field Blanks
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

Parameter	Field Blank ID	Blank Date (mm/dd/yyyy)	Analyte	Blank Result	Associated Sample ID	Original Result	Qualified Result	Units
SVOCs	WG-1620-FB06-20230713	07/13/2023	Fluorene	0.000064 J	WG-1620-MW39B-20230713	0.00024	< 0.00024	mg/L
SVOCs	WG-1620-FB06-20230713	07/13/2023	Naphthalene	0.0010	WG-1620-MW19C-20230712	0.00023	< 0.00023	mg/L
					WG-1620-MW57A-20230712	0.00032	< 0.00032	mg/L
					WG-1620-MW13-20230713	0.000073 J	< 0.000073	mg/L
					WG-1620-MW39B-20230713	0.0020	< 0.0020	mg/L
SVOCs	WG-1620-FB06-20230713	07/13/2023	Phenanthrene	0.000051 J	WG-1620-MW19C-20230712	0.00012	< 0.00012	mg/L

Notes:

<() - Not detected at the associated reporting limit
J - Estimated concentration
SVOCs - Semi-volatile Organic Compounds

Table 8

Qualified Sample Data Due to Variability in Field Duplicate Results
Semiannual Site-Wide Monitoring
Union Pacific Railroad (UPRR) - Houston Wood Preserving Works
Houston, Texas
July 2023

Parameter	Analyte	RPD	Diff	RL	Sample ID	Qualified Result	Field Duplicate Sample ID	Qualified Result	Units
Metals	Arsenic	94	0.0308	0.00200	WG-1620-MW83B-20230718	0.0175 J	WG-1620-FD04-20230718	0.0483 J	mg/L
SVOCs	2-Methylnaphthalene	107	0.03	0.0010	WG-1620-MW83B-20230718	0.013 J	WG-1620-FD04-20230718	0.043 J	mg/L
	Acenaphthene	108	0.026	0.0010		0.011 J		0.037 J	mg/L
	Anthracene	121	0.00136	0.0010		0.00044 J		0.0018 J	mg/L
	Dibenzofuran	105	0.0103	0.0010		0.0047 J		0.015 J	mg/L
	Fluoranthene	136	0.00089	0.0010		0.00021 J		0.0011 J	mg/L
	Fluorene	100	0.008	0.0010		0.0040 J		0.012 J	mg/L
	Naphthalene	164	0.306	0.0010		0.034 J		0.34 J	mg/L
	Phenanthrene	106	0.0076	0.0010		0.0034 J		0.011 J	mg/L
VOCs	Benzene	57	0.0019	0.0010	WG-1620-MW83B-20230718	0.0024 J	WG-1620-FD04-20230718	0.0043 J	mg/L
	Xylenes (total)	46	0.009	0.0030		0.015 J		0.024 J	mg/L
Metals	Arsenic	89	0.01557	0.00200	WG-1620-MW33A-20230720	0.0253 J	WG-1620-FD05-20230720	0.00973 J	mg/L
SVOCs	Fluoranthene	140	0.00014	0.00010	WG-1620-MW33A-20230720	0.000030 J	WG-1620-FD05-20230720	0.00017 J	mg/L
	Pyrene	179	0.000331	0.00010		<0.000019 J		0.00035 J	mg/L

Notes:

Diff - Difference (<1X RL for waters)
J - Estimated concentration
RL - Reporting Limit
RPD - Relative Percent Difference
SVOCs - Semi-volatile Organic Compounds
<()J - Not detected; associated reporting limit is estimated
VOCs - Volatile Organic Compounds

Data Validation Report

August 15, 2023

To	Eric Matzner (eric.matzner@wsp.com)	**Project No.**	11183954 95.06 (1620)
Copy to	Jesse Orth, Julie Lidstone	**DVR No.**	NA
From	Chris G. Knight/eew/1601	**Contact No.**	512-777-5833
Project Name	UPRR - Various Data Mgmt	**Email**	christopher.knight@ghd.com
Subject	Data Usability Summary HWPW - Semiannual SWMU No. 1 Monitoring Event Union Pacific Railroad (UPRR)/Houston TX-Wood Preserving Works Houston, Texas July 2023		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Scope of Data Usability Study

This document details a Data Usability Summary (DUS) of analytical results for samples collected in support of the HWPW - Semiannual SWMU No. 1 Monitoring Event at the UPRR/Houston TX-Wood Preserving Works site during July 2023. Samples were submitted to ALS Global, located in Houston, Texas and are reported in data package HS23070250. The intended use of the data is to support the HWPW - Semi-Annual SWMU No. 1 Monitoring Event at the site by providing current concentrations of chemicals of concern.

Data were reviewed and validated by Chris G. Knight of GHD Services Inc. (GHD)., in accordance with Title 30 of the Texas Administrative Code Section 350.54 (30 TAC 350.54) as described in the Texas Commission on Environmental Quality (TCEQ) Regulatory Guidance document entitled "Review and Reporting of COC Concentration Data under TRRP", (RG-366/TRRP-13), revised May 2010, herein referred to as "TRRP-13 Guidance". Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, recovery data from surrogate spikes/laboratory control samples (LCS)/matrix spikes (MS), field quality assurance/quality control (QA/QC) samples, the laboratory review checklist (LRC), and the laboratory exception report (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. The data package includes a cross-reference list of field sample identifications to laboratory sample designations.

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 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 and MS analyses.

4. Data Review/Validation Results

4.1 Sample Holding Time and Preservation

Samples were shipped with chains of custody and the paperwork was filled out properly. All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

Sample chain of custody documents and 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 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 method.

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 managed in the field, these blanks are not listed on the sample identification cross-reference list found in the data package.

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 package. All internal standard recoveries associated with the compounds of interest were acceptable per the LRC.

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organic determinations are spiked with the appropriate number of surrogate compounds prior to sample extraction and 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.

Surrogate recoveries were assessed against laboratory control limits and/or the guidance in TRRP-13. Samples analyzed at elevated sample dilutions (5 times or greater) were not assessed. All surrogate recoveries met the above criteria.

4.6 Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects. The recovery ranges established by the laboratory are adopted as the acceptance criteria for the project.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

The LCS contained all compounds specified in the method. All LCS recoveries were within the laboratory control limits, demonstrating acceptable analytical accuracy.

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.

An MS/MSD analysis was 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 compounds specified in the method. All percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

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 Field QA/QC Samples

The field QA/QC consisted of 2 field blank samples and 2 field duplicate sample sets.

Field Blank Sample Analysis

To assess ambient conditions at the site, 2 field blank samples were submitted for semi-volatile organic compounds (SVOCs) analysis. All results were non-detect for the compounds of interest.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, 2 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. Some field duplicate results met the above criteria demonstrating acceptable sampling and analytical precision. The following samples did not meet criteria (see Table 4):

i.) WG-1620-MW01A-20230705 and WG-1620-FD01-20230705 did show variability in all SVOCs and were qualified as estimated.

ii.) WG-1620-P10-20230706 and WG-1620-FD02-20230706 did show variability in several SVOCs and were qualified as estimated.

4.9 Field Procedures

WSP USA, Inc. collected groundwater samples in accordance with their Standard Operating Procedures (SOP) for sample collection.

4.10 Analyte Reporting

The laboratory reported detected results for each analyte down to the sample detection limit (SDL), which is defined as the method detection limit (MDL) with sample-specific adjustments for dilutions, aliquot size, volumes, etc. Positive analyte detections less than the MQL but greater than the SDL were qualified as estimated (J) in Table 2 unless qualified otherwise in this report.

All detectability check standard (DCS) results supported the laboratory MDLs.

5. Conclusion

Based on the assessment detailed in the foregoing, the analytical data summarized in Table 2 are usable for the purpose of supporting the HWPW - Semiannual SWMU No. 1 Monitoring Event at the site with the specific qualifications noted herein.

Regards

Chris G. Knight
Data Intelligence – Digital Team Lead – Data Validator

Table 1

Sample Collection and Analysis Summary
Semiannual SWMU No. 1 Monitoring Event
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2023

					Analysis/Parameters	
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**SVOCs**	**Comments**
WG-1620-MW11B-20230705	MW-11B	Water	07/05/2023	10:20	X	
WG-1620-MW11A-20230705	MW-11A	Water	07/05/2023	11:10	X	
WG-1620-MW10B-20230705	MW-10B	Water	07/05/2023	12:05	X	
WG-1620-MW10A-20230705	MW-10A	Water	07/05/2023	12:55	X	
WG-1620-MW02-20230705	MW-02	Water	07/05/2023	13:55	X	
WG-1620-MW01A-20230705	MW-01A	Water	07/05/2023	15:05	X	
WG-1620-FD01-20230705	MW-01A	Water	07/05/2023	15:05	X	Field duplicate of MW-01A
WG-1620-FB01-20230705	-	Water	07/05/2023	15:30	X	Field Blank
WG-1620-P12-20230705	P-12	Water	07/05/2023	16:25	X	MS/MSD
WG-1620-MW07-20230705	MW-07	Water	07/05/2023	17:20	X	
WG-1620-P10-20230706	P-10	Water	07/06/2023	08:35	X	
WG-1620-FD02-20230706	P-10	Water	07/06/2023	08:35	X	Field duplicate of P-10
WG-1620-MW08-20230706	MW-08	Water	07/06/2023	09:35	X	
WG-1620-FB02-20230706	-	Water	07/06/2023	10:00	X	Field Blank

Notes:

SVOCs - Semi-volatile Organic Compounds
MS/MSD - Matrix Spike/ Matrix Spike Duplicate
"-" - Not Applicable

Table 2

Analytical Results Summary
Semiannual SWMU No. 1 Monitoring Event
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2023

Location ID:		MW-01A	MW-01A	MW-02	MW-07
Sample Name:		WG-1620-MW01A-20230705	WG-1620-FD01-20230705	WG-1620-MW02-20230705	WG-1620-MW07-20230705
Sample Date:		07/05/2023	07/05/2023	07/05/2023	07/05/2023
			Duplicate		
Parameters	**Unit**				
Semi-volatile Organic Compounds					
2-Methylnaphthalene	mg/L	0.000035 J	0.014 J	0.00033	<0.000019
Acenaphthene	mg/L	0.032 J	0.076 J	0.0035	0.000071 J
Acenaphthylene	mg/L	0.00039 J	0.00073 J	0.000059 J	0.000037 J
Anthracene	mg/L	0.00060 J	0.0018 J	0.00011	0.000073 J
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037 J	0.000082 J	<0.000037	<0.000037
Di-n-butylphthalate (DBP)	mg/L	--	--	--	--
Dibenzofuran	mg/L	0.0010 J	0.0084 J	0.00039	<0.000020
Fluoranthene	mg/L	0.0014 J	0.0032 J	0.00042	0.000070 J
Fluorene	mg/L	0.0095 J	0.028 J	0.0014	0.000088 J
Naphthalene	mg/L	0.00029 J	0.0053 J	0.00025	0.000094 J
Phenanthrene	mg/L	0.00041 J	0.0037 J	0.00032	0.00028
Phenol	mg/L	--	--	--	--
Pyrene	mg/L	0.00070 J	0.0015 J	0.00026	0.00011

Table 2

Analytical Results Summary
Semiannual SWMU No. 1 Monitoring Event
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2023

Location ID:		**MW-08**	**MW-10A**	**MW-10B**	**MW-11A**
Sample Name:		**WG-1620-MW08-20230706**	**WG-1620-MW10A-20230705**	**WG-1620-MW10B-20230705**	**WG-1620-MW11A-20230705**
Sample Date:		**07/06/2023**	**07/05/2023**	**07/05/2023**	**07/05/2023**
Parameters	**Unit**				
Semi-volatile Organic Compounds					
2-Methylnaphthalene	mg/L	<0.000019	0.000044 J	--	<0.000019
Acenaphthene	mg/L	<0.000027	0.00011	0.015	0.000038 J
Acenaphthylene	mg/L	<0.000015	0.000034 J	0.00014	0.000016 J
Anthracene	mg/L	<0.000014	0.000039 J	0.00051	0.000023 J
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	0.000071 J	0.000055 J	0.000057 J
Di-n-butylphthalate (DBP)	mg/L	--	--	<0.000020	--
Dibenzofuran	mg/L	<0.000020	<0.000020	0.0024	<0.000020
Fluoranthene	mg/L	<0.000010	0.000062 J	0.00089	0.000048 J
Fluorene	mg/L	<0.000030	0.00010	0.0051	0.000081 J
Naphthalene	mg/L	<0.000020	0.00023	0.00018	0.000061 J
Phenanthrene	mg/L	<0.000021	0.00029	--	0.00022
Phenol	mg/L	--	--	<0.000035	--
Pyrene	mg/L	<0.000019	0.00012	0.00046	<0.000019

Table 2

Analytical Results Summary
Semiannual SWMU No. 1 Monitoring Event
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2023

Location ID:		**MW-11B**	**P-10**	**P-10**	**P-12**
Sample Name:		**WG-1620-MW11B-20230705**	**WG-1620-P10-20230706**	**WG-1620-FD02-20230706**	**WG-1620-P12-20230705**
Sample Date:		**07/05/2023**	**07/06/2023**	**07/06/2023**	**07/05/2023**
				Duplicate	
Parameters	**Unit**				
Semi-volatile Organic Compounds					
2-Methylnaphthalene	mg/L	--	--	--	--
Acenaphthene	mg/L	0.069	<0.000027 J	0.000075 J	<0.000027
Acenaphthylene	mg/L	0.00090	<0.000015 J	0.000034 J	<0.000015
Anthracene	mg/L	0.0027	0.000034 J	0.000049 J	0.000029 J
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	<0.000037	<0.000037 J	0.000082 J	<0.000037
Di-n-butylphthalate (DBP)	mg/L	<0.000020	<0.000020	<0.000020	<0.000020
Dibenzofuran	mg/L	0.021	<0.000020	<0.000020	<0.000020
Fluoranthene	mg/L	0.0041	0.000047 J	0.000062 J	0.000041 J
Fluorene	mg/L	0.028	0.000059 J	0.000073 J	0.000058 J
Naphthalene	mg/L	0.16	0.000070 J	0.000035 J	0.000047 J
Phenanthrene	mg/L	--	--	--	--
Phenol	mg/L	<0.000035	<0.000035	<0.000035	<0.000035
Pyrene	mg/L	0.0022	0.000085 J	0.00023 J	0.000074 J

Notes:

< - Not detected at the associated reporting limit

J - Estimated concentration

"--" - Not analyzed

Table 3

Analytical Methods
Semiannual SWMU No. 1 Monitoring Event
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2023

			Holding Time	
Parameter	**Method**	**Matrix**	**Collection to Extraction (Days)**	**Extraction to Analysis (Days)**
SVOCs	SW-846 8270D	Water	7	40

Notes:

SVOCs - Semi-volatile Organic Compounds

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 Variability in Field Duplicate Results
Semiannual SWMU No. 1 Monitoring Event
Union Pacific Railroad (UPRR)/Houston, TX-Wood Preserving Works
Houston, Texas
July 2023

Parameter	Analyte	RPD	Diff	Sample ID	Qualified Result	Field Duplicate Sample ID	Qualified Result	Units
SVOCs	2-Methylnaphthalene	199	0.013965	WG-1620-MW01A-20230705	0.000035 J	WG-1620-FD01-20230705	0.014 J	mg/L
	Acenaphthene	81.5	0.044		0.032 J		0.076 J	mg/L
	Acenaphthylene	60.7	0.00034		0.00039 J		0.00073 J	mg/L
	Anthracene	100	0.0012		0.00060 J		0.0018 J	mg/L
	bis(2-Ethylhexyl)phthalate (DEHP)	75.6	0.000045		<0.000037 J		0.000082 J	mg/L
	Dibenzofuran	157	0.0074		0.0010 J		0.0084 J	mg/L
	Fluoranthene	78.3	0.0018		0.0014 J		0.0032 J	mg/L
	Fluorene	98.7	0.0185		0.0095 J		0.028 J	mg/L
	Naphthalene	179	0.00501		0.00029 J		0.0053 J	mg/L
	Phenanthrene	160	0.00329		0.00041 J		0.0037 J	mg/L
	Pyrene	72.7	0.0008		0.00070 J		0.0015 J	mg/L
SVOCs	Acenaphthene	94.1	0.000048	WG-1620-P10-20230706	<0.000027 J	WG-1620-FD02-20230706	0.000075 J	mg/L
	Acenaphthylene	77.6	0.000019		<0.000015 J		0.000034 J	mg/L
	Anthracene	36.1	0.000015		0.000034 J		0.000049 J	mg/L
	bis(2-Ethylhexyl)phthalate (DEHP)	75.6	0.000045		<0.000037 J		0.000082 J	mg/L
	Naphthalene	66.7	0.000035		0.000070 J		0.000035 J	mg/L
	Pyrene	92.1	0.000145		0.000085 J		0.00023 J	mg/L

Notes:

RPD - Relative Percent Difference
Diff - Difference
SVOCs - Semi-volatile Organic Compounds
< - Not detected at the associated reporting limit
J - Estimated concentration

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.

Erin E. Chancellor

Executive Director Texas Commission on Environmental Quality

Certificate Number: T104704231-23-32
Effective Date: 7/19/2023
Expiration Date: 4/30/2024

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

July 24, 2023

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS23070250**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Eric Matzner,

ALS Environmental received 14 sample(s) on Jul 07, 2023 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
James Guin

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS23070250**	

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.

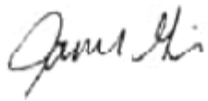
R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Golder
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS23070250**

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.



James Guin

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 07/24/2023				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS23070250				
Reviewer Name: James Guin			Prep Batch Number(s): 197317				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?		X			2
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 07/24/2023				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS23070250				
Reviewer Name: James Guin			Prep Batch Number(s): 197317				
#[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: 07/24/2023
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS23070250
Reviewer Name: James Guin	Prep Batch Number(s): 197317

ER#[5]	Description
1	Texas TPH by TX1005, sample WG-1620-MW11B-20230705, the surrogates could not be determined due to dilution below the calibration range.
2	Batch 197317, Semivolatiles Method SW8270, sample WG-1620-P12-20230705, MS/MSD RPD recovered above the RPD limit for surrogate 2,4,6-Tribromophenol.

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: HS23070250

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23070250-01	WG-1620-MW11B-20230705	Groundwater		05-Jul-2023 10:20	07-Jul-2023 08:05	☐
HS23070250-02	WG-1620-MW11A-20230705	Groundwater		05-Jul-2023 11:10	07-Jul-2023 08:05	☐
HS23070250-03	WG-1620-MW10B-20230705	Groundwater		05-Jul-2023 12:05	07-Jul-2023 08:05	☐
HS23070250-04	WG-1620-MW10A-20230705	Groundwater		05-Jul-2023 12:55	07-Jul-2023 08:05	☐
HS23070250-05	WG-1620-MW02-20230705	Groundwater		05-Jul-2023 13:55	07-Jul-2023 08:05	☐
HS23070250-06	WG-1620-MW01A-20230705	Groundwater		05-Jul-2023 15:05	07-Jul-2023 08:05	☐
HS23070250-07	WG-1620-FD01-20230705	Groundwater		05-Jul-2023 15:05	07-Jul-2023 08:05	☐
HS23070250-08	WG-1620-FB01-20230705	Water		05-Jul-2023 15:30	07-Jul-2023 08:05	☐
HS23070250-09	WG-1620-P12-20230705	Groundwater		05-Jul-2023 16:25	07-Jul-2023 08:05	☐
HS23070250-10	WG-1620-MW07-20230705	Groundwater		05-Jul-2023 17:20	07-Jul-2023 08:05	☐
HS23070250-11	WG-1620-P10-20230706	Groundwater		06-Jul-2023 08:35	07-Jul-2023 08:05	☐
HS23070250-12	WG-1620-FD02-20230706	Groundwater		06-Jul-2023 08:35	07-Jul-2023 08:05	☐
HS23070250-13	WG-1620-MW08-20230706	Groundwater		06-Jul-2023 09:35	07-Jul-2023 08:05	☐
HS23070250-14	WG-1620-FB02-20230706	Water		06-Jul-2023 10:00	07-Jul-2023 08:05	☐

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW11B-20230705
Collection Date: 05-Jul-2023 10:20

ANALYTICAL REPORT
WorkOrder:HS23070250
Lab ID:HS23070250-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 10-Jul-2023		Analyst: GEY
Acenaphthene	**0.069**		**0.00027**	**0.0010**	**mg/L**	10	22-Jul-2023 16:03
Acenaphthylene	**0.00090**		**0.000015**	**0.00010**	**mg/L**	1	21-Jul-2023 22:21
Anthracene	**0.0027**		**0.000014**	**0.00010**	**mg/L**	1	21-Jul-2023 22:21
Bis(2-ethylhexyl)phthalate	U		0.000037	0.00020	mg/L	1	21-Jul-2023 22:21
Dibenzofuran	**0.021**		**0.00020**	**0.0010**	**mg/L**	10	22-Jul-2023 16:03
Di-n-butyl phthalate	U		0.000020	0.00020	mg/L	1	21-Jul-2023 22:21
Fluoranthene	**0.0041**		**0.000010**	**0.00010**	**mg/L**	1	21-Jul-2023 22:21
Fluorene	**0.028**		**0.00030**	**0.0010**	**mg/L**	10	22-Jul-2023 16:03
Naphthalene	**0.16**		**0.0020**	**0.010**	**mg/L**	100	24-Jul-2023 13:54
Phenol	U		0.000035	0.00020	mg/L	1	21-Jul-2023 22:21
Pyrene	**0.0022**		**0.000019**	**0.00010**	**mg/L**	1	21-Jul-2023 22:21
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*24-Jul-2023 13:54*
Surr: 2,4,6-Tribromophenol	*75.9*			*34-129*	*%REC*	*1*	*21-Jul-2023 22:21*
Surr: 2,4,6-Tribromophenol	*67.5*			*34-129*	*%REC*	*10*	*22-Jul-2023 16:03*
Surr: 2-Fluorobiphenyl	*75.9*			*40-125*	*%REC*	*10*	*22-Jul-2023 16:03*
Surr: 2-Fluorobiphenyl	*66.6*			*40-125*	*%REC*	*1*	*21-Jul-2023 22:21*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*24-Jul-2023 13:54*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*24-Jul-2023 13:54*
Surr: 2-Fluorophenol	*56.8*			*20-120*	*%REC*	*1*	*21-Jul-2023 22:21*
Surr: 2-Fluorophenol	*60.3*			*20-120*	*%REC*	*10*	*22-Jul-2023 16:03*
Surr: 4-Terphenyl-d14	*98.4*			*40-135*	*%REC*	*10*	*22-Jul-2023 16:03*
Surr: 4-Terphenyl-d14	*84.3*			*40-135*	*%REC*	*1*	*21-Jul-2023 22:21*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*24-Jul-2023 13:54*
Surr: Nitrobenzene-d5	*57.3*			*41-120*	*%REC*	*1*	*21-Jul-2023 22:21*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*24-Jul-2023 13:54*
Surr: Nitrobenzene-d5	*70.3*			*41-120*	*%REC*	*10*	*22-Jul-2023 16:03*
Surr: Phenol-d6	*57.1*			*20-120*	*%REC*	*10*	*22-Jul-2023 16:03*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*24-Jul-2023 13:54*
Surr: Phenol-d6	*61.2*			*20-120*	*%REC*	*1*	*21-Jul-2023 22:21*

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-MW11A-20230705
Collection Date: 05-Jul-2023 11:10

ANALYTICAL REPORT
WorkOrder:HS23070250
Lab ID:HS23070250-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 10-Jul-2023		Analyst: GEY
2-Methylnaphthalene	U		0.000019	0.00010	mg/L	1	21-Jul-2023 22:42
Acenaphthene	**0.000038**	J	**0.000027**	**0.00010**	**mg/L**	1	21-Jul-2023 22:42
Acenaphthylene	**0.000016**	J	**0.000015**	**0.00010**	**mg/L**	1	21-Jul-2023 22:42
Anthracene	**0.000023**	J	**0.000014**	**0.00010**	**mg/L**	1	21-Jul-2023 22:42
Bis(2-ethylhexyl)phthalate	**0.000057**	J	**0.000037**	**0.00020**	**mg/L**	1	21-Jul-2023 22:42
Dibenzofuran	U		0.000020	0.00010	mg/L	1	21-Jul-2023 22:42
Fluoranthene	**0.000048**	J	**0.000010**	**0.00010**	**mg/L**	1	21-Jul-2023 22:42
Fluorene	**0.000081**	J	**0.000030**	**0.00010**	**mg/L**	1	21-Jul-2023 22:42
Naphthalene	**0.000061**	J	**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2023 22:42
Phenanthrene	**0.00022**		**0.000021**	**0.00010**	**mg/L**	1	21-Jul-2023 22:42
Pyrene	U		0.000019	0.00010	mg/L	1	21-Jul-2023 22:42
Surr: 2,4,6-Tribromophenol	*71.3*			*34-129*	*%REC*	*1*	*21-Jul-2023 22:42*
Surr: 2-Fluorobiphenyl	*73.2*			*40-125*	*%REC*	*1*	*21-Jul-2023 22:42*
Surr: 2-Fluorophenol	*53.4*			*20-120*	*%REC*	*1*	*21-Jul-2023 22:42*
Surr: 4-Terphenyl-d14	*79.5*			*40-135*	*%REC*	*1*	*21-Jul-2023 22:42*
Surr: Nitrobenzene-d5	*61.5*			*41-120*	*%REC*	*1*	*21-Jul-2023 22:42*
Surr: Phenol-d6	*64.3*			*20-120*	*%REC*	*1*	*21-Jul-2023 22:42*

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-MW10B-20230705
Collection Date: 05-Jul-2023 12:05

ANALYTICAL REPORT
WorkOrder:HS23070250
Lab ID:HS23070250-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 10-Jul-2023		Analyst: GEY
Acenaphthene	**0.015**		**0.00027**	**0.0010**	**mg/L**	10	22-Jul-2023 16:24
Acenaphthylene	**0.00014**		**0.000015**	**0.00010**	**mg/L**	1	21-Jul-2023 23:04
Anthracene	**0.00051**		**0.000014**	**0.00010**	**mg/L**	1	21-Jul-2023 23:04
Bis(2-ethylhexyl)phthalate	**0.000055**	J	**0.000037**	**0.00020**	**mg/L**	1	21-Jul-2023 23:04
Dibenzofuran	**0.0024**		**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2023 23:04
Di-n-butyl phthalate	U		0.000020	0.00020	mg/L	1	21-Jul-2023 23:04
Fluoranthene	**0.00089**		**0.000010**	**0.00010**	**mg/L**	1	21-Jul-2023 23:04
Fluorene	**0.0051**		**0.000030**	**0.00010**	**mg/L**	1	21-Jul-2023 23:04
Naphthalene	**0.00018**		**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2023 23:04
Phenol	U		0.000035	0.00020	mg/L	1	21-Jul-2023 23:04
Pyrene	**0.00046**		**0.000019**	**0.00010**	**mg/L**	1	21-Jul-2023 23:04
Surr: 2,4,6-Tribromophenol	*77.1*			*34-129*	*%REC*	*10*	*22-Jul-2023 16:24*
Surr: 2,4,6-Tribromophenol	*84.3*			*34-129*	*%REC*	*1*	*21-Jul-2023 23:04*
Surr: 2-Fluorobiphenyl	*73.8*			*40-125*	*%REC*	*1*	*21-Jul-2023 23:04*
Surr: 2-Fluorobiphenyl	*80.9*			*40-125*	*%REC*	*10*	*22-Jul-2023 16:24*
Surr: 2-Fluorophenol	*57.3*			*20-120*	*%REC*	*10*	*22-Jul-2023 16:24*
Surr: 2-Fluorophenol	*57.4*			*20-120*	*%REC*	*1*	*21-Jul-2023 23:04*
Surr: 4-Terphenyl-d14	*83.4*			*40-135*	*%REC*	*1*	*21-Jul-2023 23:04*
Surr: 4-Terphenyl-d14	*99.4*			*40-135*	*%REC*	*10*	*22-Jul-2023 16:24*
Surr: Nitrobenzene-d5	*71.7*			*41-120*	*%REC*	*10*	*22-Jul-2023 16:24*
Surr: Nitrobenzene-d5	*60.9*			*41-120*	*%REC*	*1*	*21-Jul-2023 23:04*
Surr: Phenol-d6	*61.4*			*20-120*	*%REC*	*1*	*21-Jul-2023 23:04*
Surr: Phenol-d6	*62.5*			*20-120*	*%REC*	*10*	*22-Jul-2023 16:24*

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-MW10A-20230705
Collection Date: 05-Jul-2023 12:55

ANALYTICAL REPORT
WorkOrder:HS23070250
Lab ID:HS23070250-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 10-Jul-2023		Analyst: GEY
2-Methylnaphthalene	**0.000044**	J	**0.000019**	**0.00010**	**mg/L**	1	21-Jul-2023 23:25
Acenaphthene	**0.00011**		**0.000027**	**0.00010**	**mg/L**	1	21-Jul-2023 23:25
Acenaphthylene	**0.000034**	J	**0.000015**	**0.00010**	**mg/L**	1	21-Jul-2023 23:25
Anthracene	**0.000039**	J	**0.000014**	**0.00010**	**mg/L**	1	21-Jul-2023 23:25
Bis(2-ethylhexyl)phthalate	**0.000071**	J	**0.000037**	**0.00020**	**mg/L**	1	21-Jul-2023 23:25
Dibenzofuran	U		0.000020	0.00010	mg/L	1	21-Jul-2023 23:25
Fluoranthene	**0.000062**	J	**0.000010**	**0.00010**	**mg/L**	1	21-Jul-2023 23:25
Fluorene	**0.00010**		**0.000030**	**0.00010**	**mg/L**	1	21-Jul-2023 23:25
Naphthalene	**0.00023**		**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2023 23:25
Phenanthrene	**0.00029**		**0.000021**	**0.00010**	**mg/L**	1	21-Jul-2023 23:25
Pyrene	**0.00012**		**0.000019**	**0.00010**	**mg/L**	1	21-Jul-2023 23:25
Surr: 2,4,6-Tribromophenol	*78.6*			*34-129*	*%REC*	*1*	*21-Jul-2023 23:25*
Surr: 2-Fluorobiphenyl	*73.1*			*40-125*	*%REC*	*1*	*21-Jul-2023 23:25*
Surr: 2-Fluorophenol	*55.6*			*20-120*	*%REC*	*1*	*21-Jul-2023 23:25*
Surr: 4-Terphenyl-d14	*93.4*			*40-135*	*%REC*	*1*	*21-Jul-2023 23:25*
Surr: Nitrobenzene-d5	*64.8*			*41-120*	*%REC*	*1*	*21-Jul-2023 23:25*
Surr: Phenol-d6	*64.1*			*20-120*	*%REC*	*1*	*21-Jul-2023 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-MW02-20230705
Collection Date: 05-Jul-2023 13:55

ANALYTICAL REPORT
WorkOrder:HS23070250
Lab ID:HS23070250-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 10-Jul-2023		Analyst: GEY
2-Methylnaphthalene	**0.00033**		**0.000019**	**0.00010**	**mg/L**	1	21-Jul-2023 23:46
Acenaphthene	**0.0035**		**0.000027**	**0.00010**	**mg/L**	1	21-Jul-2023 23:46
Acenaphthylene	**0.000059**	J	**0.000015**	**0.00010**	**mg/L**	1	21-Jul-2023 23:46
Anthracene	**0.00011**		**0.000014**	**0.00010**	**mg/L**	1	21-Jul-2023 23:46
Bis(2-ethylhexyl)phthalate	U		0.000037	0.00020	mg/L	1	21-Jul-2023 23:46
Dibenzofuran	**0.00039**		**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2023 23:46
Fluoranthene	**0.00042**		**0.000010**	**0.00010**	**mg/L**	1	21-Jul-2023 23:46
Fluorene	**0.0014**		**0.000030**	**0.00010**	**mg/L**	1	21-Jul-2023 23:46
Naphthalene	**0.00025**		**0.000020**	**0.00010**	**mg/L**	1	21-Jul-2023 23:46
Phenanthrene	**0.00032**		**0.000021**	**0.00010**	**mg/L**	1	21-Jul-2023 23:46
Pyrene	**0.00026**		**0.000019**	**0.00010**	**mg/L**	1	21-Jul-2023 23:46
Surr: 2,4,6-Tribromophenol	*93.3*			*34-129*	*%REC*	*1*	*21-Jul-2023 23:46*
Surr: 2-Fluorobiphenyl	*84.6*			*40-125*	*%REC*	*1*	*21-Jul-2023 23:46*
Surr: 2-Fluorophenol	*69.1*			*20-120*	*%REC*	*1*	*21-Jul-2023 23:46*
Surr: 4-Terphenyl-d14	*94.4*			*40-135*	*%REC*	*1*	*21-Jul-2023 23:46*
Surr: Nitrobenzene-d5	*71.1*			*41-120*	*%REC*	*1*	*21-Jul-2023 23:46*
Surr: Phenol-d6	*74.7*			*20-120*	*%REC*	*1*	*21-Jul-2023 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-MW01A-20230705
Collection Date: 05-Jul-2023 15:05

ANALYTICAL REPORT
WorkOrder:HS23070250
Lab ID:HS23070250-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 10-Jul-2023		Analyst: GEY
2-Methylnaphthalene	**0.000035**	J	**0.000019**	**0.00010**	**mg/L**	1	22-Jul-2023 00:08
Acenaphthene	**0.032**		**0.00027**	**0.0010**	**mg/L**	10	22-Jul-2023 16:45
Acenaphthylene	**0.00039**		**0.000015**	**0.00010**	**mg/L**	1	22-Jul-2023 00:08
Anthracene	**0.00060**		**0.000014**	**0.00010**	**mg/L**	1	22-Jul-2023 00:08
Bis(2-ethylhexyl)phthalate	U		0.000037	0.00020	mg/L	1	22-Jul-2023 00:08
Dibenzofuran	**0.0010**		**0.000020**	**0.00010**	**mg/L**	1	22-Jul-2023 00:08
Fluoranthene	**0.0014**		**0.000010**	**0.00010**	**mg/L**	1	22-Jul-2023 00:08
Fluorene	**0.0095**		**0.000030**	**0.00010**	**mg/L**	1	22-Jul-2023 00:08
Naphthalene	**0.00029**		**0.000020**	**0.00010**	**mg/L**	1	22-Jul-2023 00:08
Phenanthrene	**0.00041**		**0.000021**	**0.00010**	**mg/L**	1	22-Jul-2023 00:08
Pyrene	**0.00070**		**0.000019**	**0.00010**	**mg/L**	1	22-Jul-2023 00:08
Surr: 2,4,6-Tribromophenol	*87.7*			*34-129*	*%REC*	*1*	*22-Jul-2023 00:08*
Surr: 2,4,6-Tribromophenol	*101*			*34-129*	*%REC*	*10*	*22-Jul-2023 16:45*
Surr: 2-Fluorobiphenyl	*96.2*			*40-125*	*%REC*	*10*	*22-Jul-2023 16:45*
Surr: 2-Fluorobiphenyl	*78.1*			*40-125*	*%REC*	*1*	*22-Jul-2023 00:08*
Surr: 2-Fluorophenol	*61.5*			*20-120*	*%REC*	*1*	*22-Jul-2023 00:08*
Surr: 2-Fluorophenol	*72.7*			*20-120*	*%REC*	*10*	*22-Jul-2023 16:45*
Surr: 4-Terphenyl-d14	*111*			*40-135*	*%REC*	*10*	*22-Jul-2023 16:45*
Surr: 4-Terphenyl-d14	*85.4*			*40-135*	*%REC*	*1*	*22-Jul-2023 00:08*
Surr: Nitrobenzene-d5	*89.1*			*41-120*	*%REC*	*10*	*22-Jul-2023 16:45*
Surr: Nitrobenzene-d5	*67.3*			*41-120*	*%REC*	*1*	*22-Jul-2023 00:08*
Surr: Phenol-d6	*62.8*			*20-120*	*%REC*	*1*	*22-Jul-2023 00:08*
Surr: Phenol-d6	*74.3*			*20-120*	*%REC*	*10*	*22-Jul-2023 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-FD01-20230705
Collection Date: 05-Jul-2023 15:05

ANALYTICAL REPORT
WorkOrder:HS23070250
Lab ID:HS23070250-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 10-Jul-2023		Analyst: GEY
2-Methylnaphthalene	**0.014**		**0.00019**	**0.0010**	**mg/L**	10	22-Jul-2023 17:07
Acenaphthene	**0.076**		**0.00027**	**0.0010**	**mg/L**	10	22-Jul-2023 17:07
Acenaphthylene	**0.00073**		**0.000015**	**0.00010**	**mg/L**	1	22-Jul-2023 00:29
Anthracene	**0.0018**		**0.000014**	**0.00010**	**mg/L**	1	22-Jul-2023 00:29
Bis(2-ethylhexyl)phthalate	**0.000082**	J	**0.000037**	**0.00020**	**mg/L**	1	22-Jul-2023 00:29
Dibenzofuran	**0.0084**		**0.000020**	**0.00010**	**mg/L**	1	22-Jul-2023 00:29
Fluoranthene	**0.0032**		**0.000010**	**0.00010**	**mg/L**	1	22-Jul-2023 00:29
Fluorene	**0.028**		**0.00030**	**0.0010**	**mg/L**	10	22-Jul-2023 17:07
Naphthalene	**0.0053**		**0.000020**	**0.00010**	**mg/L**	1	22-Jul-2023 00:29
Phenanthrene	**0.0037**		**0.000021**	**0.00010**	**mg/L**	1	22-Jul-2023 00:29
Pyrene	**0.0015**		**0.000019**	**0.00010**	**mg/L**	1	22-Jul-2023 00:29
Surr: 2,4,6-Tribromophenol	*84.8*			*34-129*	*%REC*	*1*	*22-Jul-2023 00:29*
Surr: 2,4,6-Tribromophenol	*83.3*			*34-129*	*%REC*	*10*	*22-Jul-2023 17:07*
Surr: 2-Fluorobiphenyl	*88.3*			*40-125*	*%REC*	*10*	*22-Jul-2023 17:07*
Surr: 2-Fluorobiphenyl	*74.8*			*40-125*	*%REC*	*1*	*22-Jul-2023 00:29*
Surr: 2-Fluorophenol	*62.0*			*20-120*	*%REC*	*1*	*22-Jul-2023 00:29*
Surr: 2-Fluorophenol	*63.8*			*20-120*	*%REC*	*10*	*22-Jul-2023 17:07*
Surr: 4-Terphenyl-d14	*96.4*			*40-135*	*%REC*	*10*	*22-Jul-2023 17:07*
Surr: 4-Terphenyl-d14	*85.3*			*40-135*	*%REC*	*1*	*22-Jul-2023 00:29*
Surr: Nitrobenzene-d5	*69.4*			*41-120*	*%REC*	*1*	*22-Jul-2023 00:29*
Surr: Nitrobenzene-d5	*70.6*			*41-120*	*%REC*	*10*	*22-Jul-2023 17:07*
Surr: Phenol-d6	*63.3*			*20-120*	*%REC*	*10*	*22-Jul-2023 17:07*
Surr: Phenol-d6	*68.4*			*20-120*	*%REC*	*1*	*22-Jul-2023 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-FB01-20230705
Collection Date: 05-Jul-2023 15:30

ANALYTICAL REPORT
WorkOrder:HS23070250
Lab ID:HS23070250-08
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 10-Jul-2023		Analyst: GEY
2-Methylnaphthalene	U		0.000019	0.00010	mg/L	1	22-Jul-2023 00:50
Acenaphthene	U		0.000027	0.00010	mg/L	1	22-Jul-2023 00:50
Acenaphthylene	U		0.000015	0.00010	mg/L	1	22-Jul-2023 00:50
Anthracene	U		0.000014	0.00010	mg/L	1	22-Jul-2023 00:50
Bis(2-ethylhexyl)phthalate	U		0.000037	0.00020	mg/L	1	22-Jul-2023 00:50
Dibenzofuran	U		0.000020	0.00010	mg/L	1	22-Jul-2023 00:50
Fluoranthene	U		0.000010	0.00010	mg/L	1	22-Jul-2023 00:50
Fluorene	U		0.000030	0.00010	mg/L	1	22-Jul-2023 00:50
Naphthalene	U		0.000020	0.00010	mg/L	1	22-Jul-2023 00:50
Phenanthrene	U		0.000021	0.00010	mg/L	1	22-Jul-2023 00:50
Pyrene	U		0.000019	0.00010	mg/L	1	22-Jul-2023 00:50
Surr: 2,4,6-Tribromophenol	*62.3*			*34-129*	*%REC*	*1*	*22-Jul-2023 00:50*
Surr: 2-Fluorobiphenyl	*88.6*			*40-125*	*%REC*	*1*	*22-Jul-2023 00:50*
Surr: 2-Fluorophenol	*68.3*			*20-120*	*%REC*	*1*	*22-Jul-2023 00:50*
Surr: 4-Terphenyl-d14	*86.4*			*40-135*	*%REC*	*1*	*22-Jul-2023 00:50*
Surr: Nitrobenzene-d5	*74.6*			*41-120*	*%REC*	*1*	*22-Jul-2023 00:50*
Surr: Phenol-d6	*75.0*			*20-120*	*%REC*	*1*	*22-Jul-2023 00:50*

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-P12-20230705
Collection Date: 05-Jul-2023 16:25

ANALYTICAL REPORT
WorkOrder:HS23070250
Lab ID:HS23070250-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 10-Jul-2023		Analyst: GEY
Acenaphthene	U		0.000027	0.00010	mg/L	1	17-Jul-2023 21:38
Acenaphthylene	U		0.000015	0.00010	mg/L	1	17-Jul-2023 21:38
Anthracene	**0.000029**	J	**0.000014**	**0.00010**	**mg/L**	1	17-Jul-2023 21:38
Bis(2-ethylhexyl)phthalate	U		0.000037	0.00020	mg/L	1	17-Jul-2023 21:38
Dibenzofuran	U		0.000020	0.00010	mg/L	1	17-Jul-2023 21:38
Di-n-butyl phthalate	U		0.000020	0.00020	mg/L	1	17-Jul-2023 21:38
Fluoranthene	**0.000041**	J	**0.000010**	**0.00010**	**mg/L**	1	17-Jul-2023 21:38
Fluorene	**0.000058**	J	**0.000030**	**0.00010**	**mg/L**	1	17-Jul-2023 21:38
Naphthalene	**0.000047**	J	**0.000020**	**0.00010**	**mg/L**	1	17-Jul-2023 21:38
Phenol	U		0.000035	0.00020	mg/L	1	17-Jul-2023 21:38
Pyrene	**0.000074**	J	**0.000019**	**0.00010**	**mg/L**	1	17-Jul-2023 21:38
Surr: 2,4,6-Tribromophenol	*69.0*			*34-129*	*%REC*	*1*	*17-Jul-2023 21:38*
Surr: 2-Fluorobiphenyl	*73.0*			*40-125*	*%REC*	*1*	*17-Jul-2023 21:38*
Surr: 2-Fluorophenol	*56.6*			*20-120*	*%REC*	*1*	*17-Jul-2023 21:38*
Surr: 4-Terphenyl-d14	*82.8*			*40-135*	*%REC*	*1*	*17-Jul-2023 21:38*
Surr: Nitrobenzene-d5	*64.8*			*41-120*	*%REC*	*1*	*17-Jul-2023 21:38*
Surr: Phenol-d6	*60.9*			*20-120*	*%REC*	*1*	*17-Jul-2023 21:38*

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-MW07-20230705
Collection Date: 05-Jul-2023 17:20

ANALYTICAL REPORT
WorkOrder:HS23070250
Lab ID:HS23070250-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 10-Jul-2023		Analyst: GEY
2-Methylnaphthalene	U		0.000019	0.00010	mg/L	1	22-Jul-2023 01:11
Acenaphthene	**0.000071**	J	**0.000027**	**0.00010**	**mg/L**	1	22-Jul-2023 01:11
Acenaphthylene	**0.000037**	J	**0.000015**	**0.00010**	**mg/L**	1	22-Jul-2023 01:11
Anthracene	**0.000073**	J	**0.000014**	**0.00010**	**mg/L**	1	22-Jul-2023 01:11
Bis(2-ethylhexyl)phthalate	U		0.000037	0.00020	mg/L	1	22-Jul-2023 01:11
Dibenzofuran	U		0.000020	0.00010	mg/L	1	22-Jul-2023 01:11
Fluoranthene	**0.000070**	J	**0.000010**	**0.00010**	**mg/L**	1	22-Jul-2023 01:11
Fluorene	**0.000088**	J	**0.000030**	**0.00010**	**mg/L**	1	22-Jul-2023 01:11
Naphthalene	**0.000094**	J	**0.000020**	**0.00010**	**mg/L**	1	22-Jul-2023 01:11
Phenanthrene	**0.00028**		**0.000021**	**0.00010**	**mg/L**	1	22-Jul-2023 01:11
Pyrene	**0.00011**		**0.000019**	**0.00010**	**mg/L**	1	22-Jul-2023 01:11
Surr: 2,4,6-Tribromophenol	*70.8*			*34-129*	*%REC*	*1*	*22-Jul-2023 01:11*
Surr: 2-Fluorobiphenyl	*70.8*			*40-125*	*%REC*	*1*	*22-Jul-2023 01:11*
Surr: 2-Fluorophenol	*60.4*			*20-120*	*%REC*	*1*	*22-Jul-2023 01:11*
Surr: 4-Terphenyl-d14	*86.2*			*40-135*	*%REC*	*1*	*22-Jul-2023 01:11*
Surr: Nitrobenzene-d5	*62.2*			*41-120*	*%REC*	*1*	*22-Jul-2023 01:11*
Surr: Phenol-d6	*66.9*			*20-120*	*%REC*	*1*	*22-Jul-2023 01:11*

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-P10-20230706
Collection Date: 06-Jul-2023 08:35

ANALYTICAL REPORT
WorkOrder:HS23070250
Lab ID:HS23070250-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 10-Jul-2023		Analyst: GEY
Acenaphthene	U		0.000027	0.00010	mg/L	1	22-Jul-2023 15:20
Acenaphthylene	U		0.000015	0.00010	mg/L	1	22-Jul-2023 15:20
Anthracene	**0.000034**	J	**0.000014**	**0.00010**	**mg/L**	1	22-Jul-2023 15:20
Bis(2-ethylhexyl)phthalate	U		0.000037	0.00020	mg/L	1	22-Jul-2023 15:20
Dibenzofuran	U		0.000020	0.00010	mg/L	1	22-Jul-2023 15:20
Di-n-butyl phthalate	U		0.000020	0.00020	mg/L	1	22-Jul-2023 15:20
Fluoranthene	**0.000047**	J	**0.000010**	**0.00010**	**mg/L**	1	22-Jul-2023 15:20
Fluorene	**0.000059**	J	**0.000030**	**0.00010**	**mg/L**	1	22-Jul-2023 15:20
Naphthalene	**0.000070**	J	**0.000020**	**0.00010**	**mg/L**	1	22-Jul-2023 15:20
Phenol	U		0.000035	0.00020	mg/L	1	22-Jul-2023 15:20
Pyrene	**0.000085**	J	**0.000019**	**0.00010**	**mg/L**	1	22-Jul-2023 15:20
Surr: 2,4,6-Tribromophenol	*78.7*			*34-129*	*%REC*	*1*	*22-Jul-2023 15:20*
Surr: 2-Fluorobiphenyl	*74.5*			*40-125*	*%REC*	*1*	*22-Jul-2023 15:20*
Surr: 2-Fluorophenol	*53.2*			*20-120*	*%REC*	*1*	*22-Jul-2023 15:20*
Surr: 4-Terphenyl-d14	*85.2*			*40-135*	*%REC*	*1*	*22-Jul-2023 15:20*
Surr: Nitrobenzene-d5	*58.9*			*41-120*	*%REC*	*1*	*22-Jul-2023 15:20*
Surr: Phenol-d6	*58.9*			*20-120*	*%REC*	*1*	*22-Jul-2023 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-FD02-20230706
Collection Date: 06-Jul-2023 08:35

ANALYTICAL REPORT
WorkOrder:HS23070250
Lab ID:HS23070250-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 10-Jul-2023		Analyst: GEY
Acenaphthene	**0.000075**	J	**0.000027**	**0.00010**	**mg/L**	1	22-Jul-2023 15:41
Acenaphthylene	**0.000034**	J	**0.000015**	**0.00010**	**mg/L**	1	22-Jul-2023 15:41
Anthracene	**0.000049**	J	**0.000014**	**0.00010**	**mg/L**	1	22-Jul-2023 15:41
Bis(2-ethylhexyl)phthalate	**0.000082**	J	**0.000037**	**0.00020**	**mg/L**	1	22-Jul-2023 15:41
Dibenzofuran	U		0.000020	0.00010	mg/L	1	22-Jul-2023 15:41
Di-n-butyl phthalate	U		0.000020	0.00020	mg/L	1	22-Jul-2023 15:41
Fluoranthene	**0.000062**	J	**0.000010**	**0.00010**	**mg/L**	1	22-Jul-2023 15:41
Fluorene	**0.000073**	J	**0.000030**	**0.00010**	**mg/L**	1	22-Jul-2023 15:41
Naphthalene	**0.000035**	J	**0.000020**	**0.00010**	**mg/L**	1	22-Jul-2023 15:41
Phenol	U		0.000035	0.00020	mg/L	1	22-Jul-2023 15:41
Pyrene	**0.00023**		**0.000019**	**0.00010**	**mg/L**	1	22-Jul-2023 15:41
Surr: 2,4,6-Tribromophenol	*50.4*			*34-129*	*%REC*	*1*	*22-Jul-2023 15:41*
Surr: 2-Fluorobiphenyl	*54.3*			*40-125*	*%REC*	*1*	*22-Jul-2023 15:41*
Surr: 2-Fluorophenol	*38.5*			*20-120*	*%REC*	*1*	*22-Jul-2023 15:41*
Surr: 4-Terphenyl-d14	*86.1*			*40-135*	*%REC*	*1*	*22-Jul-2023 15:41*
Surr: Nitrobenzene-d5	*45.4*			*41-120*	*%REC*	*1*	*22-Jul-2023 15:41*
Surr: Phenol-d6	*45.3*			*20-120*	*%REC*	*1*	*22-Jul-2023 15:41*

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-MW08-20230706
Collection Date: 06-Jul-2023 09:35

ANALYTICAL REPORT
WorkOrder:HS23070250
Lab ID:HS23070250-13
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 10-Jul-2023		Analyst: GEY
2-Methylnaphthalene	U		0.000019	0.00010	mg/L	1	22-Jul-2023 02:15
Acenaphthene	U		0.000027	0.00010	mg/L	1	22-Jul-2023 02:15
Acenaphthylene	U		0.000015	0.00010	mg/L	1	22-Jul-2023 02:15
Anthracene	U		0.000014	0.00010	mg/L	1	22-Jul-2023 02:15
Bis(2-ethylhexyl)phthalate	U		0.000037	0.00020	mg/L	1	22-Jul-2023 02:15
Dibenzofuran	U		0.000020	0.00010	mg/L	1	22-Jul-2023 02:15
Fluoranthene	U		0.000010	0.00010	mg/L	1	22-Jul-2023 02:15
Fluorene	U		0.000030	0.00010	mg/L	1	22-Jul-2023 02:15
Naphthalene	U		0.000020	0.00010	mg/L	1	22-Jul-2023 02:15
Phenanthrene	U		0.000021	0.00010	mg/L	1	22-Jul-2023 02:15
Pyrene	U		0.000019	0.00010	mg/L	1	22-Jul-2023 02:15
Surr: 2,4,6-Tribromophenol	*70.2*			*34-129*	*%REC*	*1*	*22-Jul-2023 02:15*
Surr: 2-Fluorobiphenyl	*71.5*			*40-125*	*%REC*	*1*	*22-Jul-2023 02:15*
Surr: 2-Fluorophenol	*60.3*			*20-120*	*%REC*	*1*	*22-Jul-2023 02:15*
Surr: 4-Terphenyl-d14	*102*			*40-135*	*%REC*	*1*	*22-Jul-2023 02:15*
Surr: Nitrobenzene-d5	*66.7*			*41-120*	*%REC*	*1*	*22-Jul-2023 02:15*
Surr: Phenol-d6	*66.5*			*20-120*	*%REC*	*1*	*22-Jul-2023 02:15*

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-FB02-20230706
Collection Date: 06-Jul-2023 10:00

ANALYTICAL REPORT
WorkOrder:HS23070250
Lab ID:HS23070250-14
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 10-Jul-2023		Analyst: GEY
Acenaphthene		U	0.000027	0.00010	mg/L	1	22-Jul-2023 02:37
Acenaphthylene		U	0.000015	0.00010	mg/L	1	22-Jul-2023 02:37
Anthracene		U	0.000014	0.00010	mg/L	1	22-Jul-2023 02:37
Bis(2-ethylhexyl)phthalate		U	0.000037	0.00020	mg/L	1	22-Jul-2023 02:37
Dibenzofuran		U	0.000020	0.00010	mg/L	1	22-Jul-2023 02:37
Di-n-butyl phthalate		U	0.000020	0.00020	mg/L	1	22-Jul-2023 02:37
Fluoranthene		U	0.000010	0.00010	mg/L	1	22-Jul-2023 02:37
Fluorene		U	0.000030	0.00010	mg/L	1	22-Jul-2023 02:37
Naphthalene		U	0.000020	0.00010	mg/L	1	22-Jul-2023 02:37
Phenol		U	0.000035	0.00020	mg/L	1	22-Jul-2023 02:37
Pyrene		U	0.000019	0.00010	mg/L	1	22-Jul-2023 02:37
Surr: 2,4,6-Tribromophenol	*63.2*			*34-129*	*%REC*	*1*	*22-Jul-2023 02:37*
Surr: 2-Fluorobiphenyl	*82.5*			*40-125*	*%REC*	*1*	*22-Jul-2023 02:37*
Surr: 2-Fluorophenol	*65.8*			*20-120*	*%REC*	*1*	*22-Jul-2023 02:37*
Surr: 4-Terphenyl-d14	*85.3*			*40-135*	*%REC*	*1*	*22-Jul-2023 02:37*
Surr: Nitrobenzene-d5	*66.0*			*41-120*	*%REC*	*1*	*22-Jul-2023 02:37*
Surr: Phenol-d6	*68.4*			*20-120*	*%REC*	*1*	*22-Jul-2023 02:37*

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: HS23070250

Batch ID: 197317 **Start Date:** 10 Jul 2023 08:32 **End Date:** 10 Jul 2023 08:32
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23070250-01		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070250-02		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070250-03		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070250-04		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070250-05		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070250-06		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070250-07		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070250-08		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070250-09		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070250-10		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070250-11		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070250-12		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070250-13		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070250-14		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070250

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 197317 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS23070250-08	WG-1620-FB01-20230705	05 Jul 2023 15:30		10 Jul 2023 08:32	22 Jul 2023 00:50	1
HS23070250-14	WG-1620-FB02-20230706	06 Jul 2023 10:00		10 Jul 2023 08:32	22 Jul 2023 02:37	1
Batch ID: 197317 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS23070250-01	WG-1620-MW11B-20230705	05 Jul 2023 10:20		10 Jul 2023 08:32	24 Jul 2023 13:54	100
HS23070250-01	WG-1620-MW11B-20230705	05 Jul 2023 10:20		10 Jul 2023 08:32	22 Jul 2023 16:03	10
HS23070250-01	WG-1620-MW11B-20230705	05 Jul 2023 10:20		10 Jul 2023 08:32	21 Jul 2023 22:21	1
HS23070250-02	WG-1620-MW11A-20230705	05 Jul 2023 11:10		10 Jul 2023 08:32	21 Jul 2023 22:42	1
HS23070250-03	WG-1620-MW10B-20230705	05 Jul 2023 12:05		10 Jul 2023 08:32	22 Jul 2023 16:24	10
HS23070250-03	WG-1620-MW10B-20230705	05 Jul 2023 12:05		10 Jul 2023 08:32	21 Jul 2023 23:04	1
HS23070250-04	WG-1620-MW10A-20230705	05 Jul 2023 12:55		10 Jul 2023 08:32	21 Jul 2023 23:25	1
HS23070250-05	WG-1620-MW02-20230705	05 Jul 2023 13:55		10 Jul 2023 08:32	21 Jul 2023 23:46	1
HS23070250-06	WG-1620-MW01A-20230705	05 Jul 2023 15:05		10 Jul 2023 08:32	22 Jul 2023 16:45	10
HS23070250-06	WG-1620-MW01A-20230705	05 Jul 2023 15:05		10 Jul 2023 08:32	22 Jul 2023 00:08	1
HS23070250-07	WG-1620-FD01-20230705	05 Jul 2023 15:05		10 Jul 2023 08:32	22 Jul 2023 17:07	10
HS23070250-07	WG-1620-FD01-20230705	05 Jul 2023 15:05		10 Jul 2023 08:32	22 Jul 2023 00:29	1
HS23070250-09	WG-1620-P12-20230705	05 Jul 2023 16:25		10 Jul 2023 08:32	17 Jul 2023 21:38	1
HS23070250-10	WG-1620-MW07-20230705	05 Jul 2023 17:20		10 Jul 2023 08:32	22 Jul 2023 01:11	1
HS23070250-11	WG-1620-P10-20230706	06 Jul 2023 08:35		10 Jul 2023 08:32	22 Jul 2023 15:20	1
HS23070250-12	WG-1620-FD02-20230706	06 Jul 2023 08:35		10 Jul 2023 08:32	22 Jul 2023 15:41	1
HS23070250-13	WG-1620-MW08-20230706	06 Jul 2023 09:35		10 Jul 2023 08:32	22 Jul 2023 02:15	1

WorkOrder: HS23070250
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	2-Methylnaphthalene	91-57-6	0.000050	0.000039	0.000019	0.00010
A	Acenaphthene	83-32-9	0.000050	0.000043	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000050	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000045	0.000014	0.00010
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000058	0.000037	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.000039	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000061	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000047	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000047	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000048	0.000020	0.00010
A	Phenanthrene	85-01-8	0.000050	0.000048	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000084	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

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070250

QC BATCH REPORT

Batch ID: 197317 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-197317** Units: **ug/L** Analysis Date: **17-Jul-2023 20:33**
Client ID: Run ID: **SV-7_441606** SeqNo: **7434411** PrepDate: **10-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	U	0.10								
Acenaphthene	U	0.10								
Acenaphthylene	U	0.10								
Anthracene	U	0.10								
Bis(2-ethylhexyl)phthalate	U	0.20								
Dibenzofuran	U	0.10								
Di-n-butyl phthalate	U	0.20								
Fluoranthene	U	0.10								
Fluorene	U	0.10								
Naphthalene	U	0.10								
Phenanthrene	U	0.10								
Phenol	U	0.20								
Pyrene	U	0.10								
Surr: 2,4,6-Tribromophenol	*2.974*	*0.20*	*5*	*0*	*59.5*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.399*	*0.20*	*5*	*0*	*68.0*	*40 - 125*				
Surr: 2-Fluorophenol	*2.615*	*0.20*	*5*	*0*	*52.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.642*	*0.20*	*5*	*0*	*72.8*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.904*	*0.20*	*5*	*0*	*58.1*	*41 - 120*				
Surr: Phenol-d6	*2.925*	*0.20*	*5*	*0*	*58.5*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070250

QC BATCH REPORT

Batch ID: 197317 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-197317** Units: **ug/L** Analysis Date: **17-Jul-2023 20:55**
Client ID: Run ID: **SV-7_441606** SeqNo: **7434412** PrepDate: **10-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	3.501	0.10	5	0	70.0	50 - 120				
Acenaphthene	3.547	0.10	5	0	70.9	45 - 120				
Acenaphthylene	3.635	0.10	5	0	72.7	47 - 120				
Anthracene	3.694	0.10	5	0	73.9	45 - 120				
Bis(2-ethylhexyl)phthalate	5.121	0.20	5	0	102	40 - 139				
Dibenzofuran	3.573	0.10	5	0	71.5	50 - 120				
Di-n-butyl phthalate	4.118	0.20	5	0	82.4	45 - 123				
Fluoranthene	3.728	0.10	5	0	74.6	45 - 125				
Fluorene	3.568	0.10	5	0	71.4	49 - 120				
Naphthalene	3.414	0.10	5	0	68.3	45 - 120				
Phenanthrene	3.492	0.10	5	0	69.8	45 - 121				
Phenol	4.068	0.20	5	0	81.4	20 - 124				
Pyrene	3.668	0.10	5	0	73.4	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.565*	*0.20*	*5*	*0*	*71.3*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.784*	*0.20*	*5*	*0*	*75.7*	*40 - 125*				
Surr: 2-Fluorophenol	*3.237*	*0.20*	*5*	*0*	*64.7*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.853*	*0.20*	*5*	*0*	*77.1*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.303*	*0.20*	*5*	*0*	*66.1*	*41 - 120*				
Surr: Phenol-d6	*3.349*	*0.20*	*5*	*0*	*67.0*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070250

QC BATCH REPORT

Batch ID: 197317 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS23070250-09MS** Units: **ug/L** Analysis Date: **17-Jul-2023 22:00**
Client ID: **WG-1620-P12-20230705** Run ID: **SV-7_441606** SeqNo: **7434415** PrepDate: **10-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	3.195	0.10	5	0.02065	63.5	50 - 120				
Acenaphthene	3.235	0.10	5	0.02467	64.2	45 - 120				
Acenaphthylene	3.332	0.10	5	0	66.6	47 - 120				
Anthracene	3.394	0.10	5	0.02894	67.3	45 - 120				
Bis(2-ethylhexyl)phthalate	4.404	0.20	5	0	88.1	40 - 139				
Dibenzofuran	3.3	0.10	5	0	66.0	50 - 120				
Di-n-butyl phthalate	3.745	0.20	5	0	74.9	45 - 123				
Fluoranthene	3.459	0.10	5	0.04088	68.4	45 - 125				
Fluorene	3.385	0.10	5	0.05766	66.5	49 - 120				
Naphthalene	3.208	0.10	5	0.04702	63.2	45 - 120				
Phenanthrene	3.387	0.10	5	0.1422	64.9	45 - 121				
Phenol	3.431	0.20	5	0	68.6	20 - 124				
Pyrene	3.361	0.10	5	0.07398	65.7	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.625*	*0.20*	*5*	*0*	*72.5*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.58*	*0.20*	*5*	*0*	*71.6*	*40 - 125*				
Surr: 2-Fluorophenol	*3.017*	*0.20*	*5*	*0*	*60.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.444*	*0.20*	*5*	*0*	*68.9*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.068*	*0.20*	*5*	*0*	*61.4*	*41 - 120*				
Surr: Phenol-d6	*3.205*	*0.20*	*5*	*0*	*64.1*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070250

QC BATCH REPORT

Batch ID: 197317 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS23070250-09MSD** Units: **ug/L** Analysis Date: **17-Jul-2023 22:22**
Client ID: **WG-1620-P12-20230705** Run ID: **SV-7_441606** SeqNo: **7434416** PrepDate: **10-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
2-Methylnaphthalene	3.025	0.10	5	0.02065	60.1	50 - 120	3.195	5.48	20	
Acenaphthene	3.073	0.10	5	0.02467	61.0	45 - 120	3.235	5.13	20	
Acenaphthylene	3.154	0.10	5	0	63.1	47 - 120	3.332	5.47	20	
Anthracene	3.118	0.10	5	0.02894	61.8	45 - 120	3.394	8.48	20	
Bis(2-ethylhexyl)phthalate	4.547	0.20	5	0	90.9	40 - 139	4.404	3.21	20	
Dibenzofuran	3.003	0.10	5	0	60.1	50 - 120	3.3	9.42	20	
Di-n-butyl phthalate	3.667	0.20	5	0	73.3	45 - 123	3.745	2.11	20	
Fluoranthene	3.295	0.10	5	0.04088	65.1	45 - 125	3.459	4.84	20	
Fluorene	3.052	0.10	5	0.05766	59.9	49 - 120	3.385	10.3	20	
Naphthalene	2.98	0.10	5	0.04702	58.7	45 - 120	3.208	7.36	20	
Phenanthrene	3.251	0.10	5	0.1422	62.2	45 - 121	3.387	4.08	20	
Phenol	3.152	0.20	5	0	63.0	20 - 124	3.431	8.47	20	
Pyrene	3.36	0.10	5	0.07398	65.7	40 - 130	3.361	0.0219	20	
Surr: 2,4,6-Tribromophenol	*2.964*	*0.20*	*5*	*0*	*59.3*	*34 - 129*	*3.625*	*20*	*20*	R
Surr: 2-Fluorobiphenyl	*3.323*	*0.20*	*5*	*0*	*66.5*	*40 - 125*	*3.58*	*7.44*	*20*	
Surr: 2-Fluorophenol	*2.553*	*0.20*	*5*	*0*	*51.1*	*20 - 120*	*3.017*	*16.7*	*20*	
Surr: 4-Terphenyl-d14	*3.561*	*0.20*	*5*	*0*	*71.2*	*40 - 135*	*3.444*	*3.36*	*20*	
Surr: Nitrobenzene-d5	*2.901*	*0.20*	*5*	*0*	*58.0*	*41 - 120*	*3.068*	*5.6*	*20*	
Surr: Phenol-d6	*3.035*	*0.20*	*5*	*0*	*60.7*	*20 - 120*	*3.205*	*5.44*	*20*	

The following samples were analyzed in this batch:

HS23070250-01	HS23070250-02	HS23070250-03	HS23070250-04
HS23070250-05	HS23070250-06	HS23070250-07	HS23070250-08
HS23070250-09	HS23070250-10	HS23070250-11	HS23070250-12
HS23070250-13	HS23070250-14		

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS23070250**

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	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352; 2022-2023	31-Jul-2023
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932022-13	31-Jul-2023

Sample Receipt Checklist

Work Order ID: HS23070250 **Date/Time Received:** **07-Jul-2023 08:05**

Client Name: PBW **Received by:** **Paresh M. Giga**

Completed By:	/S/ Nilesh D. Ranchod	07-Jul-2023 11:57	**Reviewed by:**	/S/ Nieka.Carson	11-Jul-2023 10:16
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Water** Carrier name: **ALS Courier**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:295484/295483
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):	4.3C/4.2C,3.0C/2.9C, 3.9C/3.8C UC/C	IR 31	
Cooler(s)/Kit(s):	50643/51426/50475		
Date/Time sample(s) sent to storage:	07/07/2023 12:10		
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: 295484

HS23070250

WSP Golder

Houston TX-Wood Preserving Works 1620-02

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	TBD	Project Name	Houston TX-Wood Preserving Works	A	8270_LOW_W / Site Specific Compounds
Work Order		Project Number	1620-20 SR 92688	B	MS/MSD
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ATZ SPECIFIC COC LIST
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	BTZ SPECIFIC COC LIST
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@WSP.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-MW11B-20230705	7-5-23	1020	GW	—	2	[redacted]		[redacted]	X							
2	WG-1620-MW11A-20230705		1110	GW		2			X								
3	WG-1620-MW10B-20230705		1205	GW		2				X							
4	WG-1620-MW10A-20230705		1255	GW		2			X								
5	WG-1620-MW02-20230705		1355	GW		2			X								
6	WG-1620-MW01A-20230705		1505	GW		2			X								
7	WG-1620-FD01-20230705		1505	GW		2			X								
8	WG-1620-FB01-20230705		1530	GW		2			X								
9	WG-1620-P12-20230705		1625	GW		[redacted]4		X		X							
10	WG-1620-MW07-20230705		1720	GW		2			X								

Sampler(s) Please Print & Sign: JOHN BEAUDOIN

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) ☐ Other ____ ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hou

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
	7-7-23	08:05	
Relinquished by:	Date:	Time:	Received by (Laboratory):
			7-7-23 08:05
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: UPRR HWPW 1620-20

Cooler ID	Cooler Temp.
50643	4.3°
50475	3.0°
51436	3.9°

QC Package: (Check One Box Below)

- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other ____
- ☒ TRRP Checklist
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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.

#31

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Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 2 of 2

COC ID: 295483

HS23070250 VV

WSP Golder

Houston TX-Wood Preserving Works 1620-02

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	TBD	Project Name	Houston TX-Wood Preserving Works	A	8270_LOW_VV / Site Specific Compounds
Work Order		Project Number	1620-20 SR 92688	B	MS/MSD
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ATZ SPECIFIC COC LIST
Send Report To	Eric Matzner	Invoice Attn	Accounts Payable	D	BTZ SPECIFIC COC LIST
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@WSP.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-PID-20230706	7-6-23	0835	GW	—	2				X							
2	WG-1620-FD02-20230706		0835	GW	—	2				X							
3	WG-1620-MW08-20230706		0935	GW	—	2			X								
4	WG-1620-FB02-20230706		1000	GW	—	2				X							
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOHN BRAYDEN

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:	Time:	Received by:
	7-7-23	08:35	
Relinquished by:	Date:	Time:	Received by (Labratory):
			7/7/23 08:35
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: UPRR HWPW 1620-20

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other ____
- ☒ TRRP Checklist
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

July 26, 2023

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS23070563**

Laboratory Results for: **Houston TX-Wood Preserving Works**

Dear Eric Matzner,

ALS Environmental received 15 sample(s) on Jul 12, 2023 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
James Guin

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works	
WorkOrder:	**HS23070563**	

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.

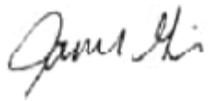
R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Golder
Project:	Houston TX-Wood Preserving Works
WorkOrder:	**HS23070563**

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.



James Guin

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 07/26/2023					
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS23070563					
Reviewer Name: James Guin			Prep Batch Number(s): 197519,198055,R441164,R441284					
#[1]	A[2]	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				2
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				3
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 07/26/2023				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS23070563				
Reviewer Name: James Guin			Prep Batch Number(s): 197519,198055,R441164,R441284				
#[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: 07/26/2023
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS23070563
Reviewer Name: James Guin	Prep Batch Number(s): 197519,198055,R441164,R441284

ER#[5]	Description
1	Semivolatiles Method SW8270, sample WG-1620-MW77A-20230710, the surrogate recoveries could not be determined due to dilution below the calibration range.
2	Login Notes: Sx Id Differ Chain = WG-1620-MW51C-20230707 Labels = MW-51C-20230607, Chain = WG1620-MW51A-20230707 Labels = WG-1620-MW51A-20230607 Logged per chain.
3	Batch 197519, Semivolatiles Method SW8270, sample WG-1620-MW77A-20230710: The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.
4	Batch 197519, Semivolatiles Method SW8270, sample WG-1620-MW50A-20230707: Low area counts for 1, 4-Dichlorobenzene, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12. Sample was re-ran with similar results and confirmed by MSD.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Work Order: HS23070563

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23070563-01	WG-1620-MW51C-20230707	Groundwater		07-Jul-2023 09:45	12-Jul-2023 10:40	☐
HS23070563-02	WG-1620-MW51A-20230707	Groundwater		07-Jul-2023 10:35	12-Jul-2023 10:40	☐
HS23070563-03	WG-1620-MW81B-20230707	Groundwater		07-Jul-2023 11:40	12-Jul-2023 10:40	☐
HS23070563-04	WG-1620-MW80B-20230707	Groundwater		07-Jul-2023 12:25	12-Jul-2023 10:40	☐
HS23070563-05	WG-1620-MW50A-20230707	Groundwater		07-Jul-2023 13:10	12-Jul-2023 10:40	☐
HS23070563-06	WG-1620-MW50B-20230709	Groundwater		09-Jul-2023 11:45	12-Jul-2023 10:40	☐
HS23070563-07	WG-1620-FB01-20230707	Water		07-Jul-2023 13:30	12-Jul-2023 10:40	☐
HS23070563-08	WG-1620-MW98A-20230709	Groundwater		09-Jul-2023 12:40	12-Jul-2023 10:40	☐
HS23070563-09	WG-1620-MW98B-20230709	Groundwater		09-Jul-2023 13:30	12-Jul-2023 10:40	☐
HS23070563-10	WG-1620-MW97A-20230709	Groundwater		09-Jul-2023 14:25	12-Jul-2023 10:40	☐
HS23070563-11	WG-1620-MW76B-20230709	Groundwater		09-Jul-2023 15:15	12-Jul-2023 10:40	☐
HS23070563-12	WG-1620-MW76C-20230709	Groundwater		09-Jul-2023 16:15	12-Jul-2023 10:40	☐
HS23070563-13	WG-1620-FB02-20230709	Water		09-Jul-2023 16:45	12-Jul-2023 10:40	☐
HS23070563-14	WG-1620-MW77A-20230710	Groundwater		10-Jul-2023 07:40	12-Jul-2023 10:40	☐
HS23070563-15	WG-1620-TB01-20230710	Water		10-Jul-2023 00:00	12-Jul-2023 10:40	☐

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
Sample ID: WG-1620-MW51C-20230707
Collection Date: 07-Jul-2023 09:45

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: PC
1,2-Dichloroethane		U	0.00020	0.0010	mg/L	1	13-Jul-2023 14:33
Benzene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 14:33
Chlorobenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 14:33
Ethylbenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 14:33
Methylene chloride		U	0.0010	0.0020	mg/L	1	13-Jul-2023 14:33
Toluene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 14:33
Xylenes, Total		U	0.00030	0.0030	mg/L	1	13-Jul-2023 14:33
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*13-Jul-2023 14:33*
Surr: 4-Bromofluorobenzene	*100.0*			*77-113*	*%REC*	*1*	*13-Jul-2023 14:33*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*13-Jul-2023 14:33*
Surr: Toluene-d8	*97.4*			*82-127*	*%REC*	*1*	*13-Jul-2023 14:33*

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-MW51C-20230707
Collection Date: 07-Jul-2023 09:45

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 13-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	U		0.000021	0.00020	mg/L	1	24-Jul-2023 22:05
2,4-Dimethylphenol	U		0.000040	0.00020	mg/L	1	24-Jul-2023 22:05
2,4-Dinitrotoluene	U		0.000058	0.00020	mg/L	1	24-Jul-2023 22:05
2,6-Dinitrotoluene	U		0.000042	0.00020	mg/L	1	24-Jul-2023 22:05
2-Chloronaphthalene	U		0.000021	0.00020	mg/L	1	24-Jul-2023 22:05
2-Methylnaphthalene	U		0.000019	0.00010	mg/L	1	24-Jul-2023 22:05
4,6-Dinitro-2-methylphenol	U		0.000020	0.0010	mg/L	1	24-Jul-2023 22:05
4-Nitrophenol	U		0.000047	0.0010	mg/L	1	24-Jul-2023 22:05
Acenaphthene	U		0.000027	0.00010	mg/L	1	24-Jul-2023 22:05
Acenaphthylene	U		0.000015	0.00010	mg/L	1	24-Jul-2023 22:05
Anthracene	U		0.000014	0.00010	mg/L	1	24-Jul-2023 22:05
Benz(a)anthracene	U		0.000050	0.00010	mg/L	1	24-Jul-2023 22:05
Benzo(a)pyrene	U		0.000020	0.00010	mg/L	1	24-Jul-2023 22:05
Bis(2-chloroethoxy)methane	U		0.000030	0.00020	mg/L	1	24-Jul-2023 22:05
Bis(2-ethylhexyl)phthalate	**0.000074**	J	**0.000037**	**0.00020**	**mg/L**	1	24-Jul-2023 22:05
Chrysene	U		0.000021	0.00010	mg/L	1	24-Jul-2023 22:05
Dibenzofuran	U		0.000020	0.00010	mg/L	1	24-Jul-2023 22:05
Di-n-butyl phthalate	**0.00042**		**0.000020**	**0.00020**	**mg/L**	1	24-Jul-2023 22:05
Fluoranthene	U		0.000010	0.00010	mg/L	1	24-Jul-2023 22:05
Fluorene	U		0.000030	0.00010	mg/L	1	24-Jul-2023 22:05
Naphthalene	U		0.000020	0.00010	mg/L	1	24-Jul-2023 22:05
Nitrobenzene	U		0.000024	0.00020	mg/L	1	24-Jul-2023 22:05
N-Nitrosodiphenylamine	U		0.000025	0.00020	mg/L	1	24-Jul-2023 22:05
Pentachlorophenol	U		0.000079	0.00020	mg/L	1	24-Jul-2023 22:05
Phenanthrene	U		0.000021	0.00010	mg/L	1	24-Jul-2023 22:05
Phenol	U		0.000035	0.00020	mg/L	1	24-Jul-2023 22:05
Pyrene	U		0.000019	0.00010	mg/L	1	24-Jul-2023 22:05
Surr: 2,4,6-Tribromophenol	*74.0*			*34-129*	*%REC*	*1*	*24-Jul-2023 22:05*
Surr: 2-Fluorobiphenyl	*74.7*			*40-125*	*%REC*	*1*	*24-Jul-2023 22:05*
Surr: 2-Fluorophenol	*51.1*			*20-120*	*%REC*	*1*	*24-Jul-2023 22:05*
Surr: 4-Terphenyl-d14	*77.3*			*40-135*	*%REC*	*1*	*24-Jul-2023 22:05*
Surr: Nitrobenzene-d5	*57.6*			*41-120*	*%REC*	*1*	*24-Jul-2023 22:05*
Surr: Phenol-d6	*52.5*			*20-120*	*%REC*	*1*	*24-Jul-2023 22:05*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000828**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 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-MW51A-20230707
Collection Date: 07-Jul-2023 10:35

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: PC
1,2-Dichloroethane		U	0.00020	0.0010	mg/L	1	13-Jul-2023 17:32
Benzene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 17:32
Chlorobenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 17:32
Ethylbenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 17:32
Methylene chloride		U	0.0010	0.0020	mg/L	1	13-Jul-2023 17:32
Toluene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 17:32
Xylenes, Total		U	0.00030	0.0030	mg/L	1	13-Jul-2023 17:32
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*13-Jul-2023 17:32*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*13-Jul-2023 17:32*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*13-Jul-2023 17:32*
Surr: Toluene-d8	*97.4*			*82-127*	*%REC*	*1*	*13-Jul-2023 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-MW51A-20230707
Collection Date: 07-Jul-2023 10:35

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 13-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	U		0.000021	0.00020	mg/L	1	24-Jul-2023 22:26
2,4-Dimethylphenol	U		0.000040	0.00020	mg/L	1	24-Jul-2023 22:26
2,4-Dinitrotoluene	U		0.000058	0.00020	mg/L	1	24-Jul-2023 22:26
2,6-Dinitrotoluene	U		0.000042	0.00020	mg/L	1	24-Jul-2023 22:26
2-Chloronaphthalene	U		0.000021	0.00020	mg/L	1	24-Jul-2023 22:26
2-Methylnaphthalene	U		0.000019	0.00010	mg/L	1	24-Jul-2023 22:26
4,6-Dinitro-2-methylphenol	U		0.000020	0.0010	mg/L	1	24-Jul-2023 22:26
4-Nitrophenol	U		0.000047	0.0010	mg/L	1	24-Jul-2023 22:26
Acenaphthene	U		0.000027	0.00010	mg/L	1	24-Jul-2023 22:26
Acenaphthylene	U		0.000015	0.00010	mg/L	1	24-Jul-2023 22:26
Anthracene	U		0.000014	0.00010	mg/L	1	24-Jul-2023 22:26
Benz(a)anthracene	U		0.000050	0.00010	mg/L	1	24-Jul-2023 22:26
Benzo(a)pyrene	U		0.000020	0.00010	mg/L	1	24-Jul-2023 22:26
Bis(2-chloroethoxy)methane	U		0.000030	0.00020	mg/L	1	24-Jul-2023 22:26
Bis(2-ethylhexyl)phthalate	**0.000083**	J	**0.000037**	**0.00020**	**mg/L**	1	24-Jul-2023 22:26
Chrysene	U		0.000021	0.00010	mg/L	1	24-Jul-2023 22:26
Dibenzofuran	U		0.000020	0.00010	mg/L	1	24-Jul-2023 22:26
Di-n-butyl phthalate	**0.00054**		**0.000020**	**0.00020**	**mg/L**	1	24-Jul-2023 22:26
Fluoranthene	U		0.000010	0.00010	mg/L	1	24-Jul-2023 22:26
Fluorene	U		0.000030	0.00010	mg/L	1	24-Jul-2023 22:26
Naphthalene	U		0.000020	0.00010	mg/L	1	24-Jul-2023 22:26
Nitrobenzene	U		0.000024	0.00020	mg/L	1	24-Jul-2023 22:26
N-Nitrosodiphenylamine	U		0.000025	0.00020	mg/L	1	24-Jul-2023 22:26
Pentachlorophenol	U		0.000079	0.00020	mg/L	1	24-Jul-2023 22:26
Phenanthrene	U		0.000021	0.00010	mg/L	1	24-Jul-2023 22:26
Phenol	U		0.000035	0.00020	mg/L	1	24-Jul-2023 22:26
Pyrene	U		0.000019	0.00010	mg/L	1	24-Jul-2023 22:26
Surr: 2,4,6-Tribromophenol	*52.6*			*34-129*	*%REC*	*1*	*24-Jul-2023 22:26*
Surr: 2-Fluorobiphenyl	*56.5*			*40-125*	*%REC*	*1*	*24-Jul-2023 22:26*
Surr: 2-Fluorophenol	*43.3*			*20-120*	*%REC*	*1*	*24-Jul-2023 22:26*
Surr: 4-Terphenyl-d14	*73.5*			*40-135*	*%REC*	*1*	*24-Jul-2023 22:26*
Surr: Nitrobenzene-d5	*50.1*			*41-120*	*%REC*	*1*	*24-Jul-2023 22:26*
Surr: Phenol-d6	*44.8*			*20-120*	*%REC*	*1*	*24-Jul-2023 22:26*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00129**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 13:52

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-MW81B-20230707
Collection Date: 07-Jul-2023 11:40

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: PC
1,2-Dichloroethane		U	0.00020	0.0010	mg/L	1	13-Jul-2023 17:54
Benzene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 17:54
Chlorobenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 17:54
Ethylbenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 17:54
Methylene chloride		U	0.0010	0.0020	mg/L	1	13-Jul-2023 17:54
Toluene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 17:54
Xylenes, Total		U	0.00030	0.0030	mg/L	1	13-Jul-2023 17:54
Surr: 1,2-Dichloroethane-d4	*110*			*70-126*	*%REC*	*1*	*13-Jul-2023 17:54*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*13-Jul-2023 17:54*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*13-Jul-2023 17:54*
Surr: Toluene-d8	*98.7*			*82-127*	*%REC*	*1*	*13-Jul-2023 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-MW81B-20230707
Collection Date: 07-Jul-2023 11:40

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 13-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	U		0.000021	0.00020	mg/L	1	25-Jul-2023 18:39
2,4-Dimethylphenol	U		0.000040	0.00020	mg/L	1	25-Jul-2023 18:39
2,4-Dinitrotoluene	U		0.000058	0.00020	mg/L	1	25-Jul-2023 18:39
2,6-Dinitrotoluene	U		0.000042	0.00020	mg/L	1	25-Jul-2023 18:39
2-Chloronaphthalene	U		0.000021	0.00020	mg/L	1	25-Jul-2023 18:39
2-Methylnaphthalene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 18:39
4,6-Dinitro-2-methylphenol	U		0.000020	0.0010	mg/L	1	25-Jul-2023 18:39
4-Nitrophenol	U		0.000047	0.0010	mg/L	1	25-Jul-2023 18:39
Acenaphthene	U		0.000027	0.00010	mg/L	1	25-Jul-2023 18:39
Acenaphthylene	U		0.000015	0.00010	mg/L	1	25-Jul-2023 18:39
Anthracene	U		0.000014	0.00010	mg/L	1	25-Jul-2023 18:39
Benz(a)anthracene	U		0.000050	0.00010	mg/L	1	25-Jul-2023 18:39
Benzo(a)pyrene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 18:39
Bis(2-chloroethoxy)methane	U		0.000030	0.00020	mg/L	1	25-Jul-2023 18:39
Bis(2-ethylhexyl)phthalate	**0.000052**	J	**0.000037**	**0.00020**	**mg/L**	1	25-Jul-2023 18:39
Chrysene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 18:39
Dibenzofuran	U		0.000020	0.00010	mg/L	1	25-Jul-2023 18:39
Di-n-butyl phthalate	**0.00039**		**0.000020**	**0.00020**	**mg/L**	1	25-Jul-2023 18:39
Fluoranthene	U		0.000010	0.00010	mg/L	1	25-Jul-2023 18:39
Fluorene	U		0.000030	0.00010	mg/L	1	25-Jul-2023 18:39
Naphthalene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 18:39
Nitrobenzene	U		0.000024	0.00020	mg/L	1	25-Jul-2023 18:39
N-Nitrosodiphenylamine	U		0.000025	0.00020	mg/L	1	25-Jul-2023 18:39
Pentachlorophenol	U		0.000079	0.00020	mg/L	1	25-Jul-2023 18:39
Phenanthrene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 18:39
Phenol	U		0.000035	0.00020	mg/L	1	25-Jul-2023 18:39
Pyrene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 18:39
Surr: 2,4,6-Tribromophenol	*88.0*			*34-129*	*%REC*	*1*	*25-Jul-2023 18:39*
Surr: 2-Fluorobiphenyl	*69.4*			*40-125*	*%REC*	*1*	*25-Jul-2023 18:39*
Surr: 2-Fluorophenol	*55.8*			*20-120*	*%REC*	*1*	*25-Jul-2023 18:39*
Surr: 4-Terphenyl-d14	*79.6*			*40-135*	*%REC*	*1*	*25-Jul-2023 18:39*
Surr: Nitrobenzene-d5	*58.1*			*41-120*	*%REC*	*1*	*25-Jul-2023 18:39*
Surr: Phenol-d6	*59.0*			*20-120*	*%REC*	*1*	*25-Jul-2023 18:39*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000487**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 13:54

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-MW80B-20230707
Collection Date: 07-Jul-2023 12:25

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: PC
1,2-Dichloroethane		U	0.00020	0.0010	mg/L	1	13-Jul-2023 18:17
Benzene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 18:17
Chlorobenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 18:17
Ethylbenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 18:17
Methylene chloride		U	0.0010	0.0020	mg/L	1	13-Jul-2023 18:17
Toluene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 18:17
Xylenes, Total		U	0.00030	0.0030	mg/L	1	13-Jul-2023 18:17
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*13-Jul-2023 18:17*
Surr: 4-Bromofluorobenzene	*98.6*			*77-113*	*%REC*	*1*	*13-Jul-2023 18:17*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*13-Jul-2023 18:17*
Surr: Toluene-d8	*96.9*			*82-127*	*%REC*	*1*	*13-Jul-2023 18:17*

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-MW80B-20230707
Collection Date: 07-Jul-2023 12:25

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 13-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	U		0.000021	0.00020	mg/L	1	25-Jul-2023 19:02
2,4-Dimethylphenol	U		0.000040	0.00020	mg/L	1	25-Jul-2023 19:02
2,4-Dinitrotoluene	U		0.000058	0.00020	mg/L	1	25-Jul-2023 19:02
2,6-Dinitrotoluene	U		0.000042	0.00020	mg/L	1	25-Jul-2023 19:02
2-Chloronaphthalene	U		0.000021	0.00020	mg/L	1	25-Jul-2023 19:02
2-Methylnaphthalene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 19:02
4,6-Dinitro-2-methylphenol	U		0.000020	0.0010	mg/L	1	25-Jul-2023 19:02
4-Nitrophenol	U		0.000047	0.0010	mg/L	1	25-Jul-2023 19:02
Acenaphthene	U		0.000027	0.00010	mg/L	1	25-Jul-2023 19:02
Acenaphthylene	**0.00013**		**0.000015**	**0.00010**	**mg/L**	1	25-Jul-2023 19:02
Anthracene	**0.000023**	J	**0.000014**	**0.00010**	**mg/L**	1	25-Jul-2023 19:02
Benz(a)anthracene	U		0.000050	0.00010	mg/L	1	25-Jul-2023 19:02
Benzo(a)pyrene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 19:02
Bis(2-chloroethoxy)methane	U		0.000030	0.00020	mg/L	1	25-Jul-2023 19:02
Bis(2-ethylhexyl)phthalate	U		0.000037	0.00020	mg/L	1	25-Jul-2023 19:02
Chrysene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 19:02
Dibenzofuran	U		0.000020	0.00010	mg/L	1	25-Jul-2023 19:02
Di-n-butyl phthalate	**0.00063**		**0.000020**	**0.00020**	**mg/L**	1	25-Jul-2023 19:02
Fluoranthene	U		0.000010	0.00010	mg/L	1	25-Jul-2023 19:02
Fluorene	U		0.000030	0.00010	mg/L	1	25-Jul-2023 19:02
Naphthalene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 19:02
Nitrobenzene	U		0.000024	0.00020	mg/L	1	25-Jul-2023 19:02
N-Nitrosodiphenylamine	U		0.000025	0.00020	mg/L	1	25-Jul-2023 19:02
Pentachlorophenol	U		0.000079	0.00020	mg/L	1	25-Jul-2023 19:02
Phenanthrene	**0.000053**	J	**0.000021**	**0.00010**	**mg/L**	1	25-Jul-2023 19:02
Phenol	U		0.000035	0.00020	mg/L	1	25-Jul-2023 19:02
Pyrene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 19:02
Surr: 2,4,6-Tribromophenol	*88.3*			*34-129*	*%REC*	*1*	*25-Jul-2023 19:02*
Surr: 2-Fluorobiphenyl	*71.1*			*40-125*	*%REC*	*1*	*25-Jul-2023 19:02*
Surr: 2-Fluorophenol	*56.0*			*20-120*	*%REC*	*1*	*25-Jul-2023 19:02*
Surr: 4-Terphenyl-d14	*79.2*			*40-135*	*%REC*	*1*	*25-Jul-2023 19:02*
Surr: Nitrobenzene-d5	*57.0*			*41-120*	*%REC*	*1*	*25-Jul-2023 19:02*
Surr: Phenol-d6	*60.8*			*20-120*	*%REC*	*1*	*25-Jul-2023 19:02*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000931**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 13:56

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-MW50A-20230707
Collection Date: 07-Jul-2023 13:10

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: PC
1,2-Dichloroethane		U	0.00020	0.0010	mg/L	1	12-Jul-2023 15:57
Benzene		U	0.00020	0.0010	mg/L	1	12-Jul-2023 15:57
Chlorobenzene		U	0.00030	0.0010	mg/L	1	12-Jul-2023 15:57
Ethylbenzene		U	0.00030	0.0010	mg/L	1	12-Jul-2023 15:57
Methylene chloride		U	0.0010	0.0020	mg/L	1	12-Jul-2023 15:57
Toluene		U	0.00020	0.0010	mg/L	1	12-Jul-2023 15:57
Xylenes, Total		U	0.00030	0.0030	mg/L	1	12-Jul-2023 15:57
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*12-Jul-2023 15:57*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*12-Jul-2023 15:57*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*12-Jul-2023 15:57*
Surr: Toluene-d8	*97.3*			*82-127*	*%REC*	*1*	*12-Jul-2023 15:57*

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-MW50A-20230707
Collection Date: 07-Jul-2023 13:10

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 13-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	U		0.000021	0.00020	mg/L	1	15-Jul-2023 13:38
2,4-Dimethylphenol	U		0.000040	0.00020	mg/L	1	15-Jul-2023 13:38
2,4-Dinitrotoluene	U		0.000058	0.00020	mg/L	1	15-Jul-2023 13:38
2,6-Dinitrotoluene	U		0.000042	0.00020	mg/L	1	15-Jul-2023 13:38
2-Chloronaphthalene	U		0.000021	0.00020	mg/L	1	15-Jul-2023 13:38
2-Methylnaphthalene	U		0.000019	0.00010	mg/L	1	15-Jul-2023 13:38
4,6-Dinitro-2-methylphenol	U		0.000020	0.0010	mg/L	1	15-Jul-2023 13:38
4-Nitrophenol	U		0.000047	0.0010	mg/L	1	15-Jul-2023 13:38
Acenaphthene	U		0.000027	0.00010	mg/L	1	15-Jul-2023 13:38
Acenaphthylene	U		0.000015	0.00010	mg/L	1	15-Jul-2023 13:38
Anthracene	U		0.000014	0.00010	mg/L	1	15-Jul-2023 13:38
Benz(a)anthracene	U		0.000050	0.00010	mg/L	1	15-Jul-2023 13:38
Benzo(a)pyrene	U		0.000020	0.00010	mg/L	1	15-Jul-2023 13:38
Bis(2-chloroethoxy)methane	U		0.000030	0.00020	mg/L	1	15-Jul-2023 13:38
Bis(2-ethylhexyl)phthalate	**0.000069**	J	**0.000037**	**0.00020**	**mg/L**	1	15-Jul-2023 13:38
Chrysene	**0.000054**	J	**0.000021**	**0.00010**	**mg/L**	1	15-Jul-2023 13:38
Dibenzofuran	U		0.000020	0.00010	mg/L	1	15-Jul-2023 13:38
Di-n-butyl phthalate	**0.00024**		**0.000020**	**0.00020**	**mg/L**	1	15-Jul-2023 13:38
Fluoranthene	**0.000017**	J	**0.000010**	**0.00010**	**mg/L**	1	15-Jul-2023 13:38
Fluorene	U		0.000030	0.00010	mg/L	1	15-Jul-2023 13:38
Naphthalene	U		0.000020	0.00010	mg/L	1	15-Jul-2023 13:38
Nitrobenzene	U		0.000024	0.00020	mg/L	1	15-Jul-2023 13:38
N-Nitrosodiphenylamine	U		0.000025	0.00020	mg/L	1	15-Jul-2023 13:38
Pentachlorophenol	U		0.000079	0.00020	mg/L	1	15-Jul-2023 13:38
Phenanthrene	**0.000023**	J	**0.000021**	**0.00010**	**mg/L**	1	15-Jul-2023 13:38
Phenol	U		0.000035	0.00020	mg/L	1	15-Jul-2023 13:38
Pyrene	U		0.000019	0.00010	mg/L	1	15-Jul-2023 13:38
Surr: 2,4,6-Tribromophenol	*70.1*			*34-129*	*%REC*	*1*	*15-Jul-2023 13:38*
Surr: 2-Fluorobiphenyl	*72.7*			*40-125*	*%REC*	*1*	*15-Jul-2023 13:38*
Surr: 2-Fluorophenol	*56.1*			*20-120*	*%REC*	*1*	*15-Jul-2023 13:38*
Surr: 4-Terphenyl-d14	*100*			*40-135*	*%REC*	*1*	*15-Jul-2023 13:38*
Surr: Nitrobenzene-d5	*59.9*			*41-120*	*%REC*	*1*	*15-Jul-2023 13:38*
Surr: Phenol-d6	*61.2*			*20-120*	*%REC*	*1*	*15-Jul-2023 13:38*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	U		0.000400	0.00200	mg/L	1	26-Jul-2023 13:14

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-MW50B-20230709
Collection Date: 09-Jul-2023 11:45

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: PC
1,2-Dichloroethane		U	0.00020	0.0010	mg/L	1	13-Jul-2023 18:39
Benzene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 18:39
Chlorobenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 18:39
Ethylbenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 18:39
Methylene chloride		U	0.0010	0.0020	mg/L	1	13-Jul-2023 18:39
Toluene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 18:39
Xylenes, Total		U	0.00030	0.0030	mg/L	1	13-Jul-2023 18:39
Surr: 1,2-Dichloroethane-d4	*110*			*70-126*	*%REC*	*1*	*13-Jul-2023 18:39*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*13-Jul-2023 18:39*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*13-Jul-2023 18:39*
Surr: Toluene-d8	*98.6*			*82-127*	*%REC*	*1*	*13-Jul-2023 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-MW50B-20230709
Collection Date: 09-Jul-2023 11:45

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 13-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	U		0.000021	0.00020	mg/L	1	25-Jul-2023 19:25
2,4-Dimethylphenol	U		0.000040	0.00020	mg/L	1	25-Jul-2023 19:25
2,4-Dinitrotoluene	U		0.000058	0.00020	mg/L	1	25-Jul-2023 19:25
2,6-Dinitrotoluene	U		0.000042	0.00020	mg/L	1	25-Jul-2023 19:25
2-Chloronaphthalene	U		0.000021	0.00020	mg/L	1	25-Jul-2023 19:25
2-Methylnaphthalene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 19:25
4,6-Dinitro-2-methylphenol	U		0.000020	0.0010	mg/L	1	25-Jul-2023 19:25
4-Nitrophenol	U		0.000047	0.0010	mg/L	1	25-Jul-2023 19:25
Acenaphthene	U		0.000027	0.00010	mg/L	1	25-Jul-2023 19:25
Acenaphthylene	U		0.000015	0.00010	mg/L	1	25-Jul-2023 19:25
Anthracene	U		0.000014	0.00010	mg/L	1	25-Jul-2023 19:25
Benz(a)anthracene	U		0.000050	0.00010	mg/L	1	25-Jul-2023 19:25
Benzo(a)pyrene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 19:25
Bis(2-chloroethoxy)methane	U		0.000030	0.00020	mg/L	1	25-Jul-2023 19:25
Bis(2-ethylhexyl)phthalate	**0.000083**	J	**0.000037**	**0.00020**	**mg/L**	1	25-Jul-2023 19:25
Chrysene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 19:25
Dibenzofuran	U		0.000020	0.00010	mg/L	1	25-Jul-2023 19:25
Di-n-butyl phthalate	**0.00072**		**0.000020**	**0.00020**	**mg/L**	1	25-Jul-2023 19:25
Fluoranthene	U		0.000010	0.00010	mg/L	1	25-Jul-2023 19:25
Fluorene	U		0.000030	0.00010	mg/L	1	25-Jul-2023 19:25
Naphthalene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 19:25
Nitrobenzene	U		0.000024	0.00020	mg/L	1	25-Jul-2023 19:25
N-Nitrosodiphenylamine	U		0.000025	0.00020	mg/L	1	25-Jul-2023 19:25
Pentachlorophenol	U		0.000079	0.00020	mg/L	1	25-Jul-2023 19:25
Phenanthrene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 19:25
Phenol	U		0.000035	0.00020	mg/L	1	25-Jul-2023 19:25
Pyrene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 19:25
Surr: 2,4,6-Tribromophenol	*95.8*			*34-129*	*%REC*	*1*	*25-Jul-2023 19:25*
Surr: 2-Fluorobiphenyl	*69.7*			*40-125*	*%REC*	*1*	*25-Jul-2023 19:25*
Surr: 2-Fluorophenol	*53.1*			*20-120*	*%REC*	*1*	*25-Jul-2023 19:25*
Surr: 4-Terphenyl-d14	*85.0*			*40-135*	*%REC*	*1*	*25-Jul-2023 19:25*
Surr: Nitrobenzene-d5	*55.9*			*41-120*	*%REC*	*1*	*25-Jul-2023 19:25*
Surr: Phenol-d6	*57.7*			*20-120*	*%REC*	*1*	*25-Jul-2023 19:25*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00136**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 13:58

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-FB01-20230707
Collection Date: 07-Jul-2023 13:30

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-07
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: PC
1,2-Dichloroethane		U	0.00020	0.0010	mg/L	1	13-Jul-2023 13:48
Benzene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 13:48
Chlorobenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 13:48
Ethylbenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 13:48
Methylene chloride		U	0.0010	0.0020	mg/L	1	13-Jul-2023 13:48
Toluene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 13:48
Xylenes, Total		U	0.00030	0.0030	mg/L	1	13-Jul-2023 13:48
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*13-Jul-2023 13:48*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*13-Jul-2023 13:48*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*13-Jul-2023 13:48*
Surr: Toluene-d8	*98.9*			*82-127*	*%REC*	*1*	*13-Jul-2023 13:48*

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-FB01-20230707
Collection Date: 07-Jul-2023 13:30

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-07
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 13-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine		U	0.000021	0.00020	mg/L	1	25-Jul-2023 19:47
2,4-Dimethylphenol		U	0.000040	0.00020	mg/L	1	25-Jul-2023 19:47
2,4-Dinitrotoluene		U	0.000058	0.00020	mg/L	1	25-Jul-2023 19:47
2,6-Dinitrotoluene		U	0.000042	0.00020	mg/L	1	25-Jul-2023 19:47
2-Chloronaphthalene		U	0.000021	0.00020	mg/L	1	25-Jul-2023 19:47
2-Methylnaphthalene		U	0.000019	0.00010	mg/L	1	25-Jul-2023 19:47
4,6-Dinitro-2-methylphenol		U	0.000020	0.0010	mg/L	1	25-Jul-2023 19:47
4-Nitrophenol		U	0.000047	0.0010	mg/L	1	25-Jul-2023 19:47
Acenaphthene		U	0.000027	0.00010	mg/L	1	25-Jul-2023 19:47
Acenaphthylene		U	0.000015	0.00010	mg/L	1	25-Jul-2023 19:47
Anthracene		U	0.000014	0.00010	mg/L	1	25-Jul-2023 19:47
Benz(a)anthracene		U	0.000050	0.00010	mg/L	1	25-Jul-2023 19:47
Benzo(a)pyrene		U	0.000020	0.00010	mg/L	1	25-Jul-2023 19:47
Bis(2-chloroethoxy)methane		U	0.000030	0.00020	mg/L	1	25-Jul-2023 19:47
Bis(2-ethylhexyl)phthalate		U	0.000037	0.00020	mg/L	1	25-Jul-2023 19:47
Chrysene		U	0.000021	0.00010	mg/L	1	25-Jul-2023 19:47
Dibenzofuran		U	0.000020	0.00010	mg/L	1	25-Jul-2023 19:47
Di-n-butyl phthalate		U	0.000020	0.00020	mg/L	1	25-Jul-2023 19:47
Fluoranthene		U	0.000010	0.00010	mg/L	1	25-Jul-2023 19:47
Fluorene		U	0.000030	0.00010	mg/L	1	25-Jul-2023 19:47
Naphthalene		U	0.000020	0.00010	mg/L	1	25-Jul-2023 19:47
Nitrobenzene		U	0.000024	0.00020	mg/L	1	25-Jul-2023 19:47
N-Nitrosodiphenylamine		U	0.000025	0.00020	mg/L	1	25-Jul-2023 19:47
Pentachlorophenol		U	0.000079	0.00020	mg/L	1	25-Jul-2023 19:47
Phenanthrene		U	0.000021	0.00010	mg/L	1	25-Jul-2023 19:47
Phenol		U	0.000035	0.00020	mg/L	1	25-Jul-2023 19:47
Pyrene		U	0.000019	0.00010	mg/L	1	25-Jul-2023 19:47
Surr: 2,4,6-Tribromophenol	*84.6*			*34-129*	*%REC*	*1*	*25-Jul-2023 19:47*
Surr: 2-Fluorobiphenyl	*78.4*			*40-125*	*%REC*	*1*	*25-Jul-2023 19:47*
Surr: 2-Fluorophenol	*64.0*			*20-120*	*%REC*	*1*	*25-Jul-2023 19:47*
Surr: 4-Terphenyl-d14	*80.7*			*40-135*	*%REC*	*1*	*25-Jul-2023 19:47*
Surr: Nitrobenzene-d5	*65.6*			*41-120*	*%REC*	*1*	*25-Jul-2023 19:47*
Surr: Phenol-d6	*65.5*			*20-120*	*%REC*	*1*	*25-Jul-2023 19:47*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic		U	0.000400	0.00200	mg/L	1	26-Jul-2023 14:04

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-MW98A-20230709
Collection Date: 09-Jul-2023 12:40

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: PC
1,2-Dichloroethane		U	0.00020	0.0010	mg/L	1	13-Jul-2023 19:02
Benzene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 19:02
Chlorobenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 19:02
Ethylbenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 19:02
Methylene chloride		U	0.0010	0.0020	mg/L	1	13-Jul-2023 19:02
Toluene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 19:02
Xylenes, Total		U	0.00030	0.0030	mg/L	1	13-Jul-2023 19:02
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*13-Jul-2023 19:02*
Surr: 4-Bromofluorobenzene	*99.8*			*77-113*	*%REC*	*1*	*13-Jul-2023 19:02*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*13-Jul-2023 19:02*
Surr: Toluene-d8	*97.8*			*82-127*	*%REC*	*1*	*13-Jul-2023 19:02*

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-MW98A-20230709
Collection Date: 09-Jul-2023 12:40

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 13-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	U		0.000021	0.00020	mg/L	1	25-Jul-2023 20:10
2,4-Dimethylphenol	U		0.000040	0.00020	mg/L	1	25-Jul-2023 20:10
2,4-Dinitrotoluene	U		0.000058	0.00020	mg/L	1	25-Jul-2023 20:10
2,6-Dinitrotoluene	U		0.000042	0.00020	mg/L	1	25-Jul-2023 20:10
2-Chloronaphthalene	U		0.000021	0.00020	mg/L	1	25-Jul-2023 20:10
2-Methylnaphthalene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 20:10
4,6-Dinitro-2-methylphenol	U		0.000020	0.0010	mg/L	1	25-Jul-2023 20:10
4-Nitrophenol	U		0.000047	0.0010	mg/L	1	25-Jul-2023 20:10
Acenaphthene	U		0.000027	0.00010	mg/L	1	25-Jul-2023 20:10
Acenaphthylene	U		0.000015	0.00010	mg/L	1	25-Jul-2023 20:10
Anthracene	U		0.000014	0.00010	mg/L	1	25-Jul-2023 20:10
Benz(a)anthracene	U		0.000050	0.00010	mg/L	1	25-Jul-2023 20:10
Benzo(a)pyrene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 20:10
Bis(2-chloroethoxy)methane	U		0.000030	0.00020	mg/L	1	25-Jul-2023 20:10
Bis(2-ethylhexyl)phthalate	**0.00013**	J	**0.000037**	**0.00020**	**mg/L**	1	25-Jul-2023 20:10
Chrysene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 20:10
Dibenzofuran	U		0.000020	0.00010	mg/L	1	25-Jul-2023 20:10
Di-n-butyl phthalate	**0.00067**		**0.000020**	**0.00020**	**mg/L**	1	25-Jul-2023 20:10
Fluoranthene	U		0.000010	0.00010	mg/L	1	25-Jul-2023 20:10
Fluorene	U		0.000030	0.00010	mg/L	1	25-Jul-2023 20:10
Naphthalene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 20:10
Nitrobenzene	U		0.000024	0.00020	mg/L	1	25-Jul-2023 20:10
N-Nitrosodiphenylamine	U		0.000025	0.00020	mg/L	1	25-Jul-2023 20:10
Pentachlorophenol	U		0.000079	0.00020	mg/L	1	25-Jul-2023 20:10
Phenanthrene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 20:10
Phenol	U		0.000035	0.00020	mg/L	1	25-Jul-2023 20:10
Pyrene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 20:10
Surr: 2,4,6-Tribromophenol	*78.0*			*34-129*	*%REC*	*1*	*25-Jul-2023 20:10*
Surr: 2-Fluorobiphenyl	*63.2*			*40-125*	*%REC*	*1*	*25-Jul-2023 20:10*
Surr: 2-Fluorophenol	*49.4*			*20-120*	*%REC*	*1*	*25-Jul-2023 20:10*
Surr: 4-Terphenyl-d14	*77.5*			*40-135*	*%REC*	*1*	*25-Jul-2023 20:10*
Surr: Nitrobenzene-d5	*50.6*			*41-120*	*%REC*	*1*	*25-Jul-2023 20:10*
Surr: Phenol-d6	*53.3*			*20-120*	*%REC*	*1*	*25-Jul-2023 20:10*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00933**		**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 14:06

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-MW98B-20230709
Collection Date: 09-Jul-2023 13:30

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: PC
1,2-Dichloroethane		U	0.00020	0.0010	mg/L	1	13-Jul-2023 19:24
Benzene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 19:24
Chlorobenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 19:24
Ethylbenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 19:24
Methylene chloride		U	0.0010	0.0020	mg/L	1	13-Jul-2023 19:24
Toluene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 19:24
Xylenes, Total		U	0.00030	0.0030	mg/L	1	13-Jul-2023 19:24
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*13-Jul-2023 19:24*
Surr: 4-Bromofluorobenzene	*97.9*			*77-113*	*%REC*	*1*	*13-Jul-2023 19:24*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*13-Jul-2023 19:24*
Surr: Toluene-d8	*98.8*			*82-127*	*%REC*	*1*	*13-Jul-2023 19:24*

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-MW98B-20230709
Collection Date: 09-Jul-2023 13:30

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 13-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	U		0.000021	0.00020	mg/L	1	25-Jul-2023 20:33
2,4-Dimethylphenol	U		0.000040	0.00020	mg/L	1	25-Jul-2023 20:33
2,4-Dinitrotoluene	U		0.000058	0.00020	mg/L	1	25-Jul-2023 20:33
2,6-Dinitrotoluene	U		0.000042	0.00020	mg/L	1	25-Jul-2023 20:33
2-Chloronaphthalene	U		0.000021	0.00020	mg/L	1	25-Jul-2023 20:33
2-Methylnaphthalene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 20:33
4,6-Dinitro-2-methylphenol	U		0.000020	0.0010	mg/L	1	25-Jul-2023 20:33
4-Nitrophenol	U		0.000047	0.0010	mg/L	1	25-Jul-2023 20:33
Acenaphthene	U		0.000027	0.00010	mg/L	1	25-Jul-2023 20:33
Acenaphthylene	U		0.000015	0.00010	mg/L	1	25-Jul-2023 20:33
Anthracene	U		0.000014	0.00010	mg/L	1	25-Jul-2023 20:33
Benz(a)anthracene	U		0.000050	0.00010	mg/L	1	25-Jul-2023 20:33
Benzo(a)pyrene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 20:33
Bis(2-chloroethoxy)methane	U		0.000030	0.00020	mg/L	1	25-Jul-2023 20:33
Bis(2-ethylhexyl)phthalate	**0.000040**	J	**0.000037**	**0.00020**	**mg/L**	1	25-Jul-2023 20:33
Chrysene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 20:33
Dibenzofuran	U		0.000020	0.00010	mg/L	1	25-Jul-2023 20:33
Di-n-butyl phthalate	**0.00026**		**0.000020**	**0.00020**	**mg/L**	1	25-Jul-2023 20:33
Fluoranthene	U		0.000010	0.00010	mg/L	1	25-Jul-2023 20:33
Fluorene	U		0.000030	0.00010	mg/L	1	25-Jul-2023 20:33
Naphthalene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 20:33
Nitrobenzene	U		0.000024	0.00020	mg/L	1	25-Jul-2023 20:33
N-Nitrosodiphenylamine	U		0.000025	0.00020	mg/L	1	25-Jul-2023 20:33
Pentachlorophenol	U		0.000079	0.00020	mg/L	1	25-Jul-2023 20:33
Phenanthrene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 20:33
Phenol	U		0.000035	0.00020	mg/L	1	25-Jul-2023 20:33
Pyrene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 20:33
Surr: 2,4,6-Tribromophenol	*82.5*			*34-129*	*%REC*	*1*	*25-Jul-2023 20:33*
Surr: 2-Fluorobiphenyl	*55.1*			*40-125*	*%REC*	*1*	*25-Jul-2023 20:33*
Surr: 2-Fluorophenol	*41.0*			*20-120*	*%REC*	*1*	*25-Jul-2023 20:33*
Surr: 4-Terphenyl-d14	*71.8*			*40-135*	*%REC*	*1*	*25-Jul-2023 20:33*
Surr: Nitrobenzene-d5	*43.2*			*41-120*	*%REC*	*1*	*25-Jul-2023 20:33*
Surr: Phenol-d6	*45.4*			*20-120*	*%REC*	*1*	*25-Jul-2023 20:33*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00155**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 14:14

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-MW97A-20230709
Collection Date: 09-Jul-2023 14:25

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: PC
1,2-Dichloroethane		U	0.00020	0.0010	mg/L	1	13-Jul-2023 19:46
Benzene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 19:46
Chlorobenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 19:46
Ethylbenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 19:46
Methylene chloride		U	0.0010	0.0020	mg/L	1	13-Jul-2023 19:46
Toluene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 19:46
Xylenes, Total		U	0.00030	0.0030	mg/L	1	13-Jul-2023 19:46
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*1*	*13-Jul-2023 19:46*
Surr: 4-Bromofluorobenzene	*99.7*			*77-113*	*%REC*	*1*	*13-Jul-2023 19:46*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*13-Jul-2023 19:46*
Surr: Toluene-d8	*97.2*			*82-127*	*%REC*	*1*	*13-Jul-2023 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-MW97A-20230709
Collection Date: 09-Jul-2023 14:25

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 13-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	U		0.000021	0.00020	mg/L	1	25-Jul-2023 20:55
2,4-Dimethylphenol	U		0.000040	0.00020	mg/L	1	25-Jul-2023 20:55
2,4-Dinitrotoluene	U		0.000058	0.00020	mg/L	1	25-Jul-2023 20:55
2,6-Dinitrotoluene	U		0.000042	0.00020	mg/L	1	25-Jul-2023 20:55
2-Chloronaphthalene	U		0.000021	0.00020	mg/L	1	25-Jul-2023 20:55
2-Methylnaphthalene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 20:55
4,6-Dinitro-2-methylphenol	U		0.000020	0.0010	mg/L	1	25-Jul-2023 20:55
4-Nitrophenol	U		0.000047	0.0010	mg/L	1	25-Jul-2023 20:55
Acenaphthene	U		0.000027	0.00010	mg/L	1	25-Jul-2023 20:55
Acenaphthylene	U		0.000015	0.00010	mg/L	1	25-Jul-2023 20:55
Anthracene	U		0.000014	0.00010	mg/L	1	25-Jul-2023 20:55
Benz(a)anthracene	U		0.000050	0.00010	mg/L	1	25-Jul-2023 20:55
Benzo(a)pyrene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 20:55
Bis(2-chloroethoxy)methane	U		0.000030	0.00020	mg/L	1	25-Jul-2023 20:55
Bis(2-ethylhexyl)phthalate	**0.000086**	J	**0.000037**	**0.00020**	**mg/L**	1	25-Jul-2023 20:55
Chrysene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 20:55
Dibenzofuran	U		0.000020	0.00010	mg/L	1	25-Jul-2023 20:55
Di-n-butyl phthalate	**0.00061**		**0.000020**	**0.00020**	**mg/L**	1	25-Jul-2023 20:55
Fluoranthene	U		0.000010	0.00010	mg/L	1	25-Jul-2023 20:55
Fluorene	U		0.000030	0.00010	mg/L	1	25-Jul-2023 20:55
Naphthalene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 20:55
Nitrobenzene	U		0.000024	0.00020	mg/L	1	25-Jul-2023 20:55
N-Nitrosodiphenylamine	U		0.000025	0.00020	mg/L	1	25-Jul-2023 20:55
Pentachlorophenol	U		0.000079	0.00020	mg/L	1	25-Jul-2023 20:55
Phenanthrene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 20:55
Phenol	U		0.000035	0.00020	mg/L	1	25-Jul-2023 20:55
Pyrene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 20:55
Surr: 2,4,6-Tribromophenol	*80.0*			*34-129*	*%REC*	*1*	*25-Jul-2023 20:55*
Surr: 2-Fluorobiphenyl	*63.9*			*40-125*	*%REC*	*1*	*25-Jul-2023 20:55*
Surr: 2-Fluorophenol	*51.8*			*20-120*	*%REC*	*1*	*25-Jul-2023 20:55*
Surr: 4-Terphenyl-d14	*65.6*			*40-135*	*%REC*	*1*	*25-Jul-2023 20:55*
Surr: Nitrobenzene-d5	*54.1*			*41-120*	*%REC*	*1*	*25-Jul-2023 20:55*
Surr: Phenol-d6	*56.1*			*20-120*	*%REC*	*1*	*25-Jul-2023 20:55*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000962**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 14:16

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-MW76B-20230709
Collection Date: 09-Jul-2023 15:15

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: PC
1,2-Dichloroethane		U	0.00020	0.0010	mg/L	1	13-Jul-2023 20:09
Benzene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 20:09
Chlorobenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 20:09
Ethylbenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 20:09
Methylene chloride		U	0.0010	0.0020	mg/L	1	13-Jul-2023 20:09
Toluene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 20:09
Xylenes, Total		U	0.00030	0.0030	mg/L	1	13-Jul-2023 20:09
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*13-Jul-2023 20:09*
Surr: 4-Bromofluorobenzene	*97.9*			*77-113*	*%REC*	*1*	*13-Jul-2023 20:09*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*13-Jul-2023 20:09*
Surr: Toluene-d8	*97.9*			*82-127*	*%REC*	*1*	*13-Jul-2023 20:09*

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-MW76B-20230709
Collection Date: 09-Jul-2023 15:15

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 13-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	U		0.000021	0.00020	mg/L	1	25-Jul-2023 21:18
2,4-Dimethylphenol	U		0.000040	0.00020	mg/L	1	25-Jul-2023 21:18
2,4-Dinitrotoluene	U		0.000058	0.00020	mg/L	1	25-Jul-2023 21:18
2,6-Dinitrotoluene	U		0.000042	0.00020	mg/L	1	25-Jul-2023 21:18
2-Chloronaphthalene	U		0.000021	0.00020	mg/L	1	25-Jul-2023 21:18
2-Methylnaphthalene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 21:18
4,6-Dinitro-2-methylphenol	U		0.000020	0.0010	mg/L	1	25-Jul-2023 21:18
4-Nitrophenol	U		0.000047	0.0010	mg/L	1	25-Jul-2023 21:18
Acenaphthene	U		0.000027	0.00010	mg/L	1	25-Jul-2023 21:18
Acenaphthylene	U		0.000015	0.00010	mg/L	1	25-Jul-2023 21:18
Anthracene	U		0.000014	0.00010	mg/L	1	25-Jul-2023 21:18
Benz(a)anthracene	U		0.000050	0.00010	mg/L	1	25-Jul-2023 21:18
Benzo(a)pyrene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 21:18
Bis(2-chloroethoxy)methane	U		0.000030	0.00020	mg/L	1	25-Jul-2023 21:18
Bis(2-ethylhexyl)phthalate	U		0.000037	0.00020	mg/L	1	25-Jul-2023 21:18
Chrysene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 21:18
Dibenzofuran	U		0.000020	0.00010	mg/L	1	25-Jul-2023 21:18
Di-n-butyl phthalate	**0.00028**		**0.000020**	**0.00020**	**mg/L**	1	25-Jul-2023 21:18
Fluoranthene	U		0.000010	0.00010	mg/L	1	25-Jul-2023 21:18
Fluorene	U		0.000030	0.00010	mg/L	1	25-Jul-2023 21:18
Naphthalene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 21:18
Nitrobenzene	U		0.000024	0.00020	mg/L	1	25-Jul-2023 21:18
N-Nitrosodiphenylamine	U		0.000025	0.00020	mg/L	1	25-Jul-2023 21:18
Pentachlorophenol	U		0.000079	0.00020	mg/L	1	25-Jul-2023 21:18
Phenanthrene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 21:18
Phenol	U		0.000035	0.00020	mg/L	1	25-Jul-2023 21:18
Pyrene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 21:18
Surr: 2,4,6-Tribromophenol	*68.9*			*34-129*	*%REC*	*1*	*25-Jul-2023 21:18*
Surr: 2-Fluorobiphenyl	*57.3*			*40-125*	*%REC*	*1*	*25-Jul-2023 21:18*
Surr: 2-Fluorophenol	*45.9*			*20-120*	*%REC*	*1*	*25-Jul-2023 21:18*
Surr: 4-Terphenyl-d14	*70.8*			*40-135*	*%REC*	*1*	*25-Jul-2023 21:18*
Surr: Nitrobenzene-d5	*48.4*			*41-120*	*%REC*	*1*	*25-Jul-2023 21:18*
Surr: Phenol-d6	*49.2*			*20-120*	*%REC*	*1*	*25-Jul-2023 21:18*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000798**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 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-MW76C-20230709
Collection Date: 09-Jul-2023 16:15

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: PC
1,2-Dichloroethane		U	0.00020	0.0010	mg/L	1	13-Jul-2023 20:31
Benzene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 20:31
Chlorobenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 20:31
Ethylbenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 20:31
Methylene chloride		U	0.0010	0.0020	mg/L	1	13-Jul-2023 20:31
Toluene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 20:31
Xylenes, Total		U	0.00030	0.0030	mg/L	1	13-Jul-2023 20:31
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*13-Jul-2023 20:31*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*13-Jul-2023 20:31*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*13-Jul-2023 20:31*
Surr: Toluene-d8	*97.7*			*82-127*	*%REC*	*1*	*13-Jul-2023 20:31*

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-MW76C-20230709
Collection Date: 09-Jul-2023 16:15

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 13-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	U		0.000021	0.00020	mg/L	1	25-Jul-2023 21:41
2,4-Dimethylphenol	U		0.000040	0.00020	mg/L	1	25-Jul-2023 21:41
2,4-Dinitrotoluene	U		0.000058	0.00020	mg/L	1	25-Jul-2023 21:41
2,6-Dinitrotoluene	U		0.000042	0.00020	mg/L	1	25-Jul-2023 21:41
2-Chloronaphthalene	U		0.000021	0.00020	mg/L	1	25-Jul-2023 21:41
2-Methylnaphthalene	**0.00022**		**0.000019**	**0.00010**	**mg/L**	1	25-Jul-2023 21:41
4,6-Dinitro-2-methylphenol	U		0.000020	0.0010	mg/L	1	25-Jul-2023 21:41
4-Nitrophenol	U		0.000047	0.0010	mg/L	1	25-Jul-2023 21:41
Acenaphthene	U		0.000027	0.00010	mg/L	1	25-Jul-2023 21:41
Acenaphthylene	U		0.000015	0.00010	mg/L	1	25-Jul-2023 21:41
Anthracene	U		0.000014	0.00010	mg/L	1	25-Jul-2023 21:41
Benz(a)anthracene	U		0.000050	0.00010	mg/L	1	25-Jul-2023 21:41
Benzo(a)pyrene	U		0.000020	0.00010	mg/L	1	25-Jul-2023 21:41
Bis(2-chloroethoxy)methane	U		0.000030	0.00020	mg/L	1	25-Jul-2023 21:41
Bis(2-ethylhexyl)phthalate	**0.000071**	J	**0.000037**	**0.00020**	**mg/L**	1	25-Jul-2023 21:41
Chrysene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 21:41
Dibenzofuran	U		0.000020	0.00010	mg/L	1	25-Jul-2023 21:41
Di-n-butyl phthalate	**0.00052**		**0.000020**	**0.00020**	**mg/L**	1	25-Jul-2023 21:41
Fluoranthene	U		0.000010	0.00010	mg/L	1	25-Jul-2023 21:41
Fluorene	U		0.000030	0.00010	mg/L	1	25-Jul-2023 21:41
Naphthalene	**0.00093**		**0.000020**	**0.00010**	**mg/L**	1	25-Jul-2023 21:41
Nitrobenzene	U		0.000024	0.00020	mg/L	1	25-Jul-2023 21:41
N-Nitrosodiphenylamine	U		0.000025	0.00020	mg/L	1	25-Jul-2023 21:41
Pentachlorophenol	U		0.000079	0.00020	mg/L	1	25-Jul-2023 21:41
Phenanthrene	U		0.000021	0.00010	mg/L	1	25-Jul-2023 21:41
Phenol	U		0.000035	0.00020	mg/L	1	25-Jul-2023 21:41
Pyrene	U		0.000019	0.00010	mg/L	1	25-Jul-2023 21:41
Surr: 2,4,6-Tribromophenol	*83.8*			*34-129*	*%REC*	*1*	*25-Jul-2023 21:41*
Surr: 2-Fluorobiphenyl	*62.6*			*40-125*	*%REC*	*1*	*25-Jul-2023 21:41*
Surr: 2-Fluorophenol	*50.6*			*20-120*	*%REC*	*1*	*25-Jul-2023 21:41*
Surr: 4-Terphenyl-d14	*78.7*			*40-135*	*%REC*	*1*	*25-Jul-2023 21:41*
Surr: Nitrobenzene-d5	*52.3*			*41-120*	*%REC*	*1*	*25-Jul-2023 21:41*
Surr: Phenol-d6	*54.9*			*20-120*	*%REC*	*1*	*25-Jul-2023 21:41*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00106**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 14:20

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-FB02-20230709
Collection Date: 09-Jul-2023 16:45

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-13
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: PC
1,2-Dichloroethane		U	0.00020	0.0010	mg/L	1	13-Jul-2023 14:10
Benzene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 14:10
Chlorobenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 14:10
Ethylbenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 14:10
Methylene chloride		U	0.0010	0.0020	mg/L	1	13-Jul-2023 14:10
Toluene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 14:10
Xylenes, Total		U	0.00030	0.0030	mg/L	1	13-Jul-2023 14:10
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*13-Jul-2023 14:10*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*13-Jul-2023 14:10*
Surr: Dibromofluoromethane	*99.8*			*77-123*	*%REC*	*1*	*13-Jul-2023 14:10*
Surr: Toluene-d8	*98.8*			*82-127*	*%REC*	*1*	*13-Jul-2023 14:10*

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-FB02-20230709
Collection Date: 09-Jul-2023 16:45

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-13
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 13-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine		U	0.000021	0.00020	mg/L	1	26-Jul-2023 12:25
2,4-Dimethylphenol		U	0.000040	0.00020	mg/L	1	26-Jul-2023 12:25
2,4-Dinitrotoluene		U	0.000058	0.00020	mg/L	1	26-Jul-2023 12:25
2,6-Dinitrotoluene		U	0.000042	0.00020	mg/L	1	26-Jul-2023 12:25
2-Chloronaphthalene		U	0.000021	0.00020	mg/L	1	26-Jul-2023 12:25
2-Methylnaphthalene		U	0.000019	0.00010	mg/L	1	26-Jul-2023 12:25
4,6-Dinitro-2-methylphenol		U	0.000020	0.0010	mg/L	1	26-Jul-2023 12:25
4-Nitrophenol		U	0.000047	0.0010	mg/L	1	26-Jul-2023 12:25
Acenaphthene		U	0.000027	0.00010	mg/L	1	26-Jul-2023 12:25
Acenaphthylene		U	0.000015	0.00010	mg/L	1	26-Jul-2023 12:25
Anthracene		U	0.000014	0.00010	mg/L	1	26-Jul-2023 12:25
Benz(a)anthracene		U	0.000050	0.00010	mg/L	1	26-Jul-2023 12:25
Benzo(a)pyrene		U	0.000020	0.00010	mg/L	1	26-Jul-2023 12:25
Bis(2-chloroethoxy)methane		U	0.000030	0.00020	mg/L	1	26-Jul-2023 12:25
Bis(2-ethylhexyl)phthalate		U	0.000037	0.00020	mg/L	1	26-Jul-2023 12:25
Chrysene		U	0.000021	0.00010	mg/L	1	26-Jul-2023 12:25
Dibenzofuran		U	0.000020	0.00010	mg/L	1	26-Jul-2023 12:25
Di-n-butyl phthalate		U	0.000020	0.00020	mg/L	1	26-Jul-2023 12:25
Fluoranthene		U	0.000010	0.00010	mg/L	1	26-Jul-2023 12:25
Fluorene		U	0.000030	0.00010	mg/L	1	26-Jul-2023 12:25
Naphthalene		U	0.000020	0.00010	mg/L	1	26-Jul-2023 12:25
Nitrobenzene		U	0.000024	0.00020	mg/L	1	26-Jul-2023 12:25
N-Nitrosodiphenylamine		U	0.000025	0.00020	mg/L	1	26-Jul-2023 12:25
Pentachlorophenol		U	0.000079	0.00020	mg/L	1	26-Jul-2023 12:25
Phenanthrene		U	0.000021	0.00010	mg/L	1	26-Jul-2023 12:25
Phenol		U	0.000035	0.00020	mg/L	1	26-Jul-2023 12:25
Pyrene		U	0.000019	0.00010	mg/L	1	26-Jul-2023 12:25
Surr: 2,4,6-Tribromophenol	*77.8*			*34-129*	*%REC*	*1*	*26-Jul-2023 12:25*
Surr: 2-Fluorobiphenyl	*70.8*			*40-125*	*%REC*	*1*	*26-Jul-2023 12:25*
Surr: 2-Fluorophenol	*58.6*			*20-120*	*%REC*	*1*	*26-Jul-2023 12:25*
Surr: 4-Terphenyl-d14	*76.1*			*40-135*	*%REC*	*1*	*26-Jul-2023 12:25*
Surr: Nitrobenzene-d5	*60.2*			*41-120*	*%REC*	*1*	*26-Jul-2023 12:25*
Surr: Phenol-d6	*60.1*			*20-120*	*%REC*	*1*	*26-Jul-2023 12:25*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic		U	0.000400	0.00200	mg/L	1	26-Jul-2023 14:22

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-MW77A-20230710
Collection Date: 10-Jul-2023 07:40

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: PC
1,2-Dichloroethane	U		0.00020	0.0010	mg/L	1	13-Jul-2023 20:54
Benzene	**0.026**		**0.00020**	**0.0010**	**mg/L**	1	13-Jul-2023 20:54
Chlorobenzene	U		0.00030	0.0010	mg/L	1	13-Jul-2023 20:54
Ethylbenzene	**0.025**		**0.00030**	**0.0010**	**mg/L**	1	13-Jul-2023 20:54
Methylene chloride	U		0.0010	0.0020	mg/L	1	13-Jul-2023 20:54
Toluene	**0.0043**		**0.00020**	**0.0010**	**mg/L**	1	13-Jul-2023 20:54
Xylenes, Total	**0.035**		**0.00030**	**0.0030**	**mg/L**	1	13-Jul-2023 20:54
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*13-Jul-2023 20:54*
Surr: 4-Bromofluorobenzene	*105*			*77-113*	*%REC*	*1*	*13-Jul-2023 20:54*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*13-Jul-2023 20:54*
Surr: Toluene-d8	*96.8*			*82-127*	*%REC*	*1*	*13-Jul-2023 20:54*

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-MW77A-20230710
Collection Date: 10-Jul-2023 07:40

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 13-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	U		0.00021	0.0020	mg/L	10	26-Jul-2023 12:48
2,4-Dimethylphenol	**0.0030**		**0.00040**	**0.0020**	**mg/L**	10	26-Jul-2023 12:48
2,4-Dinitrotoluene	U		0.00058	0.0020	mg/L	10	26-Jul-2023 12:48
2,6-Dinitrotoluene	U		0.00042	0.0020	mg/L	10	26-Jul-2023 12:48
2-Chloronaphthalene	U		0.00021	0.0020	mg/L	10	26-Jul-2023 12:48
2-Methylnaphthalene	**0.040**		**0.00019**	**0.0010**	**mg/L**	10	26-Jul-2023 12:48
4,6-Dinitro-2-methylphenol	U		0.00020	0.010	mg/L	10	26-Jul-2023 12:48
4-Nitrophenol	U		0.00047	0.010	mg/L	10	26-Jul-2023 12:48
Acenaphthene	**0.023**		**0.00027**	**0.0010**	**mg/L**	10	26-Jul-2023 12:48
Acenaphthylene	U		0.00015	0.0010	mg/L	10	26-Jul-2023 12:48
Anthracene	**0.0011**		**0.00014**	**0.0010**	**mg/L**	10	26-Jul-2023 12:48
Benz(a)anthracene	U		0.00050	0.0010	mg/L	10	26-Jul-2023 12:48
Benzo(a)pyrene	U		0.00020	0.0010	mg/L	10	26-Jul-2023 12:48
Bis(2-chloroethoxy)methane	U		0.00030	0.0020	mg/L	10	26-Jul-2023 12:48
Bis(2-ethylhexyl)phthalate	U		0.00037	0.0020	mg/L	10	26-Jul-2023 12:48
Chrysene	U		0.00021	0.0010	mg/L	10	26-Jul-2023 12:48
Dibenzofuran	**0.012**		**0.00020**	**0.0010**	**mg/L**	10	26-Jul-2023 12:48
Di-n-butyl phthalate	U		0.00020	0.0020	mg/L	10	26-Jul-2023 12:48
Fluoranthene	U		0.00010	0.0010	mg/L	10	26-Jul-2023 12:48
Fluorene	**0.012**		**0.00030**	**0.0010**	**mg/L**	10	26-Jul-2023 12:48
Naphthalene	**0.64**		**0.0020**	**0.010**	**mg/L**	100	26-Jul-2023 13:10
Nitrobenzene	U		0.00024	0.0020	mg/L	10	26-Jul-2023 12:48
N-Nitrosodiphenylamine	U		0.00025	0.0020	mg/L	10	26-Jul-2023 12:48
Pentachlorophenol	U		0.00079	0.0020	mg/L	10	26-Jul-2023 12:48
Phenanthrene	**0.0069**		**0.00021**	**0.0010**	**mg/L**	10	26-Jul-2023 12:48
Phenol	U		0.00035	0.0020	mg/L	10	26-Jul-2023 12:48
Pyrene	U		0.00019	0.0010	mg/L	10	26-Jul-2023 12:48
Surr: 2,4,6-Tribromophenol	*117*			*34-129*	*%REC*	*10*	*26-Jul-2023 12:48*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*26-Jul-2023 13:10*
Surr: 2-Fluorobiphenyl	*74.3*			*40-125*	*%REC*	*10*	*26-Jul-2023 12:48*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*26-Jul-2023 13:10*
Surr: 2-Fluorophenol	*61.4*			*20-120*	*%REC*	*10*	*26-Jul-2023 12:48*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*26-Jul-2023 13:10*
Surr: 4-Terphenyl-d14	*106*			*40-135*	*%REC*	*10*	*26-Jul-2023 12:48*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*26-Jul-2023 13:10*
Surr: Nitrobenzene-d5	*62.2*			*41-120*	*%REC*	*10*	*26-Jul-2023 12:48*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*26-Jul-2023 13:10*
Surr: Phenol-d6	*62.0*			*20-120*	*%REC*	*10*	*26-Jul-2023 12:48*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*26-Jul-2023 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-MW77A-20230710
Collection Date: 10-Jul-2023 07:40

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.0191**		**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 14:24

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-TB01-20230710
Collection Date: 10-Jul-2023 00:00

ANALYTICAL REPORT
WorkOrder:HS23070563
Lab ID:HS23070563-15
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: PC
1,2-Dichloroethane		U	0.00020	0.0010	mg/L	1	13-Jul-2023 13:26
Benzene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 13:26
Chlorobenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 13:26
Ethylbenzene		U	0.00030	0.0010	mg/L	1	13-Jul-2023 13:26
Methylene chloride		U	0.0010	0.0020	mg/L	1	13-Jul-2023 13:26
Toluene		U	0.00020	0.0010	mg/L	1	13-Jul-2023 13:26
Xylenes, Total		U	0.00030	0.0030	mg/L	1	13-Jul-2023 13:26
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*13-Jul-2023 13:26*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*13-Jul-2023 13:26*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*13-Jul-2023 13:26*
Surr: Toluene-d8	*97.1*			*82-127*	*%REC*	*1*	*13-Jul-2023 13:26*

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: HS23070563

Batch ID: 197519 **Start Date:** 13 Jul 2023 11:30 **End Date:** 13 Jul 2023 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	
HS23070563-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070563-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070563-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070563-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070563-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070563-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070563-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070563-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070563-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070563-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070563-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070563-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070563-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070563-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198055 **Start Date:** 26 Jul 2023 08:00 **End Date:** 26 Jul 2023 08:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23070563-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070563-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070563-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070563-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070563-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070563-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070563-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070563-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070563-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070563-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070563-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070563-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070563-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070563-14		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070563

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 197519 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS23070563-07	WG-1620-FB01-20230707	07 Jul 2023 13:30		13 Jul 2023 11:30	25 Jul 2023 19:47	1
HS23070563-13	WG-1620-FB02-20230709	09 Jul 2023 16:45		13 Jul 2023 11:30	26 Jul 2023 12:25	1
Batch ID: 197519 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS23070563-01	WG-1620-MW51C-20230707	07 Jul 2023 09:45		13 Jul 2023 11:30	24 Jul 2023 22:05	1
HS23070563-02	WG-1620-MW51A-20230707	07 Jul 2023 10:35		13 Jul 2023 11:30	24 Jul 2023 22:26	1
HS23070563-03	WG-1620-MW81B-20230707	07 Jul 2023 11:40		13 Jul 2023 11:30	25 Jul 2023 18:39	1
HS23070563-04	WG-1620-MW80B-20230707	07 Jul 2023 12:25		13 Jul 2023 11:30	25 Jul 2023 19:02	1
HS23070563-05	WG-1620-MW50A-20230707	07 Jul 2023 13:10		13 Jul 2023 11:30	15 Jul 2023 13:38	1
HS23070563-06	WG-1620-MW50B-20230709	09 Jul 2023 11:45		13 Jul 2023 11:30	25 Jul 2023 19:25	1
HS23070563-08	WG-1620-MW98A-20230709	09 Jul 2023 12:40		13 Jul 2023 11:30	25 Jul 2023 20:10	1
HS23070563-09	WG-1620-MW98B-20230709	09 Jul 2023 13:30		13 Jul 2023 11:30	25 Jul 2023 20:33	1
HS23070563-10	WG-1620-MW97A-20230709	09 Jul 2023 14:25		13 Jul 2023 11:30	25 Jul 2023 20:55	1
HS23070563-11	WG-1620-MW76B-20230709	09 Jul 2023 15:15		13 Jul 2023 11:30	25 Jul 2023 21:18	1
HS23070563-12	WG-1620-MW76C-20230709	09 Jul 2023 16:15		13 Jul 2023 11:30	25 Jul 2023 21:41	1
HS23070563-14	WG-1620-MW77A-20230710	10 Jul 2023 07:40		13 Jul 2023 11:30	26 Jul 2023 13:10	100
HS23070563-14	WG-1620-MW77A-20230710	10 Jul 2023 07:40		13 Jul 2023 11:30	26 Jul 2023 12:48	10
Batch ID: 198055 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS23070563-07	WG-1620-FB01-20230707	07 Jul 2023 13:30		26 Jul 2023 08:00	26 Jul 2023 14:04	1
HS23070563-13	WG-1620-FB02-20230709	09 Jul 2023 16:45		26 Jul 2023 08:00	26 Jul 2023 14:22	1
Batch ID: 198055 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS23070563-01	WG-1620-MW51C-20230707	07 Jul 2023 09:45		26 Jul 2023 08:00	26 Jul 2023 13:49	1
HS23070563-02	WG-1620-MW51A-20230707	07 Jul 2023 10:35		26 Jul 2023 08:00	26 Jul 2023 13:52	1
HS23070563-03	WG-1620-MW81B-20230707	07 Jul 2023 11:40		26 Jul 2023 08:00	26 Jul 2023 13:54	1
HS23070563-04	WG-1620-MW80B-20230707	07 Jul 2023 12:25		26 Jul 2023 08:00	26 Jul 2023 13:56	1
HS23070563-05	WG-1620-MW50A-20230707	07 Jul 2023 13:10		26 Jul 2023 08:00	26 Jul 2023 13:14	1
HS23070563-06	WG-1620-MW50B-20230709	09 Jul 2023 11:45		26 Jul 2023 08:00	26 Jul 2023 13:58	1
HS23070563-08	WG-1620-MW98A-20230709	09 Jul 2023 12:40		26 Jul 2023 08:00	26 Jul 2023 14:06	1
HS23070563-09	WG-1620-MW98B-20230709	09 Jul 2023 13:30		26 Jul 2023 08:00	26 Jul 2023 14:14	1
HS23070563-10	WG-1620-MW97A-20230709	09 Jul 2023 14:25		26 Jul 2023 08:00	26 Jul 2023 14:16	1
HS23070563-11	WG-1620-MW76B-20230709	09 Jul 2023 15:15		26 Jul 2023 08:00	26 Jul 2023 14:18	1
HS23070563-12	WG-1620-MW76C-20230709	09 Jul 2023 16:15		26 Jul 2023 08:00	26 Jul 2023 14:20	1
HS23070563-14	WG-1620-MW77A-20230710	10 Jul 2023 07:40		26 Jul 2023 08:00	26 Jul 2023 14:24	1
Batch ID: R441164 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS23070563-05	WG-1620-MW50A-20230707	07 Jul 2023 13:10			12 Jul 2023 15:57	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070563

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R441284 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS23070563-07	WG-1620-FB01-20230707	07 Jul 2023 13:30			13 Jul 2023 13:48	1
HS23070563-13	WG-1620-FB02-20230709	09 Jul 2023 16:45			13 Jul 2023 14:10	1
HS23070563-15	WG-1620-TB01-20230710	10 Jul 2023 00:00			13 Jul 2023 13:26	1
Batch ID: R441284 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS23070563-01	WG-1620-MW51C-20230707	07 Jul 2023 09:45			13 Jul 2023 14:33	1
HS23070563-02	WG-1620-MW51A-20230707	07 Jul 2023 10:35			13 Jul 2023 17:32	1
HS23070563-03	WG-1620-MW81B-20230707	07 Jul 2023 11:40			13 Jul 2023 17:54	1
HS23070563-04	WG-1620-MW80B-20230707	07 Jul 2023 12:25			13 Jul 2023 18:17	1
HS23070563-06	WG-1620-MW50B-20230709	09 Jul 2023 11:45			13 Jul 2023 18:39	1
HS23070563-08	WG-1620-MW98A-20230709	09 Jul 2023 12:40			13 Jul 2023 19:02	1
HS23070563-09	WG-1620-MW98B-20230709	09 Jul 2023 13:30			13 Jul 2023 19:24	1
HS23070563-10	WG-1620-MW97A-20230709	09 Jul 2023 14:25			13 Jul 2023 19:46	1
HS23070563-11	WG-1620-MW76B-20230709	09 Jul 2023 15:15			13 Jul 2023 20:09	1
HS23070563-12	WG-1620-MW76C-20230709	09 Jul 2023 16:15			13 Jul 2023 20:31	1
HS23070563-14	WG-1620-MW77A-20230710	10 Jul 2023 07:40			13 Jul 2023 20:54	1

WorkOrder: HS23070563
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	0.00137	0.000400	0.00200

WorkOrder: HS23070563
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	0.000073	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000059	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000064	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000084	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000078	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000039	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000061	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000068	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000043	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000050	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000045	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000051	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000041	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000083	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000058	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000044	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.000050	0.000039	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000061	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000047	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000047	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000048	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000093	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000060	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000036	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000048	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000084	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: HS23070563
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	0.000073	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000059	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000064	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000084	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000078	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000039	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000061	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000068	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000043	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000050	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000045	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000051	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000041	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000083	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000058	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000044	0.000021	0.00010
A	Dibenzofuran	132-64-9	0.000050	0.000039	0.000020	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000061	0.000020	0.00020
A	Fluoranthene	206-44-0	0.000050	0.000047	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000047	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000048	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000093	0.000024	0.00020
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000060	0.000025	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000036	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000048	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000084	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: HS23070563
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	0.00058	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00053	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00056	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00045	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00097	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00053	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0012	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070563

QC BATCH REPORT

Batch ID: 198055 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-198055** Units: **mg/L** Analysis Date: **26-Jul-2023 13:10**
Client ID: Run ID: **ICPMS06_442351** SeqNo: **7452352** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00200								

LCS Sample ID: **LCS-198055** Units: **mg/L** Analysis Date: **26-Jul-2023 13:12**
Client ID: Run ID: **ICPMS06_442351** SeqNo: **7452353** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04556	0.00200	0.05	0	91.1	80 - 120				

MS Sample ID: **HS23070563-05MS** Units: **mg/L** Analysis Date: **26-Jul-2023 13:19**
Client ID: **WG-1620-MW50A-20230707** Run ID: **ICPMS06_442351** SeqNo: **7452356** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04735	0.00200	0.05	0.000369	94.0	80 - 120				

MSD Sample ID: **HS23070563-05MSD** Units: **mg/L** Analysis Date: **26-Jul-2023 13:20**
Client ID: **WG-1620-MW50A-20230707** Run ID: **ICPMS06_442351** SeqNo: **7452357** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04806	0.00200	0.05	0.000369	95.4	80 - 120	0.04735	1.49	20	

PDS Sample ID: **HS23070563-05PDS** Units: **mg/L** Analysis Date: **26-Jul-2023 13:22**
Client ID: **WG-1620-MW50A-20230707** Run ID: **ICPMS06_442351** SeqNo: **7452358** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09516	0.00200	0.1	0.000369	94.8	75 - 125				

SD Sample ID: **HS23070563-05SD** Units: **mg/L** Analysis Date: **26-Jul-2023 13:16**
Client ID: **WG-1620-MW50A-20230707** Run ID: **ICPMS06_442351** SeqNo: **7452355** PrepDate: **26-Jul-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.0100					0.000369	0	10	

The following samples were analyzed in this batch:

HS23070563-01	HS23070563-02	HS23070563-03	HS23070563-04
HS23070563-05	HS23070563-06	HS23070563-07	HS23070563-08
HS23070563-09	HS23070563-10	HS23070563-11	HS23070563-12
HS23070563-13	HS23070563-14		

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070563

QC BATCH REPORT

Batch ID: 197519 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-197519** Units: **ug/L** Analysis Date: **15-Jul-2023 11:50**
Client ID: Run ID: **SV-7_441450** SeqNo: **7430375** PrepDate: **13-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	U	0.20								
2,4-Dimethylphenol	U	0.20								
2,4-Dinitrotoluene	U	0.20								
2,6-Dinitrotoluene	U	0.20								
2-Chloronaphthalene	U	0.20								
2-Methylnaphthalene	U	0.10								
4,6-Dinitro-2-methylphenol	U	1.0								
4-Nitrophenol	U	1.0								
Acenaphthene	U	0.10								
Acenaphthylene	U	0.10								
Anthracene	U	0.10								
Benz(a)anthracene	U	0.10								
Benzo(a)pyrene	U	0.10								
Bis(2-chloroethoxy)methane	U	0.20								
Bis(2-ethylhexyl)phthalate	U	0.20								
Chrysene	U	0.10								
Dibenzofuran	U	0.10								
Di-n-butyl phthalate	U	0.20								
Fluoranthene	U	0.10								
Fluorene	U	0.10								
Naphthalene	U	0.10								
Nitrobenzene	U	0.20								
N-Nitrosodiphenylamine	U	0.20								
Pentachlorophenol	U	0.20								
Phenanthrene	U	0.10								
Phenol	U	0.20								
Pyrene	U	0.10								
Surr: 2,4,6-Tribromophenol	*3.119*	*0.20*	*5*	*0*	*62.4*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.914*	*0.20*	*5*	*0*	*78.3*	*40 - 125*				
Surr: 2-Fluorophenol	*3.41*	*0.20*	*5*	*0*	*68.2*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.133*	*0.20*	*5*	*0*	*82.7*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.579*	*0.20*	*5*	*0*	*71.6*	*41 - 120*				
Surr: Phenol-d6	*3.447*	*0.20*	*5*	*0*	*68.9*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070563

QC BATCH REPORT

Batch ID: 197519 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-197519** Units: **ug/L** Analysis Date: **15-Jul-2023 12:12**
Client ID: Run ID: **SV-7_441450** SeqNo: **7430376** PrepDate: **13-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.926	0.20	5	0	78.5	39 - 127				
2,4-Dimethylphenol	3.484	0.20	5	0	69.7	35 - 120				
2,4-Dinitrotoluene	4.127	0.20	5	0	82.5	50 - 122				
2,6-Dinitrotoluene	3.976	0.20	5	0	79.5	50 - 120				
2-Chloronaphthalene	3.58	0.20	5	0	71.6	50 - 120				
2-Methylnaphthalene	3.389	0.10	5	0	67.8	50 - 120				
4,6-Dinitro-2-methylphenol	4.345	1.0	5	0	86.9	25 - 121				
4-Nitrophenol	4.344	1.0	5	0	86.9	30 - 130				
Acenaphthene	3.486	0.10	5	0	69.7	45 - 120				
Acenaphthylene	3.611	0.10	5	0	72.2	47 - 120				
Anthracene	3.588	0.10	5	0	71.8	45 - 120				
Benz(a)anthracene	3.526	0.10	5	0	70.5	40 - 120				
Benzo(a)pyrene	4.174	0.10	5	0	83.5	45 - 120				
Bis(2-chloroethoxy)methane	3.479	0.20	5	0	69.6	45 - 120				
Bis(2-ethylhexyl)phthalate	4.489	0.20	5	0	89.8	40 - 139				
Chrysene	3.53	0.10	5	0	70.6	43 - 120				
Dibenzofuran	3.582	0.10	5	0	71.6	50 - 120				
Di-n-butyl phthalate	4.006	0.20	5	0	80.1	45 - 123				
Fluoranthene	3.653	0.10	5	0	73.1	45 - 125				
Fluorene	3.543	0.10	5	0	70.9	49 - 120				
Naphthalene	3.365	0.10	5	0	67.3	45 - 120				
Nitrobenzene	3.339	0.20	5	0	66.8	44 - 120				
N-Nitrosodiphenylamine	3.547	0.20	5	0	70.9	40 - 125				
Pentachlorophenol	3.555	0.20	5	0	71.1	19 - 121				
Phenanthrene	3.566	0.10	5	0	71.3	45 - 121				
Phenol	3.502	0.20	5	0	70.0	20 - 124				
Pyrene	3.474	0.10	5	0	69.5	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.639*	*0.20*	*5*	*0*	*72.8*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.811*	*0.20*	*5*	*0*	*76.2*	*40 - 125*				
Surr: 2-Fluorophenol	*2.876*	*0.20*	*5*	*0*	*57.5*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.658*	*0.20*	*5*	*0*	*73.2*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.315*	*0.20*	*5*	*0*	*66.3*	*41 - 120*				
Surr: Phenol-d6	*3.128*	*0.20*	*5*	*0*	*62.6*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070563

QC BATCH REPORT

Batch ID: 197519 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS23070563-05MS** Units: **ug/L** Analysis Date: **15-Jul-2023 14:00**
Client ID: **WG-1620-MW50A-20230707** Run ID: **SV-7_441450** SeqNo: **7431580** PrepDate: **13-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.354	0.20	5	0	67.1	39 - 127				
2,4-Dimethylphenol	3.382	0.20	5	0	67.6	35 - 120				
2,4-Dinitrotoluene	4.154	0.20	5	0	83.1	50 - 122				
2,6-Dinitrotoluene	3.826	0.20	5	0	76.5	50 - 120				
2-Chloronaphthalene	3.321	0.20	5	0	66.4	50 - 120				
2-Methylnaphthalene	3.346	0.10	5	0	66.9	50 - 120				
4,6-Dinitro-2-methylphenol	5.129	1.0	5	0	103	25 - 121				
4-Nitrophenol	4.937	1.0	5	0	98.7	30 - 130				
Acenaphthene	3.318	0.10	5	0	66.4	45 - 120				
Acenaphthylene	3.423	0.10	5	0	68.5	47 - 120				
Anthracene	3.815	0.10	5	0	76.3	45 - 120				
Benz(a)anthracene	4.07	0.10	5	0	81.4	40 - 120				
Benzo(a)pyrene	4.924	0.10	5	0	98.5	45 - 120				
Bis(2-chloroethoxy)methane	3.221	0.20	5	0	64.4	45 - 120				
Bis(2-ethylhexyl)phthalate	5.394	0.20	5	0.0689	107	40 - 139				
Chrysene	3.987	0.10	5	0.05363	78.7	43 - 120				
Dibenzofuran	3.419	0.10	5	0	68.4	50 - 120				
Di-n-butyl phthalate	4.891	0.20	5	0.2384	93.1	45 - 123				
Fluoranthene	4.132	0.10	5	0.01676	82.3	45 - 125				
Fluorene	3.428	0.10	5	0	68.6	49 - 120				
Naphthalene	3.107	0.10	5	0	62.1	45 - 120				
Nitrobenzene	3.079	0.20	5	0	61.6	44 - 120				
N-Nitrosodiphenylamine	3.565	0.20	5	0	71.3	40 - 125				
Pentachlorophenol	4.137	0.20	5	0	82.7	19 - 121				
Phenanthrene	3.671	0.10	5	0.02301	73.0	45 - 121				
Phenol	3.443	0.20	5	0	68.9	20 - 124				
Pyrene	3.962	0.10	5	0.01884	78.9	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.765*	*0.20*	*5*	*0*	*75.3*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.546*	*0.20*	*5*	*0*	*70.9*	*40 - 125*				
Surr: 2-Fluorophenol	*2.83*	*0.20*	*5*	*0*	*56.6*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.254*	*0.20*	*5*	*0*	*85.1*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.084*	*0.20*	*5*	*0*	*61.7*	*41 - 120*				
Surr: Phenol-d6	*3.054*	*0.20*	*5*	*0*	*61.1*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070563

QC BATCH REPORT

Batch ID: 197519 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS23070563-05MSD** Units: **ug/L** Analysis Date: **15-Jul-2023 14:22**
Client ID: **WG-1620-MW50A-20230707** Run ID: **SV-7_441450** SeqNo: **7431581** PrepDate: **13-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.733	0.20	5	0	74.7	39 - 127	3.354	10.7	20	
2,4-Dimethylphenol	3.388	0.20	5	0	67.8	35 - 120	3.382	0.182	20	
2,4-Dinitrotoluene	4.504	0.20	5	0	90.1	50 - 122	4.154	8.08	20	
2,6-Dinitrotoluene	4.254	0.20	5	0	85.1	50 - 120	3.826	10.6	20	
2-Chloronaphthalene	3.546	0.20	5	0	70.9	50 - 120	3.321	6.56	20	
2-Methylnaphthalene	3.339	0.10	5	0	66.8	50 - 120	3.346	0.221	20	
4,6-Dinitro-2-methylphenol	5.489	1.0	5	0	110	25 - 121	5.129	6.77	30	
4-Nitrophenol	5.52	1.0	5	0	110	30 - 130	4.937	11.1	20	
Acenaphthene	3.479	0.10	5	0	69.6	45 - 120	3.318	4.74	20	
Acenaphthylene	3.614	0.10	5	0	72.3	47 - 120	3.423	5.44	20	
Anthracene	3.949	0.10	5	0	79.0	45 - 120	3.815	3.44	20	
Benz(a)anthracene	4.556	0.10	5	0	91.1	40 - 120	4.07	11.3	20	
Benzo(a)pyrene	5.258	0.10	5	0	105	45 - 120	4.924	6.55	20	
Bis(2-chloroethoxy)methane	3.344	0.20	5	0	66.9	45 - 120	3.221	3.75	20	
Bis(2-ethylhexyl)phthalate	6.106	0.20	5	0.0689	121	40 - 139	5.394	12.4	20	
Chrysene	4.321	0.10	5	0.05363	85.3	43 - 120	3.987	8.05	20	
Dibenzofuran	3.623	0.10	5	0	72.5	50 - 120	3.419	5.8	20	
Di-n-butyl phthalate	5.39	0.20	5	0.2384	103	45 - 123	4.891	9.7	20	
Fluoranthene	4.547	0.10	5	0.01676	90.6	45 - 125	4.132	9.56	20	
Fluorene	3.661	0.10	5	0	73.2	49 - 120	3.428	6.57	20	
Naphthalene	3.186	0.10	5	0	63.7	45 - 120	3.107	2.52	20	
Nitrobenzene	3.107	0.20	5	0	62.1	44 - 120	3.079	0.915	20	
N-Nitrosodiphenylamine	3.812	0.20	5	0	76.2	40 - 125	3.565	6.68	20	
Pentachlorophenol	4.577	0.20	5	0	91.5	19 - 121	4.137	10.1	20	
Phenanthrene	3.909	0.10	5	0.02301	77.7	45 - 121	3.671	6.28	20	
Phenol	3.334	0.20	5	0	66.7	20 - 124	3.443	3.2	20	
Pyrene	4.384	0.10	5	0.01884	87.3	40 - 130	3.962	10.1	20	
Surr: 2,4,6-Tribromophenol	*3.871*	*0.20*	*5*	*0*	*77.4*	*34 - 129*	*3.765*	*2.78*	*20*	
Surr: 2-Fluorobiphenyl	*3.545*	*0.20*	*5*	*0*	*70.9*	*40 - 125*	*3.546*	*0.042*	*20*	
Surr: 2-Fluorophenol	*2.868*	*0.20*	*5*	*0*	*57.4*	*20 - 120*	*2.83*	*1.34*	*20*	
Surr: 4-Terphenyl-d14	*4.539*	*0.20*	*5*	*0*	*90.8*	*40 - 135*	*4.254*	*6.5*	*20*	
Surr: Nitrobenzene-d5	*3.024*	*0.20*	*5*	*0*	*60.5*	*41 - 120*	*3.084*	*1.98*	*20*	
Surr: Phenol-d6	*3.019*	*0.20*	*5*	*0*	*60.4*	*20 - 120*	*3.054*	*1.14*	*20*	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070563

QC BATCH REPORT

Batch ID: 197519 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS23070563-01	HS23070563-02	HS23070563-03	HS23070563-04
HS23070563-05	HS23070563-06	HS23070563-07	HS23070563-08
HS23070563-09	HS23070563-10	HS23070563-11	HS23070563-12
HS23070563-13	HS23070563-14		

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070563

QC BATCH REPORT

Batch ID: R441164 (0) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230712** Units: **ug/L** Analysis Date: **12-Jul-2023 14:27**
Client ID: Run ID: **VOA9_441164** SeqNo: **7423289** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	U	1.0								
Benzene	U	1.0								
Chlorobenzene	U	1.0								
Ethylbenzene	U	1.0								
Methylene chloride	U	2.0								
Toluene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 1,2-Dichloroethane-d4	*52.11*	*1.0*	*50*	*0*	*104*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.85*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*51.4*	*1.0*	*50*	*0*	*103*	*73 - 126*				
Surr: Toluene-d8	*48.98*	*1.0*	*50*	*0*	*98.0*	*81 - 120*				

LCS Sample ID: **VLCSW-230712** Units: **ug/L** Analysis Date: **12-Jul-2023 13:42**
Client ID: Run ID: **VOA9_441164** SeqNo: **7423288** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.62	1.0	20	0	98.1	70 - 124				
Benzene	19.25	1.0	20	0	96.3	74 - 120				
Chlorobenzene	19.71	1.0	20	0	98.5	76 - 113				
Ethylbenzene	19.23	1.0	20	0	96.1	77 - 117				
Methylene chloride	20.76	2.0	20	0	104	70 - 127				
Toluene	18.72	1.0	20	0	93.6	77 - 118				
Xylenes, Total	61.42	3.0	60	0	102	75 - 122				
Surr: 1,2-Dichloroethane-d4	*50.9*	*1.0*	*50*	*0*	*102*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*52.77*	*1.0*	*50*	*0*	*106*	*77 - 113*				
Surr: Dibromofluoromethane	*51.11*	*1.0*	*50*	*0*	*102*	*73 - 126*				
Surr: Toluene-d8	*49.42*	*1.0*	*50*	*0*	*98.8*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070563

QC BATCH REPORT

Batch ID: R441164 (0) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23070563-05MS** Units: **ug/L** Analysis Date: **12-Jul-2023 16:19**
Client ID: **WG-1620-MW50A-20230707** Run ID: **VOA9_441164** SeqNo: **7423291** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	20.79	1.0	20	0	104	70 - 127				
Benzene	21.36	1.0	20	0	107	70 - 127				
Chlorobenzene	21.01	1.0	20	0	105	70 - 114				
Ethylbenzene	22.81	1.0	20	0	114	70 - 124				
Methylene chloride	21.92	2.0	20	0	110	70 - 128				
Toluene	21.24	1.0	20	0	106	70 - 123				
Xylenes, Total	69.19	3.0	60	0	115	70 - 130				
Surr: 1,2-Dichloroethane-d4	*51.71*	*1.0*	*50*	*0*	*103*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*52.39*	*1.0*	*50*	*0*	*105*	*77 - 113*				
Surr: Dibromofluoromethane	*50.97*	*1.0*	*50*	*0*	*102*	*77 - 123*				
Surr: Toluene-d8	*49.25*	*1.0*	*50*	*0*	*98.5*	*82 - 127*				

MSD Sample ID: **HS23070563-05MSD** Units: **ug/L** Analysis Date: **12-Jul-2023 16:42**
Client ID: **WG-1620-MW50A-20230707** Run ID: **VOA9_441164** SeqNo: **7423292** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	21.07	1.0	20	0	105	70 - 127	20.79	1.34	20	
Benzene	21.2	1.0	20	0	106	70 - 127	21.36	0.771	20	
Chlorobenzene	21.63	1.0	20	0	108	70 - 114	21.01	2.93	20	
Ethylbenzene	23.18	1.0	20	0	116	70 - 124	22.81	1.59	20	
Methylene chloride	21.68	2.0	20	0	108	70 - 128	21.92	1.1	20	
Toluene	21.37	1.0	20	0	107	70 - 123	21.24	0.606	20	
Xylenes, Total	72.81	3.0	60	0	121	70 - 130	69.19	5.1	20	
Surr: 1,2-Dichloroethane-d4	*51.13*	*1.0*	*50*	*0*	*102*	*70 - 126*	*51.71*	*1.13*	*20*	
Surr: 4-Bromofluorobenzene	*52.5*	*1.0*	*50*	*0*	*105*	*77 - 113*	*52.39*	*0.198*	*20*	
Surr: Dibromofluoromethane	*50.54*	*1.0*	*50*	*0*	*101*	*77 - 123*	*50.97*	*0.848*	*20*	
Surr: Toluene-d8	*49.38*	*1.0*	*50*	*0*	*98.8*	*82 - 127*	*49.25*	*0.265*	*20*	

The following samples were analyzed in this batch: HS23070563-05

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070563

QC BATCH REPORT

Batch ID: R441284 (0) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230713** Units: **ug/L** Analysis Date: **13-Jul-2023 13:03**
Client ID: Run ID: **VOA9_441284** SeqNo: **7427358** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,2-Dichloroethane	U	1.0							
Benzene	U	1.0							
Chlorobenzene	U	1.0							
Ethylbenzene	U	1.0							
Methylene chloride	U	2.0							
Toluene	U	1.0							
Xylenes, Total	U	3.0							
Surr: 1,2-Dichloroethane-d4	*53.06*	*1.0*	*50*	*0*	*106*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*51.52*	*1.0*	*50*	*0*	*103*	*77 - 113*			
Surr: Dibromofluoromethane	*51.2*	*1.0*	*50*	*0*	*102*	*73 - 126*			
Surr: Toluene-d8	*49.24*	*1.0*	*50*	*0*	*98.5*	*81 - 120*			

LCS Sample ID: **VLCSW-230713** Units: **ug/L** Analysis Date: **13-Jul-2023 12:19**
Client ID: Run ID: **VOA9_441284** SeqNo: **7427357** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,2-Dichloroethane	19.47	1.0	20	0	97.4	70 - 124			
Benzene	18.86	1.0	20	0	94.3	74 - 120			
Chlorobenzene	19.21	1.0	20	0	96.0	76 - 113			
Ethylbenzene	19.64	1.0	20	0	98.2	77 - 117			
Methylene chloride	20.53	2.0	20	0	103	70 - 127			
Toluene	18.63	1.0	20	0	93.1	77 - 118			
Xylenes, Total	62.9	3.0	60	0	105	75 - 122			
Surr: 1,2-Dichloroethane-d4	*50.7*	*1.0*	*50*	*0*	*101*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*52.09*	*1.0*	*50*	*0*	*104*	*77 - 113*			
Surr: Dibromofluoromethane	*50.28*	*1.0*	*50*	*0*	*101*	*73 - 126*			
Surr: Toluene-d8	*49.46*	*1.0*	*50*	*0*	*98.9*	*81 - 120*			

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: HS23070563

QC BATCH REPORT

Batch ID: R441284 (0) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23070563-01MS** Units: **ug/L** Analysis Date: **13-Jul-2023 15:18**
Client ID: **WG-1620-MW51C-20230707** Run ID: **VOA9_441284** SeqNo: **7427364** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	20.82	1.0	20	0	104	70 - 127				
Benzene	20.83	1.0	20	0	104	70 - 127				
Chlorobenzene	20.89	1.0	20	0	104	70 - 114				
Ethylbenzene	22.51	1.0	20	0	113	70 - 124				
Methylene chloride	21.2	2.0	20	0	106	70 - 128				
Toluene	21.06	1.0	20	0	105	70 - 123				
Xylenes, Total	68.78	3.0	60	0	115	70 - 130				
Surr: 1,2-Dichloroethane-d4	*51.6*	*1.0*	*50*	*0*	*103*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*51.52*	*1.0*	*50*	*0*	*103*	*77 - 113*				
Surr: Dibromofluoromethane	*51.1*	*1.0*	*50*	*0*	*102*	*77 - 123*				
Surr: Toluene-d8	*49.78*	*1.0*	*50*	*0*	*99.6*	*82 - 127*				

MSD Sample ID: **HS23070563-01MSD** Units: **ug/L** Analysis Date: **13-Jul-2023 15:40**
Client ID: **WG-1620-MW51C-20230707** Run ID: **VOA9_441284** SeqNo: **7427365** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	20.72	1.0	20	0	104	70 - 127	20.82	0.498	20	
Benzene	20.7	1.0	20	0	103	70 - 127	20.83	0.642	20	
Chlorobenzene	20.31	1.0	20	0	102	70 - 114	20.89	2.85	20	
Ethylbenzene	21.73	1.0	20	0	109	70 - 124	22.51	3.55	20	
Methylene chloride	20.06	2.0	20	0	100	70 - 128	21.2	5.51	20	
Toluene	20.17	1.0	20	0	101	70 - 123	21.06	4.32	20	
Xylenes, Total	68.21	3.0	60	0	114	70 - 130	68.78	0.825	20	
Surr: 1,2-Dichloroethane-d4	*52.29*	*1.0*	*50*	*0*	*105*	*70 - 126*	*51.6*	*1.32*	*20*	
Surr: 4-Bromofluorobenzene	*53.35*	*1.0*	*50*	*0*	*107*	*77 - 113*	*51.52*	*3.48*	*20*	
Surr: Dibromofluoromethane	*50.85*	*1.0*	*50*	*0*	*102*	*77 - 123*	*51.1*	*0.488*	*20*	
Surr: Toluene-d8	*49.07*	*1.0*	*50*	*0*	*98.1*	*82 - 127*	*49.78*	*1.45*	*20*	

The following samples were analyzed in this batch:

HS23070563-01	HS23070563-02	HS23070563-03	HS23070563-04
HS23070563-06	HS23070563-07	HS23070563-08	HS23070563-09
HS23070563-10	HS23070563-11	HS23070563-12	HS23070563-13
HS23070563-14	HS23070563-15		

Client: WSP Golder
Project: Houston TX-Wood Preserving Works
WorkOrder: **HS23070563**

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	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352; 2022-2023	31-Jul-2023
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23070563 **Date/Time Received:** **12-Jul-2023 10:40**

Client Name: PBW **Received by:** **Malcolm Burleson**

Completed By:	/S/ Nilesh D. Ranchod	12-Jul-2023 13:27	**Reviewed by:**	/S/ Nieka.Carson	14-Jul-2023 09:45
	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:295413/295412
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):	3.0C/2.9C,1.0C/0.9C, 0.9C/0.8C,0.7C/0.6C UC/C	IR 31
Cooler(s)/Kit(s):	48336/49029/49086/Large Blue	
Date/Time sample(s) sent to storage:	07/11/2023 18:00	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes: Sx Id Differ Chain = WG-1620-MW51C-20230707 Labels = MW-51C-20230607 , Chain = WG1620-MW51A-20230707 Labels = WG-1620-MW51A-20230607 Logged per chain.

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: 295413

HS23070563

WSP Golder

Houston TX-Wood Preserving Works

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	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	Michelle_Hermiston@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-MWS1C-20230707	7-7-23	0945	GW		6	X	X	X								
2	WG-1620-MWS1A-20230707		1035	GW		6	X	X	X								
3	WG-1620-MW81B-20230707		1140	GW		6	X	X	X								
4	WG-1620-MW80B-20230707		1225	GW		6	X	X	X								
5	WG-1620-MWS0A-20230707		1310	GW		12	X	X	X		X						
6	WG-1620-MWS0B-20230709	7-9-23	1145	GW		6	X	X	X								
7	WG-1620-FB01-20230707	7-7-23	1330	GW		6	X	X	X								
8	WG-1620-MW98A-20230709	7-9-23	1240	GW		6	X	X	X								
9	WG-1620-MW98B-20230709		1330	GW		6	X	X	X								
10	WG-1620-MW97A-20230709		1425	GW		6	X	X	X								

Sampler(s) Please Print & Sign: JOHN BRAYDON

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: 7-11-23	Time: 1040	Received by:	Notes: Houston TX-Wood Preserving Works 1620-02	
Relinquished by:	Date:	Time:	Received by (Laboratory): 07/12/2023 1040	Cooler ID	Cooler Temp. IR31
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	48936	3.0wc
				49029	1.0wc
				B. Blwc	0.7wc
				49086	0.9wc

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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Holland, MI +1 616 399 6070

Chain of Custody Form

Page 2 of 2

COC ID: 295412

HS23070563 WV

WSP Golder
Houston TX-Wood Preserving Works

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@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-MW76B-20230709	7-9-23	1515	GW		6	X	X	X								
2	WG-1620-MW76C-20230709	"	1615	GW		6	X	X	X								
3	WG-1620-FB02-20230709	"	1645	GW		6	X	X	X								
4	WG-1620-MW77A-20230710	7-10-23	0740	GW		6	X	X	X								
5	WG-1620-TB01-20230710					2	X										
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOHN BRAYTON

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: 7-11-23	Time: 1040	Received by:	Notes: Houston TX-Wood Preserving Works 1620-02	
Relinquished by:	Date:	Time:	Received by (Laboratory): 07/12/2023 1040	Cooler ID	Cooler Temp. 1.5.3.1
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
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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 31, 2023

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS23070613**

Laboratory Results for: **Houston TX-Wood Preserving Works 1620-02**

Dear Eric Matzner,

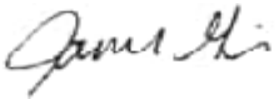
ALS Environmental received 16 sample(s) on Jul 12, 2023 for the analysis presented in the following report.

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,



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James Guin

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works 1620-02	
WorkOrder:	**HS23070613**	

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.

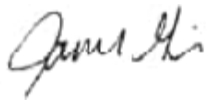
R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Golder
Project:	Houston TX-Wood Preserving Works 1620-02
WorkOrder:	**HS23070613**

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.



James Guin

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 07/31/2023				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS23070613				
Reviewer Name: James Guin			Prep Batch Number(s): 197589, 197691, 198056, R441321				
#[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				3
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				4
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 07/31/2023				
Project Name: Houston TX-Wood Preserving Works			Laboratory Job Number: HS23070613				
Reviewer Name: James Guin			Prep Batch Number(s): 197589, 197691, 198056, R441321				
#[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: 07/31/2023
Project Name: Houston TX-Wood Preserving Works	Laboratory Job Number: HS23070613
Reviewer Name: James Guin	Prep Batch Number(s): 197589, 197691, 198056, R441321

ER#[5]	Description
1	Batch 197589, 197691, Semivolatiles by method SW8270, Sample WG-1620-MW78A-20230710, WG-1620-MW40B-20230711, WG-1620-MW20A-20230711: surrogate recoveries could not be determined due to dilution below the calibration range. Batch 197589, Semivolatiles by method SW8270, Sample WG-1620-MW79A-20230710, Surrogate 2,4,6-Tribromophenol recovered outside control limits.
2	Batch R441321, Volatiles by method SW8260, Sample WG-1620-MW78A-20230710, MS/MSD recovered outside control limits for Toluene.
3	Login Notes: FB03 (Field Blank?) and Trip Blank listed as "GW" on COC - applied as "water" at sample login.
4	Batch R441321, Volatiles by method SW8260, Samples WG-1620-MW85C-20230710: Lowest practical dilution due to matrix. Sample is foamy. Batch R441321, Volatiles by method SW8260, Sample WG-1620-MW79A-20230710, Lowest practical dilution due to matrix. Batch 197589, Semivolatiles by method SW8270, Sample WG-1620-MW78A-20230710, WG-1620-MW79A-20230710: 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 1620-02
Work Order: HS23070613

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23070613-01	WG-1620-MW85C-20230710	GW		10-Jul-2023 08:35	12-Jul-2023 10:50	☐
HS23070613-02	WG-1620-MW78A-20230710	GW		10-Jul-2023 09:30	12-Jul-2023 10:50	☐
HS23070613-03	WG-1620-MW79A-20230710	GW		10-Jul-2023 10:15	12-Jul-2023 10:50	☐
HS23070613-04	WG-1620-MW86C-20230710	GW		10-Jul-2023 11:15	12-Jul-2023 10:50	☐
HS23070613-05	WG-1620-MW64A-20230710	GW		10-Jul-2023 12:40	12-Jul-2023 10:50	☐
HS23070613-06	WG-1620-MW62B-20230710	GW		10-Jul-2023 13:40	12-Jul-2023 10:50	☐
HS23070613-07	WG-1620-MW03-20230710	GW		10-Jul-2023 14:35	12-Jul-2023 10:50	☐
HS23070613-08	WG-1620-MW04-20230710	GW		10-Jul-2023 15:30	12-Jul-2023 10:50	☐
HS23070613-09	WG-1620-MW09-20230710	GW		10-Jul-2023 16:25	12-Jul-2023 10:50	☐
HS23070613-10	WG-1620-MW05-20230710	GW		10-Jul-2023 17:20	12-Jul-2023 10:50	☐
HS23070613-11	WG-1620-FB03-20230710	Water		10-Jul-2023 17:45	12-Jul-2023 10:50	☐
HS23070613-12	WG-1620-P11-20230711	GW		11-Jul-2023 07:35	12-Jul-2023 10:50	☐
HS23070613-13	WG-1620-MW40B-20230711	GW		11-Jul-2023 08:25	12-Jul-2023 10:50	☐
HS23070613-14	WG-1620-MW42B-20230711	GW		11-Jul-2023 09:15	12-Jul-2023 10:50	☐
HS23070613-15	WG-1620-MW20A-20230711	GW		11-Jul-2023 10:10	12-Jul-2023 10:50	☐
HS23070613-16	WG-1620-TB02-20230711	Water		11-Jul-2023 00:00	12-Jul-2023 10:50	☐

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW85C-20230710 Lab ID:HS23070613-01
Collection Date: 10-Jul-2023 08:35 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: PC
1,2-Dichloroethane	< 0.0010		0.0010	0.0050	mg/L	5	14-Jul-2023 02:07
Benzene	< 0.0010		0.0010	0.0050	mg/L	5	14-Jul-2023 02:07
Chlorobenzene	< 0.0015		0.0015	0.0050	mg/L	5	14-Jul-2023 02:07
Ethylbenzene	< 0.0015		0.0015	0.0050	mg/L	5	14-Jul-2023 02:07
Methylene chloride	< 0.0050		0.0050	0.010	mg/L	5	14-Jul-2023 02:07
Toluene	< 0.0010		0.0010	0.0050	mg/L	5	14-Jul-2023 02:07
Xylenes, Total	< 0.0015		0.0015	0.015	mg/L	5	14-Jul-2023 02:07
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*5*	*14-Jul-2023 02:07*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*5*	*14-Jul-2023 02:07*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*5*	*14-Jul-2023 02:07*
Surr: Toluene-d8	*97.7*			*82-127*	*%REC*	*5*	*14-Jul-2023 02:07*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW85C-20230710 Lab ID:HS23070613-01
Collection Date: 10-Jul-2023 08:35 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	24-Jul-2023 16:45
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	24-Jul-2023 16:45
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	24-Jul-2023 16:45
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	24-Jul-2023 16:45
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	24-Jul-2023 16:45
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	24-Jul-2023 16:45
2-Methylphenol	< 0.000045		0.000045	0.00020	mg/L	1	24-Jul-2023 16:45
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	24-Jul-2023 16:45
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	24-Jul-2023 16:45
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	24-Jul-2023 16:45
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	24-Jul-2023 16:45
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	24-Jul-2023 16:45
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	24-Jul-2023 16:45
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	24-Jul-2023 16:45
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	24-Jul-2023 16:45
Bis(2-ethylhexyl)phthalate	**0.000095**	J	**0.000037**	**0.00020**	**mg/L**	1	24-Jul-2023 16:45
Carbazole	< 0.000025		0.000025	0.00020	mg/L	1	24-Jul-2023 16:45
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	24-Jul-2023 16:45
Di-n-butyl phthalate	**0.00028**		**0.000020**	**0.00020**	**mg/L**	1	24-Jul-2023 16:45
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	24-Jul-2023 16:45
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	24-Jul-2023 16:45
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	24-Jul-2023 16:45
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	24-Jul-2023 16:45
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	24-Jul-2023 16:45
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	24-Jul-2023 16:45
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	24-Jul-2023 16:45
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	24-Jul-2023 16:45
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	24-Jul-2023 16:45
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	24-Jul-2023 16:45
Surr: 2,4,6-Tribromophenol	*69.4*			*34-129*	*%REC*	*1*	*24-Jul-2023 16:45*
Surr: 2-Fluorobiphenyl	*51.4*			*40-125*	*%REC*	*1*	*24-Jul-2023 16:45*
Surr: 2-Fluorophenol	*40.9*			*20-120*	*%REC*	*1*	*24-Jul-2023 16:45*
Surr: 4-Terphenyl-d14	*70.6*			*40-135*	*%REC*	*1*	*24-Jul-2023 16:45*
Surr: Nitrobenzene-d5	*48.3*			*41-120*	*%REC*	*1*	*24-Jul-2023 16:45*
Surr: Phenol-d6	*43.9*			*20-120*	*%REC*	*1*	*24-Jul-2023 16:45*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.0678**		**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 15:34

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW78A-20230710 Lab ID:HS23070613-02
Collection Date: 10-Jul-2023 09:30 Matrix:GW

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	14-Jul-2023 02:29
Benzene	**0.18**		**0.0010**	**0.0050**	**mg/L**	5	14-Jul-2023 02:52
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 02:29
Ethylbenzene	**0.18**		**0.00030**	**0.0010**	**mg/L**	1	14-Jul-2023 02:29
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2023 02:29
Toluene	**0.34**		**0.0010**	**0.0050**	**mg/L**	5	14-Jul-2023 02:52
Xylenes, Total	**0.49**		**0.00030**	**0.0030**	**mg/L**	1	14-Jul-2023 02:29
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*14-Jul-2023 02:29*
Surr: 1,2-Dichloroethane-d4	*100*			*70-126*	*%REC*	*5*	*14-Jul-2023 02:52*
Surr: 4-Bromofluorobenzene	*105*			*77-113*	*%REC*	*1*	*14-Jul-2023 02:29*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*5*	*14-Jul-2023 02:52*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*14-Jul-2023 02:29*
Surr: Dibromofluoromethane	*97.0*			*77-123*	*%REC*	*5*	*14-Jul-2023 02:52*
Surr: Toluene-d8	*95.6*			*82-127*	*%REC*	*1*	*14-Jul-2023 02:29*
Surr: Toluene-d8	*98.2*			*82-127*	*%REC*	*5*	*14-Jul-2023 02:52*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW78A-20230710 Lab ID:HS23070613-02
Collection Date: 10-Jul-2023 09:30 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	24-Jul-2023 17:06
2,4-Dimethylphenol	**0.98**		**0.0040**	**0.020**	**mg/L**	100	26-Jul-2023 20:01
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	24-Jul-2023 17:06
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	24-Jul-2023 17:06
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	24-Jul-2023 17:06
2-Methylnaphthalene	**0.26**		**0.0019**	**0.010**	**mg/L**	100	26-Jul-2023 20:01
2-Methylphenol	**0.23**		**0.0045**	**0.020**	**mg/L**	100	26-Jul-2023 20:01
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	24-Jul-2023 17:06
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	24-Jul-2023 17:06
Acenaphthene	**0.15**		**0.0027**	**0.010**	**mg/L**	100	26-Jul-2023 20:01
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	24-Jul-2023 17:06
Anthracene	**0.013**		**0.00014**	**0.0010**	**mg/L**	10	24-Jul-2023 17:06
Benz(a)anthracene	**0.0017**		**0.00050**	**0.0010**	**mg/L**	10	24-Jul-2023 17:06
Benzo(a)pyrene	**0.00073**	J	**0.00020**	**0.0010**	**mg/L**	10	24-Jul-2023 17:06
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	24-Jul-2023 17:06
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	24-Jul-2023 17:06
Carbazole	**0.24**		**0.0025**	**0.020**	**mg/L**	100	26-Jul-2023 20:01
Chrysene	**0.0014**		**0.00021**	**0.0010**	**mg/L**	10	24-Jul-2023 17:06
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	24-Jul-2023 17:06
Dibenzofuran	**0.091**		**0.00020**	**0.0010**	**mg/L**	10	24-Jul-2023 17:06
Fluoranthene	**0.017**		**0.00010**	**0.0010**	**mg/L**	10	24-Jul-2023 17:06
Fluorene	**0.074**		**0.00030**	**0.0010**	**mg/L**	10	24-Jul-2023 17:06
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	24-Jul-2023 17:06
Naphthalene	**4.4**		**0.020**	**0.10**	**mg/L**	1000	26-Jul-2023 20:22
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	24-Jul-2023 17:06
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	24-Jul-2023 17:06
Phenanthrene	**0.090**		**0.00021**	**0.0010**	**mg/L**	10	24-Jul-2023 17:06
Phenol	**0.0092**		**0.00035**	**0.0020**	**mg/L**	10	24-Jul-2023 17:06
Pyrene	**0.0067**		**0.00019**	**0.0010**	**mg/L**	10	24-Jul-2023 17:06
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*26-Jul-2023 20:22*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*26-Jul-2023 20:01*
Surr: 2,4,6-Tribromophenol	*78.8*			*34-129*	*%REC*	*10*	*24-Jul-2023 17:06*
Surr: 2-Fluorobiphenyl	*69.5*			*40-125*	*%REC*	*10*	*24-Jul-2023 17:06*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*26-Jul-2023 20:01*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*26-Jul-2023 20:22*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*26-Jul-2023 20:22*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*26-Jul-2023 20:01*
Surr: 2-Fluorophenol	*49.6*			*20-120*	*%REC*	*10*	*24-Jul-2023 17:06*
Surr: 4-Terphenyl-d14	*81.2*			*40-135*	*%REC*	*10*	*24-Jul-2023 17:06*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW78A-20230710 Lab ID:HS23070613-02
Collection Date: 10-Jul-2023 09:30 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 14-Jul-2023		Analyst: GEY
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*26-Jul-2023 20:01*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*26-Jul-2023 20:22*
Surr: Nitrobenzene-d5	*73.5*			*41-120*	*%REC*	*10*	*24-Jul-2023 17:06*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*26-Jul-2023 20:01*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*26-Jul-2023 20:22*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*26-Jul-2023 20:01*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*26-Jul-2023 20:22*
Surr: Phenol-d6	*61.9*			*20-120*	*%REC*	*10*	*24-Jul-2023 17:06*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.0332**		**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 15:36

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW79A-20230710 Lab ID:HS23070613-03
Collection Date: 10-Jul-2023 10:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: PC
1,2-Dichloroethane	**0.0049**	J	**0.0010**	**0.0050**	**mg/L**	5	14-Jul-2023 04:21
Benzene	< 0.0010		0.0010	0.0050	mg/L	5	14-Jul-2023 04:21
Chlorobenzene	< 0.0015		0.0015	0.0050	mg/L	5	14-Jul-2023 04:21
Ethylbenzene	**0.0025**	J	**0.0015**	**0.0050**	**mg/L**	5	14-Jul-2023 04:21
Methylene chloride	< 0.0050		0.0050	0.010	mg/L	5	14-Jul-2023 04:21
Toluene	< 0.0010		0.0010	0.0050	mg/L	5	14-Jul-2023 04:21
Xylenes, Total	**0.0053**	J	**0.0015**	**0.015**	**mg/L**	5	14-Jul-2023 04:21
Surr: 1,2-Dichloroethane-d4	*100.0*			*70-126*	*%REC*	*5*	*14-Jul-2023 04:21*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*5*	*14-Jul-2023 04:21*
Surr: Dibromofluoromethane	*97.1*			*77-123*	*%REC*	*5*	*14-Jul-2023 04:21*
Surr: Toluene-d8	*97.9*			*82-127*	*%REC*	*5*	*14-Jul-2023 04:21*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW79A-20230710 Lab ID:HS23070613-03
Collection Date: 10-Jul-2023 10:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	24-Jul-2023 17:27
2,4-Dimethylphenol	**0.0098**		**0.00040**	**0.0020**	**mg/L**	10	24-Jul-2023 17:27
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	24-Jul-2023 17:27
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	24-Jul-2023 17:27
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	24-Jul-2023 17:27
2-Methylnaphthalene	**0.0028**		**0.00019**	**0.0010**	**mg/L**	10	24-Jul-2023 17:27
2-Methylphenol	**0.0022**		**0.00045**	**0.0020**	**mg/L**	10	24-Jul-2023 17:27
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	24-Jul-2023 17:27
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	24-Jul-2023 17:27
Acenaphthene	**0.0065**		**0.00027**	**0.0010**	**mg/L**	10	24-Jul-2023 17:27
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	24-Jul-2023 17:27
Anthracene	**0.00067**	J	**0.00014**	**0.0010**	**mg/L**	10	24-Jul-2023 17:27
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	24-Jul-2023 17:27
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	24-Jul-2023 17:27
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	24-Jul-2023 17:27
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	24-Jul-2023 17:27
Carbazole	**0.011**		**0.00025**	**0.0020**	**mg/L**	10	24-Jul-2023 17:27
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	24-Jul-2023 17:27
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	24-Jul-2023 17:27
Dibenzofuran	**0.0025**		**0.00020**	**0.0010**	**mg/L**	10	24-Jul-2023 17:27
Fluoranthene	**0.00077**	J	**0.00010**	**0.0010**	**mg/L**	10	24-Jul-2023 17:27
Fluorene	**0.0044**		**0.00030**	**0.0010**	**mg/L**	10	24-Jul-2023 17:27
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	24-Jul-2023 17:27
Naphthalene	**0.040**		**0.00020**	**0.0010**	**mg/L**	10	24-Jul-2023 17:27
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	24-Jul-2023 17:27
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	24-Jul-2023 17:27
Phenanthrene	**0.0020**		**0.00021**	**0.0010**	**mg/L**	10	24-Jul-2023 17:27
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	24-Jul-2023 17:27
Pyrene	**0.00070**	J	**0.00019**	**0.0010**	**mg/L**	10	24-Jul-2023 17:27
Surr: 2,4,6-Tribromophenol	*26.1*	*JS*		*34-129*	*%REC*	*10*	*24-Jul-2023 17:27*
Surr: 2-Fluorobiphenyl	*68.1*			*40-125*	*%REC*	*10*	*24-Jul-2023 17:27*
Surr: 2-Fluorophenol	*44.2*			*20-120*	*%REC*	*10*	*24-Jul-2023 17:27*
Surr: 4-Terphenyl-d14	*81.4*			*40-135*	*%REC*	*10*	*24-Jul-2023 17:27*
Surr: Nitrobenzene-d5	*57.5*			*41-120*	*%REC*	*10*	*24-Jul-2023 17:27*
Surr: Phenol-d6	*41.7*			*20-120*	*%REC*	*10*	*24-Jul-2023 17:27*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000740**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 15:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW86C-20230710 Lab ID:HS23070613-04
Collection Date: 10-Jul-2023 11:15 Matrix:GW

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	14-Jul-2023 04:44
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 04:44
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 04:44
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 04:44
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2023 04:44
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 04:44
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	14-Jul-2023 04:44
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*1*	*14-Jul-2023 04:44*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*14-Jul-2023 04:44*
Surr: Dibromofluoromethane	*98.2*			*77-123*	*%REC*	*1*	*14-Jul-2023 04:44*
Surr: Toluene-d8	*99.0*			*82-127*	*%REC*	*1*	*14-Jul-2023 04:44*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW86C-20230710 Lab ID:HS23070613-04
Collection Date: 10-Jul-2023 11:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	24-Jul-2023 17:49
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	24-Jul-2023 17:49
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	24-Jul-2023 17:49
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	24-Jul-2023 17:49
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	24-Jul-2023 17:49
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	24-Jul-2023 17:49
2-Methylphenol	< 0.000045		0.000045	0.00020	mg/L	1	24-Jul-2023 17:49
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	24-Jul-2023 17:49
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	24-Jul-2023 17:49
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	24-Jul-2023 17:49
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	24-Jul-2023 17:49
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	24-Jul-2023 17:49
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	24-Jul-2023 17:49
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	24-Jul-2023 17:49
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	24-Jul-2023 17:49
Bis(2-ethylhexyl)phthalate	**0.000081**	J	**0.000037**	**0.00020**	**mg/L**	1	24-Jul-2023 17:49
Carbazole	< 0.000025		0.000025	0.00020	mg/L	1	24-Jul-2023 17:49
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	24-Jul-2023 17:49
Di-n-butyl phthalate	**0.00039**		**0.000020**	**0.00020**	**mg/L**	1	24-Jul-2023 17:49
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	24-Jul-2023 17:49
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	24-Jul-2023 17:49
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	24-Jul-2023 17:49
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	24-Jul-2023 17:49
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	24-Jul-2023 17:49
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	24-Jul-2023 17:49
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	24-Jul-2023 17:49
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	24-Jul-2023 17:49
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	24-Jul-2023 17:49
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	24-Jul-2023 17:49
Surr: 2,4,6-Tribromophenol	*64.2*			*34-129*	*%REC*	*1*	*24-Jul-2023 17:49*
Surr: 2-Fluorobiphenyl	*61.3*			*40-125*	*%REC*	*1*	*24-Jul-2023 17:49*
Surr: 2-Fluorophenol	*46.9*			*20-120*	*%REC*	*1*	*24-Jul-2023 17:49*
Surr: 4-Terphenyl-d14	*86.6*			*40-135*	*%REC*	*1*	*24-Jul-2023 17:49*
Surr: Nitrobenzene-d5	*55.0*			*41-120*	*%REC*	*1*	*24-Jul-2023 17:49*
Surr: Phenol-d6	*48.6*			*20-120*	*%REC*	*1*	*24-Jul-2023 17:49*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000539**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 15:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW64A-20230710 Lab ID:HS23070613-05
Collection Date: 10-Jul-2023 12:40 Matrix:GW

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	14-Jul-2023 05:06
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 05:06
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 05:06
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 05:06
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2023 05:06
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 05:06
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	14-Jul-2023 05:06
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*14-Jul-2023 05:06*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*14-Jul-2023 05:06*
Surr: Dibromofluoromethane	*99.8*			*77-123*	*%REC*	*1*	*14-Jul-2023 05:06*
Surr: Toluene-d8	*97.8*			*82-127*	*%REC*	*1*	*14-Jul-2023 05:06*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW64A-20230710 Lab ID:HS23070613-05
Collection Date: 10-Jul-2023 12:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 14-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	24-Jul-2023 18:10
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	24-Jul-2023 18:10
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	24-Jul-2023 18:10
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	24-Jul-2023 18:10
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	24-Jul-2023 18:10
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	24-Jul-2023 18:10
2-Methylphenol	< 0.000045		0.000045	0.00020	mg/L	1	24-Jul-2023 18:10
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	24-Jul-2023 18:10
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	24-Jul-2023 18:10
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	24-Jul-2023 18:10
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	24-Jul-2023 18:10
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	24-Jul-2023 18:10
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	24-Jul-2023 18:10
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	24-Jul-2023 18:10
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	24-Jul-2023 18:10
Bis(2-ethylhexyl)phthalate	**0.000062**	J	**0.000037**	**0.00020**	**mg/L**	1	24-Jul-2023 18:10
Carbazole	< 0.000025		0.000025	0.00020	mg/L	1	24-Jul-2023 18:10
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	24-Jul-2023 18:10
Di-n-butyl phthalate	**0.00028**		**0.000020**	**0.00020**	**mg/L**	1	24-Jul-2023 18:10
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	24-Jul-2023 18:10
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	24-Jul-2023 18:10
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	24-Jul-2023 18:10
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	24-Jul-2023 18:10
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	24-Jul-2023 18:10
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	24-Jul-2023 18:10
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	24-Jul-2023 18:10
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	24-Jul-2023 18:10
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	24-Jul-2023 18:10
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	24-Jul-2023 18:10
Surr: 2,4,6-Tribromophenol	*56.3*			*34-129*	*%REC*	*1*	*24-Jul-2023 18:10*
Surr: 2-Fluorobiphenyl	*63.8*			*40-125*	*%REC*	*1*	*24-Jul-2023 18:10*
Surr: 2-Fluorophenol	*49.5*			*20-120*	*%REC*	*1*	*24-Jul-2023 18:10*
Surr: 4-Terphenyl-d14	*81.6*			*40-135*	*%REC*	*1*	*24-Jul-2023 18:10*
Surr: Nitrobenzene-d5	*53.9*			*41-120*	*%REC*	*1*	*24-Jul-2023 18:10*
Surr: Phenol-d6	*50.5*			*20-120*	*%REC*	*1*	*24-Jul-2023 18:10*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000666**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 15:49

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW62B-20230710 Lab ID:HS23070613-06
Collection Date: 10-Jul-2023 13:40 Matrix:GW

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	14-Jul-2023 05:28
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 05:28
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 05:28
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 05:28
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2023 05:28
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 05:28
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	14-Jul-2023 05:28
Surr: 1,2-Dichloroethane-d4	*103*			*70-126*	*%REC*	*1*	*14-Jul-2023 05:28*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*14-Jul-2023 05:28*
Surr: Dibromofluoromethane	*98.6*			*77-123*	*%REC*	*1*	*14-Jul-2023 05:28*
Surr: Toluene-d8	*97.9*			*82-127*	*%REC*	*1*	*14-Jul-2023 05:28*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW62B-20230710 Lab ID:HS23070613-06
Collection Date: 10-Jul-2023 13:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 17-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 02:44
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2023 02:44
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2023 02:44
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2023 02:44
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 02:44
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 02:44
2-Methylphenol	< 0.000045		0.000045	0.00020	mg/L	1	26-Jul-2023 02:44
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	26-Jul-2023 02:44
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2023 02:44
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	26-Jul-2023 02:44
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2023 02:44
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	26-Jul-2023 02:44
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2023 02:44
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 02:44
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2023 02:44
Bis(2-ethylhexyl)phthalate	**0.000070**	J	**0.000037**	**0.00020**	**mg/L**	1	26-Jul-2023 02:44
Carbazole	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 02:44
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 02:44
Di-n-butyl phthalate	**0.00044**		**0.000020**	**0.00020**	**mg/L**	1	26-Jul-2023 02:44
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 02:44
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	26-Jul-2023 02:44
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	26-Jul-2023 02:44
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 02:44
Naphthalene	**0.000079**	J	**0.000020**	**0.00010**	**mg/L**	1	26-Jul-2023 02:44
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2023 02:44
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2023 02:44
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 02:44
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2023 02:44
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 02:44
Surr: 2,4,6-Tribromophenol	*66.3*			*34-129*	*%REC*	*1*	*26-Jul-2023 02:44*
Surr: 2-Fluorobiphenyl	*69.4*			*40-125*	*%REC*	*1*	*26-Jul-2023 02:44*
Surr: 2-Fluorophenol	*49.7*			*20-120*	*%REC*	*1*	*26-Jul-2023 02:44*
Surr: 4-Terphenyl-d14	*82.2*			*40-135*	*%REC*	*1*	*26-Jul-2023 02:44*
Surr: Nitrobenzene-d5	*54.1*			*41-120*	*%REC*	*1*	*26-Jul-2023 02:44*
Surr: Phenol-d6	*52.5*			*20-120*	*%REC*	*1*	*26-Jul-2023 02:44*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000558**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 15:51

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW03-20230710 Lab ID:HS23070613-07
Collection Date: 10-Jul-2023 14:35 Matrix:GW

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	14-Jul-2023 05:51
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 05:51
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 05:51
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 05:51
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2023 05:51
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 05:51
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	14-Jul-2023 05:51
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*14-Jul-2023 05:51*
Surr: 4-Bromofluorobenzene	*99.2*			*77-113*	*%REC*	*1*	*14-Jul-2023 05:51*
Surr: Dibromofluoromethane	*99.7*			*77-123*	*%REC*	*1*	*14-Jul-2023 05:51*
Surr: Toluene-d8	*98.1*			*82-127*	*%REC*	*1*	*14-Jul-2023 05:51*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW03-20230710 Lab ID:HS23070613-07
Collection Date: 10-Jul-2023 14:35 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 17-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 03:05
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2023 03:05
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2023 03:05
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2023 03:05
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 03:05
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 03:05
2-Methylphenol	< 0.000045		0.000045	0.00020	mg/L	1	26-Jul-2023 03:05
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	26-Jul-2023 03:05
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2023 03:05
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	26-Jul-2023 03:05
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2023 03:05
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	26-Jul-2023 03:05
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2023 03:05
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 03:05
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2023 03:05
Bis(2-ethylhexyl)phthalate	**0.000070**	J	**0.000037**	**0.00020**	**mg/L**	1	26-Jul-2023 03:05
Carbazole	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 03:05
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 03:05
Di-n-butyl phthalate	**0.00042**		**0.000020**	**0.00020**	**mg/L**	1	26-Jul-2023 03:05
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 03:05
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	26-Jul-2023 03:05
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	26-Jul-2023 03:05
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 03:05
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 03:05
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2023 03:05
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2023 03:05
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 03:05
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2023 03:05
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 03:05
Surr: 2,4,6-Tribromophenol	*63.5*			*34-129*	*%REC*	*1*	*26-Jul-2023 03:05*
Surr: 2-Fluorobiphenyl	*58.4*			*40-125*	*%REC*	*1*	*26-Jul-2023 03:05*
Surr: 2-Fluorophenol	*41.2*			*20-120*	*%REC*	*1*	*26-Jul-2023 03:05*
Surr: 4-Terphenyl-d14	*72.9*			*40-135*	*%REC*	*1*	*26-Jul-2023 03:05*
Surr: Nitrobenzene-d5	*45.6*			*41-120*	*%REC*	*1*	*26-Jul-2023 03:05*
Surr: Phenol-d6	*41.7*			*20-120*	*%REC*	*1*	*26-Jul-2023 03:05*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000631**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 15:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW04-20230710 Lab ID:HS23070613-08
Collection Date: 10-Jul-2023 15:30 Matrix:GW

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	14-Jul-2023 06:13
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 06:13
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 06:13
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 06:13
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2023 06:13
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 06:13
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	14-Jul-2023 06:13
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*14-Jul-2023 06:13*
Surr: 4-Bromofluorobenzene	*99.5*			*77-113*	*%REC*	*1*	*14-Jul-2023 06:13*
Surr: Dibromofluoromethane	*99.7*			*77-123*	*%REC*	*1*	*14-Jul-2023 06:13*
Surr: Toluene-d8	*99.1*			*82-127*	*%REC*	*1*	*14-Jul-2023 06:13*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW04-20230710 Lab ID:HS23070613-08
Collection Date: 10-Jul-2023 15:30 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 17-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 03:26
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2023 03:26
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2023 03:26
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2023 03:26
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 03:26
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 03:26
2-Methylphenol	< 0.000045		0.000045	0.00020	mg/L	1	26-Jul-2023 03:26
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	26-Jul-2023 03:26
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2023 03:26
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	26-Jul-2023 03:26
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2023 03:26
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	26-Jul-2023 03:26
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2023 03:26
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 03:26
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2023 03:26
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	26-Jul-2023 03:26
Carbazole	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 03:26
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 03:26
Di-n-butyl phthalate	**0.00013**	J	**0.000020**	**0.00020**	**mg/L**	1	26-Jul-2023 03:26
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 03:26
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	26-Jul-2023 03:26
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	26-Jul-2023 03:26
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 03:26
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 03:26
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2023 03:26
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2023 03:26
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 03:26
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2023 03:26
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 03:26
Surr: 2,4,6-Tribromophenol	*57.1*			*34-129*	*%REC*	*1*	*26-Jul-2023 03:26*
Surr: 2-Fluorobiphenyl	*57.9*			*40-125*	*%REC*	*1*	*26-Jul-2023 03:26*
Surr: 2-Fluorophenol	*43.1*			*20-120*	*%REC*	*1*	*26-Jul-2023 03:26*
Surr: 4-Terphenyl-d14	*81.0*			*40-135*	*%REC*	*1*	*26-Jul-2023 03:26*
Surr: Nitrobenzene-d5	*50.9*			*41-120*	*%REC*	*1*	*26-Jul-2023 03:26*
Surr: Phenol-d6	*42.4*			*20-120*	*%REC*	*1*	*26-Jul-2023 03:26*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000764**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 15:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW09-20230710 Lab ID:HS23070613-09
Collection Date: 10-Jul-2023 16:25 Matrix:GW

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	14-Jul-2023 06:36
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 06:36
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 06:36
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 06:36
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2023 06:36
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 06:36
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	14-Jul-2023 06:36
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*14-Jul-2023 06:36*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*14-Jul-2023 06:36*
Surr: Dibromofluoromethane	*98.7*			*77-123*	*%REC*	*1*	*14-Jul-2023 06:36*
Surr: Toluene-d8	*98.2*			*82-127*	*%REC*	*1*	*14-Jul-2023 06:36*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW09-20230710 Lab ID:HS23070613-09
Collection Date: 10-Jul-2023 16:25 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 17-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 03:47
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2023 03:47
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2023 03:47
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2023 03:47
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 03:47
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 03:47
2-Methylphenol	< 0.000045		0.000045	0.00020	mg/L	1	26-Jul-2023 03:47
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	26-Jul-2023 03:47
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2023 03:47
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	26-Jul-2023 03:47
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2023 03:47
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	26-Jul-2023 03:47
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2023 03:47
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 03:47
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2023 03:47
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	26-Jul-2023 03:47
Carbazole	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 03:47
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 03:47
Di-n-butyl phthalate	**0.00012**	J	**0.000020**	**0.00020**	**mg/L**	1	26-Jul-2023 03:47
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 03:47
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	26-Jul-2023 03:47
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	26-Jul-2023 03:47
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 03:47
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 03:47
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2023 03:47
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2023 03:47
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 03:47
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2023 03:47
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 03:47
Surr: 2,4,6-Tribromophenol	*86.0*			*34-129*	*%REC*	*1*	*26-Jul-2023 03:47*
Surr: 2-Fluorobiphenyl	*72.0*			*40-125*	*%REC*	*1*	*26-Jul-2023 03:47*
Surr: 2-Fluorophenol	*50.3*			*20-120*	*%REC*	*1*	*26-Jul-2023 03:47*
Surr: 4-Terphenyl-d14	*90.0*			*40-135*	*%REC*	*1*	*26-Jul-2023 03:47*
Surr: Nitrobenzene-d5	*51.5*			*41-120*	*%REC*	*1*	*26-Jul-2023 03:47*
Surr: Phenol-d6	*53.1*			*20-120*	*%REC*	*1*	*26-Jul-2023 03:47*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000923**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 15:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW05-20230710 Lab ID:HS23070613-10
Collection Date: 10-Jul-2023 17:20 Matrix:GW

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	14-Jul-2023 06:58
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 06:58
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 06:58
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 06:58
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2023 06:58
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 06:58
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	14-Jul-2023 06:58
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*14-Jul-2023 06:58*
Surr: 4-Bromofluorobenzene	*97.9*			*77-113*	*%REC*	*1*	*14-Jul-2023 06:58*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*14-Jul-2023 06:58*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*14-Jul-2023 06:58*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW05-20230710 Lab ID:HS23070613-10
Collection Date: 10-Jul-2023 17:20 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 17-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 04:08
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2023 04:08
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2023 04:08
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2023 04:08
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 04:08
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 04:08
2-Methylphenol	< 0.000045		0.000045	0.00020	mg/L	1	26-Jul-2023 04:08
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	26-Jul-2023 04:08
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2023 04:08
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	26-Jul-2023 04:08
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2023 04:08
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	26-Jul-2023 04:08
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2023 04:08
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 04:08
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2023 04:08
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	26-Jul-2023 04:08
Carbazole	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 04:08
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 04:08
Di-n-butyl phthalate	**0.00012**	J	**0.000020**	**0.00020**	**mg/L**	1	26-Jul-2023 04:08
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 04:08
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	26-Jul-2023 04:08
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	26-Jul-2023 04:08
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 04:08
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 04:08
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2023 04:08
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2023 04:08
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 04:08
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2023 04:08
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 04:08
Surr: 2,4,6-Tribromophenol	*79.6*			*34-129*	*%REC*	*1*	*26-Jul-2023 04:08*
Surr: 2-Fluorobiphenyl	*68.3*			*40-125*	*%REC*	*1*	*26-Jul-2023 04:08*
Surr: 2-Fluorophenol	*49.3*			*20-120*	*%REC*	*1*	*26-Jul-2023 04:08*
Surr: 4-Terphenyl-d14	*86.2*			*40-135*	*%REC*	*1*	*26-Jul-2023 04:08*
Surr: Nitrobenzene-d5	*54.6*			*41-120*	*%REC*	*1*	*26-Jul-2023 04:08*
Surr: Phenol-d6	*50.7*			*20-120*	*%REC*	*1*	*26-Jul-2023 04:08*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00969**		**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 15:58

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-FB03-20230710 Lab ID:HS23070613-11
Collection Date: 10-Jul-2023 17:45 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	14-Jul-2023 01:45
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 01:45
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 01:45
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 01:45
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2023 01:45
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 01:45
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	14-Jul-2023 01:45
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*14-Jul-2023 01:45*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*14-Jul-2023 01:45*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*14-Jul-2023 01:45*
Surr: Toluene-d8	*97.0*			*82-127*	*%REC*	*1*	*14-Jul-2023 01:45*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-FB03-20230710 Lab ID:HS23070613-11
Collection Date: 10-Jul-2023 17:45 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 17-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 04:29
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2023 04:29
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2023 04:29
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2023 04:29
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 04:29
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 04:29
2-Methylphenol	< 0.000045		0.000045	0.00020	mg/L	1	26-Jul-2023 04:29
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	26-Jul-2023 04:29
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2023 04:29
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	26-Jul-2023 04:29
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2023 04:29
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	26-Jul-2023 04:29
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2023 04:29
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 04:29
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2023 04:29
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	26-Jul-2023 04:29
Carbazole	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 04:29
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 04:29
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	26-Jul-2023 04:29
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 04:29
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	26-Jul-2023 04:29
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	26-Jul-2023 04:29
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 04:29
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 04:29
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2023 04:29
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2023 04:29
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 04:29
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2023 04:29
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 04:29
Surr: 2,4,6-Tribromophenol	*41.0*			*34-129*	*%REC*	*1*	*26-Jul-2023 04:29*
Surr: 2-Fluorobiphenyl	*74.9*			*40-125*	*%REC*	*1*	*26-Jul-2023 04:29*
Surr: 2-Fluorophenol	*56.4*			*20-120*	*%REC*	*1*	*26-Jul-2023 04:29*
Surr: 4-Terphenyl-d14	*72.8*			*40-135*	*%REC*	*1*	*26-Jul-2023 04:29*
Surr: Nitrobenzene-d5	*62.3*			*41-120*	*%REC*	*1*	*26-Jul-2023 04:29*
Surr: Phenol-d6	*56.5*			*20-120*	*%REC*	*1*	*26-Jul-2023 04:29*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	26-Jul-2023 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-P11-20230711 Lab ID:HS23070613-12
Collection Date: 11-Jul-2023 07:35 Matrix:GW

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	14-Jul-2023 07:20
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 07:20
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 07:20
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 07:20
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2023 07:20
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 07:20
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	14-Jul-2023 07:20
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*14-Jul-2023 07:20*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*14-Jul-2023 07:20*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*14-Jul-2023 07:20*
Surr: Toluene-d8	*98.2*			*82-127*	*%REC*	*1*	*14-Jul-2023 07:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-P11-20230711 Lab ID:HS23070613-12
Collection Date: 11-Jul-2023 07:35 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 17-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 04:50
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2023 04:50
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2023 04:50
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2023 04:50
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 04:50
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 04:50
2-Methylphenol	< 0.000045		0.000045	0.00020	mg/L	1	26-Jul-2023 04:50
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	26-Jul-2023 04:50
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2023 04:50
Acenaphthene	**0.00058**		**0.000027**	**0.00010**	**mg/L**	1	26-Jul-2023 04:50
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2023 04:50
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	26-Jul-2023 04:50
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2023 04:50
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 04:50
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2023 04:50
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	26-Jul-2023 04:50
Carbazole	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 04:50
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 04:50
Di-n-butyl phthalate	**0.000051**	J	**0.000020**	**0.00020**	**mg/L**	1	26-Jul-2023 04:50
Dibenzofuran	**0.00011**		**0.000020**	**0.00010**	**mg/L**	1	26-Jul-2023 04:50
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	26-Jul-2023 04:50
Fluorene	**0.000087**	J	**0.000030**	**0.00010**	**mg/L**	1	26-Jul-2023 04:50
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 04:50
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 04:50
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2023 04:50
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2023 04:50
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 04:50
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2023 04:50
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 04:50
Surr: 2,4,6-Tribromophenol	*59.5*			*34-129*	*%REC*	*1*	*26-Jul-2023 04:50*
Surr: 2-Fluorobiphenyl	*71.6*			*40-125*	*%REC*	*1*	*26-Jul-2023 04:50*
Surr: 2-Fluorophenol	*50.3*			*20-120*	*%REC*	*1*	*26-Jul-2023 04:50*
Surr: 4-Terphenyl-d14	*87.9*			*40-135*	*%REC*	*1*	*26-Jul-2023 04:50*
Surr: Nitrobenzene-d5	*55.8*			*41-120*	*%REC*	*1*	*26-Jul-2023 04:50*
Surr: Phenol-d6	*47.3*			*20-120*	*%REC*	*1*	*26-Jul-2023 04:50*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.0451**		**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 16:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW40B-20230711 Lab ID:HS23070613-13
Collection Date: 11-Jul-2023 08:25 Matrix:GW

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	14-Jul-2023 07:43
Benzene	**0.0079**		**0.00020**	**0.0010**	**mg/L**	1	14-Jul-2023 07:43
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 07:43
Ethylbenzene	**0.081**		**0.00030**	**0.0010**	**mg/L**	1	14-Jul-2023 07:43
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2023 07:43
Toluene	**0.013**		**0.00020**	**0.0010**	**mg/L**	1	14-Jul-2023 07:43
Xylenes, Total	**0.10**		**0.00030**	**0.0030**	**mg/L**	1	14-Jul-2023 07:43
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*14-Jul-2023 07:43*
Surr: 4-Bromofluorobenzene	*109*			*77-113*	*%REC*	*1*	*14-Jul-2023 07:43*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*14-Jul-2023 07:43*
Surr: Toluene-d8	*97.2*			*82-127*	*%REC*	*1*	*14-Jul-2023 07:43*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW40B-20230711 Lab ID:HS23070613-13
Collection Date: 11-Jul-2023 08:25 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 17-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 05:12
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2023 05:12
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2023 05:12
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2023 05:12
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 05:12
2-Methylnaphthalene	**0.14**		**0.019**	**0.10**	**mg/L**	1000	26-Jul-2023 21:05
2-Methylphenol	< 0.000045		0.000045	0.00020	mg/L	1	26-Jul-2023 05:12
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	26-Jul-2023 05:12
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2023 05:12
Acenaphthene	**0.17**		**0.027**	**0.10**	**mg/L**	1000	26-Jul-2023 21:05
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2023 05:12
Anthracene	**0.0056**		**0.000014**	**0.00010**	**mg/L**	1	26-Jul-2023 05:12
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2023 05:12
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 05:12
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2023 05:12
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	26-Jul-2023 05:12
Carbazole	**0.23**		**0.025**	**0.20**	**mg/L**	1000	26-Jul-2023 21:05
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 05:12
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	26-Jul-2023 05:12
Dibenzofuran	**0.083**		**0.00020**	**0.0010**	**mg/L**	10	26-Jul-2023 20:43
Fluoranthene	**0.0036**		**0.000010**	**0.00010**	**mg/L**	1	26-Jul-2023 05:12
Fluorene	**0.086**		**0.00030**	**0.0010**	**mg/L**	10	26-Jul-2023 20:43
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 05:12
Naphthalene	**2.2**		**0.020**	**0.10**	**mg/L**	1000	26-Jul-2023 21:05
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2023 05:12
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2023 05:12
Phenanthrene	**0.068**		**0.00021**	**0.0010**	**mg/L**	10	26-Jul-2023 20:43
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2023 05:12
Pyrene	**0.0011**		**0.000019**	**0.00010**	**mg/L**	1	26-Jul-2023 05:12
Surr: 2,4,6-Tribromophenol	*76.9*			*34-129*	*%REC*	*10*	*26-Jul-2023 20:43*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*26-Jul-2023 21:05*
Surr: 2,4,6-Tribromophenol	*87.4*			*34-129*	*%REC*	*1*	*26-Jul-2023 05:12*
Surr: 2-Fluorobiphenyl	*61.8*			*40-125*	*%REC*	*1*	*26-Jul-2023 05:12*
Surr: 2-Fluorobiphenyl	*80.8*			*40-125*	*%REC*	*10*	*26-Jul-2023 20:43*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*26-Jul-2023 21:05*
Surr: 2-Fluorophenol	*64.9*			*20-120*	*%REC*	*10*	*26-Jul-2023 20:43*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*26-Jul-2023 21:05*
Surr: 2-Fluorophenol	*54.9*			*20-120*	*%REC*	*1*	*26-Jul-2023 05:12*
Surr: 4-Terphenyl-d14	*70.5*			*40-135*	*%REC*	*1*	*26-Jul-2023 05:12*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW40B-20230711 Lab ID:HS23070613-13
Collection Date: 11-Jul-2023 08:25 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 17-Jul-2023		Analyst: GEY
Surr: 4-Terphenyl-d14	*106*			*40-135*	*%REC*	*10*	*26-Jul-2023 20:43*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*26-Jul-2023 21:05*
Surr: Nitrobenzene-d5	*82.0*			*41-120*	*%REC*	*10*	*26-Jul-2023 20:43*
Surr: Nitrobenzene-d5	*52.3*			*41-120*	*%REC*	*1*	*26-Jul-2023 05:12*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*26-Jul-2023 21:05*
Surr: Phenol-d6	*30.5*	*J*		*20-120*	*%REC*	*10*	*26-Jul-2023 20:43*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*26-Jul-2023 21:05*
Surr: Phenol-d6	*48.6*			*20-120*	*%REC*	*1*	*26-Jul-2023 05:12*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.0487**		**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 16:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW42B-20230711 Lab ID:HS23070613-14
Collection Date: 11-Jul-2023 09:15 Matrix:GW

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	14-Jul-2023 08:05
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 08:05
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 08:05
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 08:05
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2023 08:05
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 08:05
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	14-Jul-2023 08:05
Surr: 1,2-Dichloroethane-d4	*103*			*70-126*	*%REC*	*1*	*14-Jul-2023 08:05*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*14-Jul-2023 08:05*
Surr: Dibromofluoromethane	*99.4*			*77-123*	*%REC*	*1*	*14-Jul-2023 08:05*
Surr: Toluene-d8	*97.8*			*82-127*	*%REC*	*1*	*14-Jul-2023 08:05*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW42B-20230711 Lab ID:HS23070613-14
Collection Date: 11-Jul-2023 09:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 17-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 05:33
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2023 05:33
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2023 05:33
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2023 05:33
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 05:33
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 05:33
2-Methylphenol	< 0.000045		0.000045	0.00020	mg/L	1	26-Jul-2023 05:33
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	26-Jul-2023 05:33
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2023 05:33
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	26-Jul-2023 05:33
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	26-Jul-2023 05:33
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	26-Jul-2023 05:33
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2023 05:33
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 05:33
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2023 05:33
Bis(2-ethylhexyl)phthalate	**0.000071**	J	**0.000037**	**0.00020**	**mg/L**	1	26-Jul-2023 05:33
Carbazole	**0.00027**		**0.000025**	**0.00020**	**mg/L**	1	26-Jul-2023 05:33
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 05:33
Di-n-butyl phthalate	**0.000072**	J	**0.000020**	**0.00020**	**mg/L**	1	26-Jul-2023 05:33
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 05:33
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	26-Jul-2023 05:33
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	26-Jul-2023 05:33
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 05:33
Naphthalene	**0.00025**		**0.000020**	**0.00010**	**mg/L**	1	26-Jul-2023 05:33
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2023 05:33
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2023 05:33
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 05:33
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2023 05:33
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	26-Jul-2023 05:33
Surr: 2,4,6-Tribromophenol	*68.7*			*34-129*	*%REC*	*1*	*26-Jul-2023 05:33*
Surr: 2-Fluorobiphenyl	*67.3*			*40-125*	*%REC*	*1*	*26-Jul-2023 05:33*
Surr: 2-Fluorophenol	*44.2*			*20-120*	*%REC*	*1*	*26-Jul-2023 05:33*
Surr: 4-Terphenyl-d14	*77.0*			*40-135*	*%REC*	*1*	*26-Jul-2023 05:33*
Surr: Nitrobenzene-d5	*55.6*			*41-120*	*%REC*	*1*	*26-Jul-2023 05:33*
Surr: Phenol-d6	*48.9*			*20-120*	*%REC*	*1*	*26-Jul-2023 05:33*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00128**	J	**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 16:06

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW20A-20230711 Lab ID:HS23070613-15
Collection Date: 11-Jul-2023 10:10 Matrix:GW

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	14-Jul-2023 08:28
Benzene	**0.0075**		**0.00020**	**0.0010**	**mg/L**	1	14-Jul-2023 08:28
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 08:28
Ethylbenzene	**0.029**		**0.00030**	**0.0010**	**mg/L**	1	14-Jul-2023 08:28
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2023 08:28
Toluene	**0.0012**		**0.00020**	**0.0010**	**mg/L**	1	14-Jul-2023 08:28
Xylenes, Total	**0.028**		**0.00030**	**0.0030**	**mg/L**	1	14-Jul-2023 08:28
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*14-Jul-2023 08:28*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*1*	*14-Jul-2023 08:28*
Surr: Dibromofluoromethane	*99.9*			*77-123*	*%REC*	*1*	*14-Jul-2023 08:28*
Surr: Toluene-d8	*97.8*			*82-127*	*%REC*	*1*	*14-Jul-2023 08:28*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW20A-20230711 Lab ID:HS23070613-15
Collection Date: 11-Jul-2023 10:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 17-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 05:54
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	26-Jul-2023 05:54
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	26-Jul-2023 05:54
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	26-Jul-2023 05:54
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	26-Jul-2023 05:54
2-Methylnaphthalene	**0.11**		**0.0019**	**0.010**	**mg/L**	100	27-Jul-2023 23:17
2-Methylphenol	< 0.000045		0.000045	0.00020	mg/L	1	26-Jul-2023 05:54
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	26-Jul-2023 05:54
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	26-Jul-2023 05:54
Acenaphthene	**0.091**		**0.00027**	**0.0010**	**mg/L**	10	26-Jul-2023 21:26
Acenaphthylene	**0.00062**		**0.000015**	**0.00010**	**mg/L**	1	26-Jul-2023 05:54
Anthracene	**0.0034**		**0.000014**	**0.00010**	**mg/L**	1	26-Jul-2023 05:54
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	26-Jul-2023 05:54
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	26-Jul-2023 05:54
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	26-Jul-2023 05:54
Bis(2-ethylhexyl)phthalate	**0.00011**	J	**0.000037**	**0.00020**	**mg/L**	1	26-Jul-2023 05:54
Carbazole	**0.055**		**0.00025**	**0.0020**	**mg/L**	10	26-Jul-2023 21:26
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	26-Jul-2023 05:54
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	26-Jul-2023 05:54
Dibenzofuran	**0.057**		**0.00020**	**0.0010**	**mg/L**	10	26-Jul-2023 21:26
Fluoranthene	**0.00066**		**0.000010**	**0.00010**	**mg/L**	1	26-Jul-2023 05:54
Fluorene	**0.052**		**0.00030**	**0.0010**	**mg/L**	10	26-Jul-2023 21:26
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	26-Jul-2023 05:54
Naphthalene	**1.1**		**0.020**	**0.10**	**mg/L**	1000	31-Jul-2023 17:00
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	26-Jul-2023 05:54
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	26-Jul-2023 05:54
Phenanthrene	**0.024**		**0.00021**	**0.0010**	**mg/L**	10	26-Jul-2023 21:26
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	26-Jul-2023 05:54
Pyrene	**0.00033**		**0.000019**	**0.00010**	**mg/L**	1	26-Jul-2023 05:54
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*27-Jul-2023 23:17*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*31-Jul-2023 17:00*
Surr: 2,4,6-Tribromophenol	*67.6*			*34-129*	*%REC*	*10*	*26-Jul-2023 21:26*
Surr: 2,4,6-Tribromophenol	*82.3*			*34-129*	*%REC*	*1*	*26-Jul-2023 05:54*
Surr: 2-Fluorobiphenyl	*65.5*			*40-125*	*%REC*	*1*	*26-Jul-2023 05:54*
Surr: 2-Fluorobiphenyl	*81.8*			*40-125*	*%REC*	*10*	*26-Jul-2023 21:26*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*31-Jul-2023 17:00*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*27-Jul-2023 23:17*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*27-Jul-2023 23:17*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*31-Jul-2023 17:00*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-MW20A-20230711 Lab ID:HS23070613-15
Collection Date: 11-Jul-2023 10:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 17-Jul-2023		Analyst: GEY
Surr: 2-Fluorophenol	*54.4*			*20-120*	*%REC*	*10*	*26-Jul-2023 21:26*
Surr: 2-Fluorophenol	*53.7*			*20-120*	*%REC*	*1*	*26-Jul-2023 05:54*
Surr: 4-Terphenyl-d14	*83.5*			*40-135*	*%REC*	*1*	*26-Jul-2023 05:54*
Surr: 4-Terphenyl-d14	*99.3*			*40-135*	*%REC*	*10*	*26-Jul-2023 21:26*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*31-Jul-2023 17:00*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*27-Jul-2023 23:17*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*27-Jul-2023 23:17*
Surr: Nitrobenzene-d5	*74.6*			*41-120*	*%REC*	*10*	*26-Jul-2023 21:26*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*31-Jul-2023 17:00*
Surr: Nitrobenzene-d5	*59.1*			*41-120*	*%REC*	*1*	*26-Jul-2023 05:54*
Surr: Phenol-d6	*53.9*			*20-120*	*%REC*	*1*	*26-Jul-2023 05:54*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*31-Jul-2023 17:00*
Surr: Phenol-d6	*28.3*	*J*		*20-120*	*%REC*	*10*	*26-Jul-2023 21:26*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*27-Jul-2023 23:17*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00624**		**0.000400**	**0.00200**	**mg/L**	1	26-Jul-2023 16:15

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070613
Sample ID: WG-1620-TB02-20230711 Lab ID:HS23070613-16
Collection Date: 11-Jul-2023 00:00 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	14-Jul-2023 00:37
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 00:37
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 00:37
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	14-Jul-2023 00:37
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	14-Jul-2023 00:37
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	14-Jul-2023 00:37
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	14-Jul-2023 00:37
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*14-Jul-2023 00:37*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*14-Jul-2023 00:37*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*14-Jul-2023 00:37*
Surr: Toluene-d8	*98.4*			*82-127*	*%REC*	*1*	*14-Jul-2023 00:37*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

Batch ID: 197589 **Start Date:** 14 Jul 2023 11:18 **End Date:** 14 Jul 2023 11:18
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23070613-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070613-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070613-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070613-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070613-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 197691 **Start Date:** 17 Jul 2023 07:00 **End Date:** 17 Jul 2023 07:00
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23070613-06		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070613-07		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070613-08		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070613-09		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070613-10		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070613-11		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070613-12		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070613-13		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070613-14		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070613-15		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198056 **Start Date:** 26 Jul 2023 08:00 **End Date:** 26 Jul 2023 08:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23070613-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070613-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070613-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070613-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070613-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070613-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070613-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070613-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070613-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070613-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070613-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070613-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070613-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070613-14		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070613-15		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 197589 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS23070613-01	WG-1620-MW85C-20230710	10 Jul 2023 08:35		14 Jul 2023 11:18	24 Jul 2023 16:45	1
HS23070613-02	WG-1620-MW78A-20230710	10 Jul 2023 09:30		14 Jul 2023 11:18	26 Jul 2023 20:22	1000
HS23070613-02	WG-1620-MW78A-20230710	10 Jul 2023 09:30		14 Jul 2023 11:18	26 Jul 2023 20:01	100
HS23070613-02	WG-1620-MW78A-20230710	10 Jul 2023 09:30		14 Jul 2023 11:18	24 Jul 2023 17:06	10
HS23070613-03	WG-1620-MW79A-20230710	10 Jul 2023 10:15		14 Jul 2023 11:18	24 Jul 2023 17:27	10
HS23070613-04	WG-1620-MW86C-20230710	10 Jul 2023 11:15		14 Jul 2023 11:18	24 Jul 2023 17:49	1
HS23070613-05	WG-1620-MW64A-20230710	10 Jul 2023 12:40		14 Jul 2023 11:18	24 Jul 2023 18:10	1
Batch ID: 197691 (1)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS23070613-11	WG-1620-FB03-20230710	10 Jul 2023 17:45		17 Jul 2023 07:00	26 Jul 2023 04:29	1
Batch ID: 197691 (1)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS23070613-06	WG-1620-MW62B-20230710	10 Jul 2023 13:40		17 Jul 2023 07:00	26 Jul 2023 02:44	1
HS23070613-07	WG-1620-MW03-20230710	10 Jul 2023 14:35		17 Jul 2023 07:00	26 Jul 2023 03:05	1
HS23070613-08	WG-1620-MW04-20230710	10 Jul 2023 15:30		17 Jul 2023 07:00	26 Jul 2023 03:26	1
HS23070613-09	WG-1620-MW09-20230710	10 Jul 2023 16:25		17 Jul 2023 07:00	26 Jul 2023 03:47	1
HS23070613-10	WG-1620-MW05-20230710	10 Jul 2023 17:20		17 Jul 2023 07:00	26 Jul 2023 04:08	1
HS23070613-12	WG-1620-P11-20230711	11 Jul 2023 07:35		17 Jul 2023 07:00	26 Jul 2023 04:50	1
HS23070613-13	WG-1620-MW40B-20230711	11 Jul 2023 08:25		17 Jul 2023 07:00	26 Jul 2023 21:05	1000
HS23070613-13	WG-1620-MW40B-20230711	11 Jul 2023 08:25		17 Jul 2023 07:00	26 Jul 2023 20:43	10
HS23070613-13	WG-1620-MW40B-20230711	11 Jul 2023 08:25		17 Jul 2023 07:00	26 Jul 2023 05:12	1
HS23070613-14	WG-1620-MW42B-20230711	11 Jul 2023 09:15		17 Jul 2023 07:00	26 Jul 2023 05:33	1
HS23070613-15	WG-1620-MW20A-20230711	11 Jul 2023 10:10		17 Jul 2023 07:00	31 Jul 2023 17:00	1000
HS23070613-15	WG-1620-MW20A-20230711	11 Jul 2023 10:10		17 Jul 2023 07:00	27 Jul 2023 23:17	100
HS23070613-15	WG-1620-MW20A-20230711	11 Jul 2023 10:10		17 Jul 2023 07:00	26 Jul 2023 21:26	10
HS23070613-15	WG-1620-MW20A-20230711	11 Jul 2023 10:10		17 Jul 2023 07:00	26 Jul 2023 05:54	1
Batch ID: 198056 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS23070613-11	WG-1620-FB03-20230710	10 Jul 2023 17:45		26 Jul 2023 08:00	26 Jul 2023 16:00	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198056 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** GW	
HS23070613-01	WG-1620-MW85C-20230710	10 Jul 2023 08:35		26 Jul 2023 08:00	26 Jul 2023 15:34	1
HS23070613-02	WG-1620-MW78A-20230710	10 Jul 2023 09:30		26 Jul 2023 08:00	26 Jul 2023 15:36	1
HS23070613-03	WG-1620-MW79A-20230710	10 Jul 2023 10:15		26 Jul 2023 08:00	26 Jul 2023 15:39	1
HS23070613-04	WG-1620-MW86C-20230710	10 Jul 2023 11:15		26 Jul 2023 08:00	26 Jul 2023 15:47	1
HS23070613-05	WG-1620-MW64A-20230710	10 Jul 2023 12:40		26 Jul 2023 08:00	26 Jul 2023 15:49	1
HS23070613-06	WG-1620-MW62B-20230710	10 Jul 2023 13:40		26 Jul 2023 08:00	26 Jul 2023 15:51	1
HS23070613-07	WG-1620-MW03-20230710	10 Jul 2023 14:35		26 Jul 2023 08:00	26 Jul 2023 15:24	1
HS23070613-08	WG-1620-MW04-20230710	10 Jul 2023 15:30		26 Jul 2023 08:00	26 Jul 2023 15:53	1
HS23070613-09	WG-1620-MW09-20230710	10 Jul 2023 16:25		26 Jul 2023 08:00	26 Jul 2023 15:56	1
HS23070613-10	WG-1620-MW05-20230710	10 Jul 2023 17:20		26 Jul 2023 08:00	26 Jul 2023 15:58	1
HS23070613-12	WG-1620-P11-20230711	11 Jul 2023 07:35		26 Jul 2023 08:00	26 Jul 2023 16:02	1
HS23070613-13	WG-1620-MW40B-20230711	11 Jul 2023 08:25		26 Jul 2023 08:00	26 Jul 2023 16:04	1
HS23070613-14	WG-1620-MW42B-20230711	11 Jul 2023 09:15		26 Jul 2023 08:00	26 Jul 2023 16:06	1
HS23070613-15	WG-1620-MW20A-20230711	11 Jul 2023 10:10		26 Jul 2023 08:00	26 Jul 2023 16:15	1
Batch ID: R441321 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS23070613-11	WG-1620-FB03-20230710	10 Jul 2023 17:45			14 Jul 2023 01:45	1
HS23070613-16	WG-1620-TB02-20230711	11 Jul 2023 00:00			14 Jul 2023 00:37	1
Batch ID: R441321 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23070613-01	WG-1620-MW85C-20230710	10 Jul 2023 08:35			14 Jul 2023 02:07	5
HS23070613-02	WG-1620-MW78A-20230710	10 Jul 2023 09:30			14 Jul 2023 02:52	5
HS23070613-02	WG-1620-MW78A-20230710	10 Jul 2023 09:30			14 Jul 2023 02:29	1
HS23070613-03	WG-1620-MW79A-20230710	10 Jul 2023 10:15			14 Jul 2023 04:21	5
HS23070613-04	WG-1620-MW86C-20230710	10 Jul 2023 11:15			14 Jul 2023 04:44	1
HS23070613-05	WG-1620-MW64A-20230710	10 Jul 2023 12:40			14 Jul 2023 05:06	1
HS23070613-06	WG-1620-MW62B-20230710	10 Jul 2023 13:40			14 Jul 2023 05:28	1
HS23070613-07	WG-1620-MW03-20230710	10 Jul 2023 14:35			14 Jul 2023 05:51	1
HS23070613-08	WG-1620-MW04-20230710	10 Jul 2023 15:30			14 Jul 2023 06:13	1
HS23070613-09	WG-1620-MW09-20230710	10 Jul 2023 16:25			14 Jul 2023 06:36	1
HS23070613-10	WG-1620-MW05-20230710	10 Jul 2023 17:20			14 Jul 2023 06:58	1
HS23070613-12	WG-1620-P11-20230711	11 Jul 2023 07:35			14 Jul 2023 07:20	1
HS23070613-13	WG-1620-MW40B-20230711	11 Jul 2023 08:25			14 Jul 2023 07:43	1
HS23070613-14	WG-1620-MW42B-20230711	11 Jul 2023 09:15			14 Jul 2023 08:05	1
HS23070613-15	WG-1620-MW20A-20230711	11 Jul 2023 10:10			14 Jul 2023 08:28	1

WorkOrder: HS23070613
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	0.00137	0.000400	0.00200

WorkOrder: HS23070613
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	0.000073	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000059	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000064	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000084	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000078	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000039	0.000019	0.00010
A	2-Methylphenol	95-48-7	0.00010	0.000083	0.000045	0.00020
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000061	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000068	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000043	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000050	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000045	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000051	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000041	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000083	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000058	0.000037	0.00020
A	Carbazole	86-74-8	0.00010	0.000076	0.000025	0.00020
A	Chrysene	218-01-9	0.000050	0.000044	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000061	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.000039	0.000020	0.00010
A	Fluoranthene	206-44-0	0.000050	0.000047	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000047	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000060	0.000025	0.00020
A	Naphthalene	91-20-3	0.000050	0.000048	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000093	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000036	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000048	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000084	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: HS23070613
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	0.00058	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00053	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00056	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00045	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00097	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00053	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0012	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: 198056 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-198056** Units: **mg/L** Analysis Date: **26-Jul-2023 15:19**
Client ID: Run ID: **ICPMS06_442351** SeqNo: **7452960** PrepDate: **26-Jul-2023** 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-198056** Units: **mg/L** Analysis Date: **26-Jul-2023 15:22**
Client ID: Run ID: **ICPMS06_442351** SeqNo: **7452961** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04453	0.00200	0.05	0	89.1	80 - 120				

MS Sample ID: **HS23070613-07MS** Units: **mg/L** Analysis Date: **26-Jul-2023 15:28**
Client ID: **WG-1620-MW03-20230710** Run ID: **ICPMS06_442351** SeqNo: **7452964** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04548	0.00200	0.05	0.000631	89.7	80 - 120				

MSD Sample ID: **HS23070613-07MSD** Units: **mg/L** Analysis Date: **26-Jul-2023 15:30**
Client ID: **WG-1620-MW03-20230710** Run ID: **ICPMS06_442351** SeqNo: **7452965** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04609	0.00200	0.05	0.000631	90.9	80 - 120	0.04548	1.35	20	

PDS Sample ID: **HS23070613-07PDS** Units: **mg/L** Analysis Date: **26-Jul-2023 15:32**
Client ID: **WG-1620-MW03-20230710** Run ID: **ICPMS06_442351** SeqNo: **7452966** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09232	0.00200	0.1	0.000631	91.7	75 - 125				

SD Sample ID: **HS23070613-07SD** Units: **mg/L** Analysis Date: **26-Jul-2023 15:26**
Client ID: **WG-1620-MW03-20230710** Run ID: **ICPMS06_442351** SeqNo: **7452963** PrepDate: **26-Jul-2023** 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					0.000631	0	10	

The following samples were analyzed in this batch:

HS23070613-01	HS23070613-02	HS23070613-03	HS23070613-04
HS23070613-05	HS23070613-06	HS23070613-07	HS23070613-08
HS23070613-09	HS23070613-10	HS23070613-11	HS23070613-12
HS23070613-13	HS23070613-14	HS23070613-15	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: 197589 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-197589** Units: **ug/L** Analysis Date: **19-Jul-2023 10:14**
Client ID: Run ID: **SV-7_441732** SeqNo: **7437312** PrepDate: **14-Jul-2023** 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								
2-Methylphenol	< 0.045	0.20								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Carbazole	< 0.025	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	*3.836*	*0.20*	*5*	*0*	*76.7*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.142*	*0.20*	*5*	*0*	*82.8*	*40 - 125*				
Surr: 2-Fluorophenol	*2.979*	*0.20*	*5*	*0*	*59.6*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.295*	*0.20*	*5*	*0*	*85.9*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.665*	*0.20*	*5*	*0*	*73.3*	*41 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: 197589 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-197589** Units: **ug/L** Analysis Date: **19-Jul-2023 10:14**
Client ID: Run ID: **SV-7_441732** SeqNo: **7437312** PrepDate: **14-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: Phenol-d6	*3.444*	*0.20*	*5*	*0*	*68.9*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: 197589 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-197589** Units: **ug/L** Analysis Date: **19-Jul-2023 10:36**
Client ID: Run ID: **SV-7_441732** SeqNo: **7437313** PrepDate: **14-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.776	0.20	5	0	75.5	39 - 127				
2,4-Dimethylphenol	3.718	0.20	5	0	74.4	35 - 120				
2,4-Dinitrotoluene	4.223	0.20	5	0	84.5	50 - 122				
2,6-Dinitrotoluene	4.199	0.20	5	0	84.0	50 - 120				
2-Chloronaphthalene	4.058	0.20	5	0	81.2	50 - 120				
2-Methylnaphthalene	3.827	0.10	5	0	76.5	50 - 120				
2-Methylphenol	3.566	0.20	5	0	71.3	45 - 120				
4,6-Dinitro-2-methylphenol	4.744	1.0	5	0	94.9	25 - 121				
4-Nitrophenol	4.621	1.0	5	0	92.4	30 - 130				
Acenaphthene	3.637	0.10	5	0	72.7	45 - 120				
Acenaphthylene	3.807	0.10	5	0	76.1	47 - 120				
Anthracene	3.851	0.10	5	0	77.0	45 - 120				
Benz(a)anthracene	4.3	0.10	5	0	86.0	40 - 120				
Benzo(a)pyrene	4.588	0.10	5	0	91.8	45 - 120				
Bis(2-chloroethoxy)methane	3.605	0.20	5	0	72.1	45 - 120				
Bis(2-ethylhexyl)phthalate	4.943	0.20	5	0	98.9	40 - 139				
Carbazole	3.951	0.20	5	0	79.0	42 - 128				
Chrysene	3.862	0.10	5	0	77.2	43 - 120				
Dibenzofuran	3.69	0.10	5	0	73.8	50 - 120				
Di-n-butyl phthalate	4.313	0.20	5	0	86.3	45 - 123				
Fluoranthene	4.111	0.10	5	0	82.2	45 - 125				
Fluorene	3.733	0.10	5	0	74.7	49 - 120				
Naphthalene	3.589	0.10	5	0	71.8	45 - 120				
Nitrobenzene	3.381	0.20	5	0	67.6	44 - 120				
N-Nitrosodiphenylamine	3.642	0.20	5	0	72.8	40 - 125				
Pentachlorophenol	3.61	0.20	5	0	72.2	19 - 121				
Phenanthrene	3.754	0.10	5	0	75.1	45 - 121				
Phenol	3.719	0.20	5	0	74.4	20 - 124				
Pyrene	3.804	0.10	5	0	76.1	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.092*	*0.20*	*5*	*0*	*81.8*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.996*	*0.20*	*5*	*0*	*79.9*	*40 - 125*				
Surr: 2-Fluorophenol	*3.26*	*0.20*	*5*	*0*	*65.2*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.098*	*0.20*	*5*	*0*	*82.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.391*	*0.20*	*5*	*0*	*67.8*	*41 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: 197589 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-197589** Units: **ug/L** Analysis Date: **19-Jul-2023 10:36**
Client ID: Run ID: **SV-7_441732** SeqNo: **7437313** PrepDate: **14-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: Phenol-d6	*3.519*	*0.20*	*5*	*0*	*70.4*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: 197589 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-197589** Units: **ug/L** Analysis Date: **19-Jul-2023 11:41**
Client ID: Run ID: **SV-7_441732** SeqNo: **7437314** PrepDate: **14-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.777	0.20	5	0	75.5	39 - 127	3.776	0.0356	20	
2,4-Dimethylphenol	3.772	0.20	5	0	75.4	35 - 120	3.718	1.45	20	
2,4-Dinitrotoluene	4.33	0.20	5	0	86.6	50 - 122	4.223	2.52	20	
2,6-Dinitrotoluene	4.327	0.20	5	0	86.5	50 - 120	4.199	2.99	20	
2-Chloronaphthalene	4.861	0.20	5	0	97.2	50 - 120	4.058	18	20	
2-Methylnaphthalene	3.843	0.10	5	0	76.9	50 - 120	3.827	0.419	20	
2-Methylphenol	3.896	0.20	5	0	77.9	45 - 120	3.566	8.84	20	
4,6-Dinitro-2-methylphenol	5.214	1.0	5	0	104	25 - 121	4.744	9.43	30	
4-Nitrophenol	4.782	1.0	5	0	95.6	30 - 130	4.621	3.43	20	
Acenaphthene	3.783	0.10	5	0	75.7	45 - 120	3.637	3.95	20	
Acenaphthylene	3.908	0.10	5	0	78.2	47 - 120	3.807	2.61	20	
Anthracene	3.927	0.10	5	0	78.5	45 - 120	3.851	1.96	20	
Benz(a)anthracene	4.704	0.10	5	0	94.1	40 - 120	4.3	8.98	20	
Benzo(a)pyrene	5.242	0.10	5	0	105	45 - 120	4.588	13.3	20	
Bis(2-chloroethoxy)methane	3.622	0.20	5	0	72.4	45 - 120	3.605	0.493	20	
Bis(2-ethylhexyl)phthalate	5.28	0.20	5	0	106	40 - 139	4.943	6.6	20	
Carbazole	4.227	0.20	5	0	84.5	42 - 128	3.951	6.74	20	
Chrysene	4.071	0.10	5	0	81.4	43 - 120	3.862	5.28	20	
Dibenzofuran	3.796	0.10	5	0	75.9	50 - 120	3.69	2.84	20	
Di-n-butyl phthalate	4.414	0.20	5	0	88.3	45 - 123	4.313	2.33	20	
Fluoranthene	4.254	0.10	5	0	85.1	45 - 125	4.111	3.42	20	
Fluorene	3.772	0.10	5	0	75.4	49 - 120	3.733	1.04	20	
Naphthalene	3.488	0.10	5	0	69.8	45 - 120	3.589	2.84	20	
Nitrobenzene	3.317	0.20	5	0	66.3	44 - 120	3.381	1.92	20	
N-Nitrosodiphenylamine	3.82	0.20	5	0	76.4	40 - 125	3.642	4.75	20	
Pentachlorophenol	4.002	0.20	5	0	80.0	19 - 121	3.61	10.3	20	
Phenanthrene	3.897	0.10	5	0	77.9	45 - 121	3.754	3.74	20	
Phenol	4.018	0.20	5	0	80.4	20 - 124	3.719	7.72	20	
Pyrene	4.209	0.10	5	0	84.2	40 - 130	3.804	10.1	20	
Surr: 2,4,6-Tribromophenol	*4.235*	*0.20*	*5*	*0*	*84.7*	*34 - 129*	*4.092*	*3.43*	*20*	
Surr: 2-Fluorobiphenyl	*4.065*	*0.20*	*5*	*0*	*81.3*	*40 - 125*	*3.996*	*1.72*	*20*	
Surr: 2-Fluorophenol	*3.501*	*0.20*	*5*	*0*	*70.0*	*20 - 120*	*3.26*	*7.15*	*20*	
Surr: 4-Terphenyl-d14	*4.48*	*0.20*	*5*	*0*	*89.6*	*40 - 135*	*4.098*	*8.91*	*20*	
Surr: Nitrobenzene-d5	*3.377*	*0.20*	*5*	*0*	*67.5*	*41 - 120*	*3.391*	*0.422*	*20*	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: 197589 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-197589** Units: **ug/L** Analysis Date: **19-Jul-2023 11:41**
Client ID: Run ID: **SV-7_441732** SeqNo: **7437314** PrepDate: **14-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: Phenol-d6	*3.669*	*0.20*	*5*	*0*	*73.4*	*20 - 120*	*3.519*	*4.17*	*20*	

The following samples were analyzed in this batch: HS23070613-01 HS23070613-02 HS23070613-03 HS23070613-04 HS23070613-05

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: 197691 (1) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-197691** Units: **ug/L** Analysis Date: **31-Jul-2023 12:16**
Client ID: Run ID: **SV-7_442783** SeqNo: **7461961** PrepDate: **17-Jul-2023** 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								
2-Methylphenol	< 0.045	0.20								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Carbazole	< 0.025	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	*3.218*	*0.20*	*5*	*0*	*64.4*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.64*	*0.20*	*5*	*0*	*72.8*	*40 - 125*				
Surr: 2-Fluorophenol	*3.085*	*0.20*	*5*	*0*	*61.7*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.344*	*0.20*	*5*	*0*	*86.9*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.578*	*0.20*	*5*	*0*	*71.6*	*41 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: 197691 (1) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-197691** Units: **ug/L** Analysis Date: **31-Jul-2023 12:16**
Client ID: Run ID: **SV-7_442783** SeqNo: **7461961** PrepDate: **17-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: Phenol-d6	*2.873*	*0.20*	*5*	*0*	*57.5*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: 197691 (1) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-197691** Units: **ug/L** Analysis Date: **31-Jul-2023 14:07**
Client ID: Run ID: **SV-7_442783** SeqNo: **7461963** PrepDate: **17-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.676	0.20	5	0	73.5	39 - 127				
2,4-Dimethylphenol	3.215	0.20	5	0	64.3	35 - 120				
2,4-Dinitrotoluene	3.823	0.20	5	0	76.5	50 - 122				
2,6-Dinitrotoluene	3.554	0.20	5	0	71.1	50 - 120				
2-Chloronaphthalene	3.998	0.20	5	0	80.0	50 - 120				
2-Methylnaphthalene	3.261	0.10	5	0	65.2	50 - 120				
2-Methylphenol	3.137	0.20	5	0	62.7	45 - 120				
4,6-Dinitro-2-methylphenol	3.971	1.0	5	0	79.4	25 - 121				
4-Nitrophenol	3.608	1.0	5	0	72.2	30 - 130				
Acenaphthene	3.084	0.10	5	0	61.7	45 - 120				
Acenaphthylene	3.163	0.10	5	0	63.3	47 - 120				
Anthracene	3.451	0.10	5	0	69.0	45 - 120				
Benz(a)anthracene	3.556	0.10	5	0	71.1	40 - 120				
Benzo(a)pyrene	3.834	0.10	5	0	76.7	45 - 120				
Bis(2-chloroethoxy)methane	3.438	0.20	5	0	68.8	45 - 120				
Bis(2-ethylhexyl)phthalate	3.498	0.20	5	0	70.0	40 - 139				
Carbazole	3.902	0.20	5	0	78.0	42 - 128				
Chrysene	3.479	0.10	5	0	69.6	43 - 120				
Dibenzofuran	3.363	0.10	5	0	67.3	50 - 120				
Di-n-butyl phthalate	3.764	0.20	5	0	75.3	45 - 123				
Fluoranthene	3.571	0.10	5	0	71.4	45 - 125				
Fluorene	3.385	0.10	5	0	67.7	49 - 120				
Naphthalene	3.144	0.10	5	0	62.9	45 - 120				
Nitrobenzene	3.27	0.20	5	0	65.4	44 - 120				
N-Nitrosodiphenylamine	3.472	0.20	5	0	69.4	40 - 125				
Pentachlorophenol	4.261	0.20	5	0	85.2	19 - 121				
Phenanthrene	3.406	0.10	5	0	68.1	45 - 121				
Phenol	3.263	0.20	5	0	65.3	20 - 124				
Pyrene	3.32	0.10	5	0	66.4	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.765*	*0.20*	*5*	*0*	*75.3*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.42*	*0.20*	*5*	*0*	*68.4*	*40 - 125*				
Surr: 2-Fluorophenol	*3.129*	*0.20*	*5*	*0*	*62.6*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.962*	*0.20*	*5*	*0*	*79.2*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.653*	*0.20*	*5*	*0*	*73.1*	*41 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: 197691 (1) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-197691** Units: **ug/L** Analysis Date: **31-Jul-2023 14:07**
Client ID: Run ID: **SV-7_442783** SeqNo: **7461963** PrepDate: **17-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: Phenol-d6	*3.376*	*0.20*	*5*	*0*	*67.5*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: 197691 (1) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-197691** Units: **ug/L** Analysis Date: **31-Jul-2023 12:59**
Client ID: Run ID: **SV-7_442783** SeqNo: **7461962** PrepDate: **17-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.733	0.20	5	0	74.7	39 - 127	3.676	1.52	20	
2,4-Dimethylphenol	3.135	0.20	5	0	62.7	35 - 120	3.215	2.52	20	
2,4-Dinitrotoluene	3.676	0.20	5	0	73.5	50 - 122	3.823	3.92	20	
2,6-Dinitrotoluene	3.379	0.20	5	0	67.6	50 - 120	3.554	5.06	20	
2-Chloronaphthalene	3.299	0.20	5	0	66.0	50 - 120	3.998	19.2	20	
2-Methylnaphthalene	3.211	0.10	5	0	64.2	50 - 120	3.261	1.52	20	
2-Methylphenol	3.289	0.20	5	0	65.8	45 - 120	3.137	4.72	20	
4,6-Dinitro-2-methylphenol	3.384	1.0	5	0	67.7	25 - 121	3.971	16	30	
4-Nitrophenol	3.603	1.0	5	0	72.1	30 - 130	3.608	0.148	20	
Acenaphthene	3.134	0.10	5	0	62.7	45 - 120	3.084	1.59	20	
Acenaphthylene	3.177	0.10	5	0	63.5	47 - 120	3.163	0.456	20	
Anthracene	3.375	0.10	5	0	67.5	45 - 120	3.451	2.22	20	
Benz(a)anthracene	3.611	0.10	5	0	72.2	40 - 120	3.556	1.51	20	
Benzo(a)pyrene	3.632	0.10	5	0	72.6	45 - 120	3.834	5.42	20	
Bis(2-chloroethoxy)methane	3.358	0.20	5	0	67.2	45 - 120	3.438	2.35	20	
Bis(2-ethylhexyl)phthalate	3.654	0.20	5	0	73.1	40 - 139	3.498	4.36	20	
Carbazole	3.676	0.20	5	0	73.5	42 - 128	3.902	5.97	20	
Chrysene	3.783	0.10	5	0	75.7	43 - 120	3.479	8.37	20	
Dibenzofuran	3.328	0.10	5	0	66.6	50 - 120	3.363	1.04	20	
Di-n-butyl phthalate	3.614	0.20	5	0	72.3	45 - 123	3.764	4.07	20	
Fluoranthene	3.491	0.10	5	0	69.8	45 - 125	3.571	2.26	20	
Fluorene	3.4	0.10	5	0	68.0	49 - 120	3.385	0.445	20	
Naphthalene	3.045	0.10	5	0	60.9	45 - 120	3.144	3.19	20	
Nitrobenzene	3.189	0.20	5	0	63.8	44 - 120	3.27	2.51	20	
N-Nitrosodiphenylamine	3.296	0.20	5	0	65.9	40 - 125	3.472	5.21	20	
Pentachlorophenol	4.07	0.20	5	0	81.4	19 - 121	4.261	4.57	20	
Phenanthrene	3.331	0.10	5	0	66.6	45 - 121	3.406	2.23	20	
Phenol	3.29	0.20	5	0	65.8	20 - 124	3.263	0.815	20	
Pyrene	3.494	0.10	5	0	69.9	40 - 130	3.32	5.12	20	
Surr: 2,4,6-Tribromophenol	*3.153*	*0.20*	*5*	*0*	*63.1*	*34 - 129*	*3.765*	*17.7*	*20*	
Surr: 2-Fluorobiphenyl	*3.104*	*0.20*	*5*	*0*	*62.1*	*40 - 125*	*3.42*	*9.68*	*20*	
Surr: 2-Fluorophenol	*2.748*	*0.20*	*5*	*0*	*55.0*	*20 - 120*	*3.129*	*13*	*20*	
Surr: 4-Terphenyl-d14	*3.792*	*0.20*	*5*	*0*	*75.8*	*40 - 135*	*3.962*	*4.39*	*20*	
Surr: Nitrobenzene-d5	*3.216*	*0.20*	*5*	*0*	*64.3*	*41 - 120*	*3.653*	*12.7*	*20*	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: 197691 (1) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-197691** Units: **ug/L** Analysis Date: **31-Jul-2023 12:59**
Client ID: Run ID: **SV-7_442783** SeqNo: **7461962** PrepDate: **17-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: Phenol-d6	*3.002*	*0.20*	*5*	*0*	*60.0*	*20 - 120*	*3.376*	*11.8*	*20*	

The following samples were analyzed in this batch:

HS23070613-06	HS23070613-07	HS23070613-08	HS23070613-09
HS23070613-10	HS23070613-11	HS23070613-12	HS23070613-13
HS23070613-14	HS23070613-15		

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: R441321 (0) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230713** Units: **ug/L** Analysis Date: **13-Jul-2023 23:53**
Client ID: Run ID: **VOA9_441321** SeqNo: **7427492** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*52.48*	*1.0*	*50*	*0*	*105*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.18*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*50.77*	*1.0*	*50*	*0*	*102*	*73 - 126*				
Surr: Toluene-d8	*48.87*	*1.0*	*50*	*0*	*97.7*	*81 - 120*				

LCS Sample ID: **VLCSW-230713** Units: **ug/L** Analysis Date: **13-Jul-2023 23:08**
Client ID: Run ID: **VOA9_441321** SeqNo: **7427491** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	20.17	1.0	20	0	101	70 - 124				
Benzene	19.04	1.0	20	0	95.2	74 - 120				
Chlorobenzene	19.47	1.0	20	0	97.4	76 - 113				
Ethylbenzene	20.16	1.0	20	0	101	77 - 117				
Methylene chloride	20.56	2.0	20	0	103	70 - 127				
Toluene	18.58	1.0	20	0	92.9	77 - 118				
Xylenes, Total	61.97	3.0	60	0	103	75 - 122				
Surr: 1,2-Dichloroethane-d4	*51.75*	*1.0*	*50*	*0*	*104*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*52.76*	*1.0*	*50*	*0*	*106*	*77 - 113*				
Surr: Dibromofluoromethane	*51.48*	*1.0*	*50*	*0*	*103*	*73 - 126*				
Surr: Toluene-d8	*49.3*	*1.0*	*50*	*0*	*98.6*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070613

QC BATCH REPORT

Batch ID: R441321 (0) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23070613-02MS** Units: **ug/L** Analysis Date: **14-Jul-2023 03:14**
Client ID: **WG-1620-MW78A-20230710** Run ID: **VOA9_441321** SeqNo: **7427498** PrepDate: DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	105.8	5.0	100	0	106	70 - 127				
Benzene	275.1	5.0	100	180.6	94.4	70 - 127				
Chlorobenzene	104.4	5.0	100	0	104	70 - 114				
Ethylbenzene	257.4	5.0	100	160.5	96.8	70 - 124				
Methylene chloride	107	10	100	0	107	70 - 128				
Toluene	406.7	5.0	100	337.5	69.2	70 - 123				S
Xylenes, Total	762.7	15	300	436.4	109	70 - 130				
Surr: 1,2-Dichloroethane-d4	*245.1*	*5.0*	*250*	*0*	*98.0*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*262.7*	*5.0*	*250*	*0*	*105*	*77 - 113*				
Surr: Dibromofluoromethane	*244.5*	*5.0*	*250*	*0*	*97.8*	*77 - 123*				
Surr: Toluene-d8	*246.1*	*5.0*	*250*	*0*	*98.4*	*82 - 127*				

MSD Sample ID: **HS23070613-02MSD** Units: **ug/L** Analysis Date: **14-Jul-2023 03:36**
Client ID: **WG-1620-MW78A-20230710** Run ID: **VOA9_441321** SeqNo: **7427499** PrepDate: DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	103.5	5.0	100	0	103	70 - 127	105.8	2.27	20	
Benzene	266.8	5.0	100	180.6	86.1	70 - 127	275.1	3.07	20	
Chlorobenzene	102.3	5.0	100	0	102	70 - 114	104.4	2.08	20	
Ethylbenzene	248.3	5.0	100	160.5	87.7	70 - 124	257.4	3.61	20	
Methylene chloride	106	10	100	0	106	70 - 128	107	0.942	20	
Toluene	400.9	5.0	100	337.5	63.4	70 - 123	406.7	1.45	20	S
Xylenes, Total	732.1	15	300	436.4	98.6	70 - 130	762.7	4.09	20	
Surr: 1,2-Dichloroethane-d4	*239.2*	*5.0*	*250*	*0*	*95.7*	*70 - 126*	*245.1*	*2.43*	*20*	
Surr: 4-Bromofluorobenzene	*258.5*	*5.0*	*250*	*0*	*103*	*77 - 113*	*262.7*	*1.62*	*20*	
Surr: Dibromofluoromethane	*241.8*	*5.0*	*250*	*0*	*96.7*	*77 - 123*	*244.5*	*1.1*	*20*	
Surr: Toluene-d8	*248.9*	*5.0*	*250*	*0*	*99.6*	*82 - 127*	*246.1*	*1.16*	*20*	

The following samples were analyzed in this batch:

HS23070613-01	HS23070613-02	HS23070613-03	HS23070613-04
HS23070613-05	HS23070613-06	HS23070613-07	HS23070613-08
HS23070613-09	HS23070613-10	HS23070613-11	HS23070613-12
HS23070613-13	HS23070613-14	HS23070613-15	HS23070613-16

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: **HS23070613**

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	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23070613 **Date/Time Received:** **12-Jul-2023 10:50**

Client Name: PBW **Received by:** **Si Ma**

Completed By:	/S/ Ragen Giga	13-Jul-2023 10:40	**Reviewed by:**	/S/ Nieka.Carson	14-Jul-2023 09:54
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **GW** 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:295415/414
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):	2.2c , 2.4c , 3.5c , 2.9c	IR31
Cooler(s)/Kit(s):	48749/49159/51235/45489	
Date/Time sample(s) sent to storage:	07/12/2023 18:00	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes: FB03 (Field Blank ?) and Trip Blank listed as "GW" on COC - applied as "water" at sample login.

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: 295415

HS23070613

WSP Golder

Houston TX-Wood Preserving Works 1620-02

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@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-MW85C-20230710	7-10-23	0835	GW		6	X	X	X								
2	WG-1620-MW78A-20230710		0930	GW		6	X	X	X								
3	WG-1620-MW79A-20230710		1015	GW		6	X	X	X								
4	WG-1620-MW86C-20230710		1115	GW		6	X	X	X								
5	WG-1620-MW64A-20230710		1240	GW		6	X	X	X								
6	WG-1620-MW62B-20230710		1340	GW		6	X	X	X								
7	WG-1620-MW03-20230710		1435	GW		6	X	X	X								
8	WG-1620-MW04-20230710		1530	GW		6	X	X	X								
9	WG-1620-MW09-20230710		1625	GW		6	X	X	X								
10	WG-1620-MW05-20230710		1720	GW		6	X	X	X								

Sampler(s) Please Print & Sign: JOHN BRAYDY

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: 7-12-23	Time: 1050	Received by:	Notes: Houston TX-Wood Preserving Works 1620-02	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory): SM 07/12/23 10:50	48749	2-3
				49159	2.5
				51235	3.6
				45489	3.0

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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CLF-0.1

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

COC ID: 295414

HS23070613 WV

WSP Golder

Houston TX-Wood Preserving Works 1620-02

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_W As)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@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-FB03-20230710	7-10-23	1745	GW		6	X	X	X								
2	WG-1620-P11-20230711	7-11-23	0735	GW		6	X	X	X								
3	WG-1620-MW40B-20230711		0825	GW		6	X	X	X								
4	WG-1620-MW42B-20230711		0915	GW		6	X	X	X								
5	WG-1620-MW20A-20230711		1010	GW		6	X	X	X								
6	WG-1620-TB02-20230711					2	X										
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOHN BEAUDOIN

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: 7-12-23	Time: 1050	Received by:	Notes: Houston TX-Wood Preserving Works 1620-02	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory): SM 07/12/23 10:50		

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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10450 Stancliff Rd. Suite 210
Houston, TX 77099
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F: +1 281 530 5887

August 07, 2023

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS23070869**

Laboratory Results for: **Houston TX-Wood Preserving Works 1620-02**

Dear Eric Matzner,

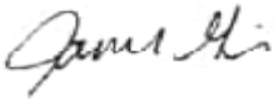
ALS Environmental received 15 sample(s) on Jul 13, 2023 for the analysis presented in the following report.

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
James Guin

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works 1620-02	
WorkOrder:	**HS23070869**	

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.

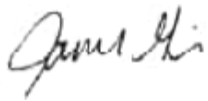
R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Golder
Project:	Houston TX-Wood Preserving Works 1620-02
WorkOrder:	**HS23070869**

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.



James Guin

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/07/2023					
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23070869					
Reviewer Name: James Guin			Prep Batch Number(s): 197708,198098,R441701,R441711,R441788					
#[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 affects on the sample results?	X				3
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/07/2023				
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23070869				
Reviewer Name: James Guin			Prep Batch Number(s): 197708,198098,R441701,R441711,R441788				
#[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: 08/07/2023
Project Name: Houston TX-Wood Preserving Works 1620-02	Laboratory Job Number: HS23070869
Reviewer Name: James Guin	Prep Batch Number(s): 197708,198098,R441701,R441711,R441788

ER#[5]	Description
1	Semivolatiles Method SW8270, samples WG-1620-MW17C-20230711, WG-1620-MW17-20230711, WG-1620-MW12A-20230712: The surrogate recoveries could not be determined due to dilution below the calibration range.
2	Batch R441701, Volatiles Method SW8260, sample HS23070792-38, MS and MSD were performed on unrelated sample.
3	Batch 197708, Semivolatiles Method SW8270, samples WG-1620-MW17C-20230711, WG-1620-MW17-20230711; The GCMS semi-volatile extract of these 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 1620-02
Work Order: HS23070869

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23070869-01	WG-1620-MW14-20230711	GW		11-Jul-2023 11:40	13-Jul-2023 10:55	☐
HS23070869-02	WG-1620-MW15B-20230711	GW		11-Jul-2023 12:30	13-Jul-2023 10:55	☐
HS23070869-03	WG-1620-MW15C-20230711	GW		11-Jul-2023 13:15	13-Jul-2023 10:55	☐
HS23070869-04	WG-1620-MW15A-20230711	GW		11-Jul-2023 14:10	13-Jul-2023 10:55	☐
HS23070869-05	WG-1620-MW17C-20230711	GW		11-Jul-2023 15:10	13-Jul-2023 10:55	☐
HS23070869-06	WG-1620-MW17-20230711	GW		11-Jul-2023 16:00	13-Jul-2023 10:55	☐
HS23070869-07	WG-1620-MW21C-20230711	GW		11-Jul-2023 17:20	13-Jul-2023 10:55	☐
HS23070869-08	WG-1620-FD01-20230711	GW		11-Jul-2023 17:20	13-Jul-2023 10:55	☐
HS23070869-09	WG-1620-FB04-20230711	Water		11-Jul-2023 17:50	13-Jul-2023 10:55	☐
HS23070869-10	WG-1620-MW88A-20230712	GW		12-Jul-2023 07:45	13-Jul-2023 10:55	☐
HS23070869-11	WG-1620-MW88B-20230712	GW		12-Jul-2023 08:40	13-Jul-2023 10:55	☐
HS23070869-12	WG-1620-MW88C-20230712	GW		12-Jul-2023 09:30	13-Jul-2023 10:55	☐
HS23070869-13	WG-1620-MW12C-20230712	GW		12-Jul-2023 10:25	13-Jul-2023 10:55	☐
HS23070869-14	WG-1620-MW12A-20230712	GW		12-Jul-2023 12:10	13-Jul-2023 10:55	☐
HS23070869-15	WG-1620-TB03-20230712	Water		12-Jul-2023 00:00	13-Jul-2023 10:55	☐

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW14-20230711 Lab ID:HS23070869-01
Collection Date: 11-Jul-2023 11:40 Matrix:GW

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	18-Jul-2023 18:54
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	18-Jul-2023 18:54
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	18-Jul-2023 18:54
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	18-Jul-2023 18:54
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	18-Jul-2023 18:54
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	18-Jul-2023 18:54
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	18-Jul-2023 18:54
Surr: 1,2-Dichloroethane-d4	*96.8*			*70-126*	*%REC*	*1*	*18-Jul-2023 18:54*
Surr: 4-Bromofluorobenzene	*97.6*			*77-113*	*%REC*	*1*	*18-Jul-2023 18:54*
Surr: Dibromofluoromethane	*98.1*			*77-123*	*%REC*	*1*	*18-Jul-2023 18:54*
Surr: Toluene-d8	*100.0*			*82-127*	*%REC*	*1*	*18-Jul-2023 18:54*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW14-20230711
Collection Date: 11-Jul-2023 11:40

ANALYTICAL REPORT
WorkOrder:HS23070869
Lab ID:HS23070869-01
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 16:59
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2023 16:59
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2023 16:59
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2023 16:59
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 16:59
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2023 16:59
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	01-Aug-2023 16:59
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2023 16:59
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2023 16:59
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2023 16:59
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2023 16:59
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2023 16:59
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 16:59
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2023 16:59
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2023 16:59
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 16:59
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2023 16:59
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 16:59
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2023 16:59
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2023 16:59
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2023 16:59
Naphthalene	**0.000090**	J	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2023 16:59
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2023 16:59
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2023 16:59
Phenanthrene	**0.000032**	J	**0.000021**	**0.00010**	**mg/L**	1	01-Aug-2023 16:59
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2023 16:59
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2023 16:59
Surr: 2,4,6-Tribromophenol	*67.8*			*34-129*	*%REC*	*1*	*01-Aug-2023 16:59*
Surr: 2-Fluorobiphenyl	*81.3*			*40-125*	*%REC*	*1*	*01-Aug-2023 16:59*
Surr: 2-Fluorophenol	*57.5*			*20-120*	*%REC*	*1*	*01-Aug-2023 16:59*
Surr: 4-Terphenyl-d14	*93.1*			*40-135*	*%REC*	*1*	*01-Aug-2023 16:59*
Surr: Nitrobenzene-d5	*73.7*			*41-120*	*%REC*	*1*	*01-Aug-2023 16:59*
Surr: Phenol-d6	*67.9*			*20-120*	*%REC*	*1*	*01-Aug-2023 16:59*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00125**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 13:35

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW15B-20230711 Lab ID:HS23070869-02
Collection Date: 11-Jul-2023 12:30 Matrix:GW

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	18-Jul-2023 19:16
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	18-Jul-2023 19:16
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	18-Jul-2023 19:16
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	18-Jul-2023 19:16
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	18-Jul-2023 19:16
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	18-Jul-2023 19:16
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	18-Jul-2023 19:16
Surr: 1,2-Dichloroethane-d4	*97.2*			*70-126*	*%REC*	*1*	*18-Jul-2023 19:16*
Surr: 4-Bromofluorobenzene	*97.7*			*77-113*	*%REC*	*1*	*18-Jul-2023 19:16*
Surr: Dibromofluoromethane	*99.4*			*77-123*	*%REC*	*1*	*18-Jul-2023 19:16*
Surr: Toluene-d8	*99.6*			*82-127*	*%REC*	*1*	*18-Jul-2023 19:16*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW15B-20230711 Lab ID:HS23070869-02
Collection Date: 11-Jul-2023 12:30 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 17:22
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2023 17:22
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2023 17:22
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2023 17:22
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 17:22
2-Methylnaphthalene	**0.000076**	J	**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2023 17:22
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	01-Aug-2023 17:22
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2023 17:22
Acenaphthene	**0.012**		**0.00027**	**0.0010**	**mg/L**	10	04-Aug-2023 21:41
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2023 17:22
Anthracene	**0.00064**		**0.000014**	**0.00010**	**mg/L**	1	01-Aug-2023 17:22
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2023 17:22
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 17:22
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2023 17:22
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2023 17:22
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 17:22
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2023 17:22
Dibenzofuran	**0.0021**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2023 17:22
Fluoranthene	**0.0027**		**0.000010**	**0.00010**	**mg/L**	1	01-Aug-2023 17:22
Fluorene	**0.0030**		**0.000030**	**0.00010**	**mg/L**	1	01-Aug-2023 17:22
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2023 17:22
Naphthalene	**0.00061**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2023 17:22
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2023 17:22
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2023 17:22
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 17:22
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2023 17:22
Pyrene	**0.0014**		**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2023 17:22
Surr: 2,4,6-Tribromophenol	*75.1*			*34-129*	*%REC*	*1*	*01-Aug-2023 17:22*
Surr: 2,4,6-Tribromophenol	*84.1*			*34-129*	*%REC*	*10*	*04-Aug-2023 21:41*
Surr: 2-Fluorobiphenyl	*69.2*			*40-125*	*%REC*	*10*	*04-Aug-2023 21:41*
Surr: 2-Fluorobiphenyl	*65.4*			*40-125*	*%REC*	*1*	*01-Aug-2023 17:22*
Surr: 2-Fluorophenol	*47.0*			*20-120*	*%REC*	*1*	*01-Aug-2023 17:22*
Surr: 2-Fluorophenol	*47.0*			*20-120*	*%REC*	*10*	*04-Aug-2023 21:41*
Surr: 4-Terphenyl-d14	*95.9*			*40-135*	*%REC*	*10*	*04-Aug-2023 21:41*
Surr: 4-Terphenyl-d14	*83.5*			*40-135*	*%REC*	*1*	*01-Aug-2023 17:22*
Surr: Nitrobenzene-d5	*55.5*			*41-120*	*%REC*	*1*	*01-Aug-2023 17:22*
Surr: Nitrobenzene-d5	*49.3*			*41-120*	*%REC*	*10*	*04-Aug-2023 21:41*
Surr: Phenol-d6	*55.0*			*20-120*	*%REC*	*10*	*04-Aug-2023 21:41*
Surr: Phenol-d6	*56.2*			*20-120*	*%REC*	*1*	*01-Aug-2023 17:22*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW15B-20230711 Lab ID:HS23070869-02
Collection Date: 11-Jul-2023 12:30 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.0113**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 13:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW15C-20230711 Lab ID:HS23070869-03
Collection Date: 11-Jul-2023 13:15 Matrix:GW

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	18-Jul-2023 19:37
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	18-Jul-2023 19:37
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	18-Jul-2023 19:37
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	18-Jul-2023 19:37
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	18-Jul-2023 19:37
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	18-Jul-2023 19:37
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	18-Jul-2023 19:37
Surr: 1,2-Dichloroethane-d4	*96.3*			*70-126*	*%REC*	*1*	*18-Jul-2023 19:37*
Surr: 4-Bromofluorobenzene	*97.6*			*77-113*	*%REC*	*1*	*18-Jul-2023 19:37*
Surr: Dibromofluoromethane	*98.9*			*77-123*	*%REC*	*1*	*18-Jul-2023 19:37*
Surr: Toluene-d8	*99.2*			*82-127*	*%REC*	*1*	*18-Jul-2023 19:37*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW15C-20230711
Collection Date: 11-Jul-2023 13:15

ANALYTICAL REPORT
WorkOrder:HS23070869
Lab ID:HS23070869-03
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 17:45
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2023 17:45
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2023 17:45
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2023 17:45
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 17:45
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2023 17:45
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	01-Aug-2023 17:45
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2023 17:45
Acenaphthene	**0.0018**		**0.000027**	**0.00010**	**mg/L**	1	01-Aug-2023 17:45
Acenaphthylene	**0.00012**		**0.000015**	**0.00010**	**mg/L**	1	01-Aug-2023 17:45
Anthracene	**0.000098**	J	**0.000014**	**0.00010**	**mg/L**	1	01-Aug-2023 17:45
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2023 17:45
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 17:45
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2023 17:45
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2023 17:45
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 17:45
Di-n-butyl phthalate	**0.00011**	J	**0.000020**	**0.00020**	**mg/L**	1	01-Aug-2023 17:45
Dibenzofuran	**0.00069**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2023 17:45
Fluoranthene	**0.00037**		**0.000010**	**0.00010**	**mg/L**	1	01-Aug-2023 17:45
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2023 17:45
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2023 17:45
Naphthalene	**0.0010**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2023 17:45
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2023 17:45
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2023 17:45
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 17:45
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2023 17:45
Pyrene	**0.00038**		**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2023 17:45
Surr: 2,4,6-Tribromophenol	*72.0*			*34-129*	*%REC*	*1*	*01-Aug-2023 17:45*
Surr: 2-Fluorobiphenyl	*63.1*			*40-125*	*%REC*	*1*	*01-Aug-2023 17:45*
Surr: 2-Fluorophenol	*53.8*			*20-120*	*%REC*	*1*	*01-Aug-2023 17:45*
Surr: 4-Terphenyl-d14	*87.8*			*40-135*	*%REC*	*1*	*01-Aug-2023 17:45*
Surr: Nitrobenzene-d5	*57.2*			*41-120*	*%REC*	*1*	*01-Aug-2023 17:45*
Surr: Phenol-d6	*59.9*			*20-120*	*%REC*	*1*	*01-Aug-2023 17:45*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000801**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 13:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW15A-20230711 Lab ID:HS23070869-04
Collection Date: 11-Jul-2023 14:10 Matrix:GW

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	18-Jul-2023 19:59
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	18-Jul-2023 19:59
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	18-Jul-2023 19:59
Ethylbenzene	**0.00064**	J	**0.00030**	**0.0010**	**mg/L**	1	18-Jul-2023 19:59
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	18-Jul-2023 19:59
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	18-Jul-2023 19:59
Xylenes, Total	**0.0064**		**0.00030**	**0.0030**	**mg/L**	1	18-Jul-2023 19:59
Surr: 1,2-Dichloroethane-d4	*95.6*			*70-126*	*%REC*	*1*	*18-Jul-2023 19:59*
Surr: 4-Bromofluorobenzene	*97.6*			*77-113*	*%REC*	*1*	*18-Jul-2023 19:59*
Surr: Dibromofluoromethane	*99.1*			*77-123*	*%REC*	*1*	*18-Jul-2023 19:59*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*18-Jul-2023 19:59*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW15A-20230711 Lab ID:HS23070869-04
Collection Date: 11-Jul-2023 14:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 18:08
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2023 18:08
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2023 18:08
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2023 18:08
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 18:08
2-Methylnaphthalene	**0.013**		**0.00019**	**0.0010**	**mg/L**	10	03-Aug-2023 19:29
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	01-Aug-2023 18:08
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2023 18:08
Acenaphthene	**0.043**		**0.00027**	**0.0010**	**mg/L**	10	03-Aug-2023 19:29
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2023 18:08
Anthracene	**0.0014**		**0.000014**	**0.00010**	**mg/L**	1	01-Aug-2023 18:08
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2023 18:08
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 18:08
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2023 18:08
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2023 18:08
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 18:08
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2023 18:08
Dibenzofuran	**0.011**		**0.00020**	**0.0010**	**mg/L**	10	03-Aug-2023 19:29
Fluoranthene	**0.0011**		**0.000010**	**0.00010**	**mg/L**	1	01-Aug-2023 18:08
Fluorene	**0.019**		**0.00030**	**0.0010**	**mg/L**	10	03-Aug-2023 19:29
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2023 18:08
Naphthalene	**0.040**		**0.00020**	**0.0010**	**mg/L**	10	03-Aug-2023 19:29
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2023 18:08
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2023 18:08
Phenanthrene	**0.0063**		**0.000021**	**0.00010**	**mg/L**	1	01-Aug-2023 18:08
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2023 18:08
Pyrene	**0.00042**		**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2023 18:08
Surr: 2,4,6-Tribromophenol	*68.5*			*34-129*	*%REC*	*1*	*01-Aug-2023 18:08*
Surr: 2,4,6-Tribromophenol	*55.1*			*34-129*	*%REC*	*10*	*03-Aug-2023 19:29*
Surr: 2-Fluorobiphenyl	*50.7*			*40-125*	*%REC*	*10*	*03-Aug-2023 19:29*
Surr: 2-Fluorobiphenyl	*53.3*			*40-125*	*%REC*	*1*	*01-Aug-2023 18:08*
Surr: 2-Fluorophenol	*44.6*			*20-120*	*%REC*	*1*	*01-Aug-2023 18:08*
Surr: 2-Fluorophenol	*40.0*	*J*		*20-120*	*%REC*	*10*	*03-Aug-2023 19:29*
Surr: 4-Terphenyl-d14	*76.7*			*40-135*	*%REC*	*10*	*03-Aug-2023 19:29*
Surr: 4-Terphenyl-d14	*74.4*			*40-135*	*%REC*	*1*	*01-Aug-2023 18:08*
Surr: Nitrobenzene-d5	*49.8*			*41-120*	*%REC*	*1*	*01-Aug-2023 18:08*
Surr: Nitrobenzene-d5	*41.9*			*41-120*	*%REC*	*10*	*03-Aug-2023 19:29*
Surr: Phenol-d6	*44.5*			*20-120*	*%REC*	*10*	*03-Aug-2023 19:29*
Surr: Phenol-d6	*49.6*			*20-120*	*%REC*	*1*	*01-Aug-2023 18:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW15A-20230711 Lab ID:HS23070869-04
Collection Date: 11-Jul-2023 14:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.0230**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 13:45

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW17C-20230711 Lab ID:HS23070869-05
Collection Date: 11-Jul-2023 15:10 Matrix:GW

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	18-Jul-2023 20:20
Benzene	**0.013**		**0.00020**	**0.0010**	**mg/L**	1	18-Jul-2023 20:20
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	18-Jul-2023 20:20
Ethylbenzene	**0.16**		**0.00030**	**0.0010**	**mg/L**	1	18-Jul-2023 20:20
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	18-Jul-2023 20:20
Toluene	**0.0037**		**0.00020**	**0.0010**	**mg/L**	1	18-Jul-2023 20:20
Vinyl chloride	< 0.00020		0.00020	0.0010	mg/L	1	18-Jul-2023 20:20
Xylenes, Total	**0.075**		**0.00030**	**0.0030**	**mg/L**	1	18-Jul-2023 20:20
Surr: 1,2-Dichloroethane-d4	*95.0*			*70-126*	*%REC*	*1*	*18-Jul-2023 20:20*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*18-Jul-2023 20:20*
Surr: Dibromofluoromethane	*98.8*			*77-123*	*%REC*	*1*	*18-Jul-2023 20:20*
Surr: Toluene-d8	*99.0*			*82-127*	*%REC*	*1*	*18-Jul-2023 20:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW17C-20230711 Lab ID:HS23070869-05
Collection Date: 11-Jul-2023 15:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	03-Aug-2023 19:52
2,4-Dimethylphenol	< 0.0040		0.0040	0.020	mg/L	100	03-Aug-2023 19:52
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	03-Aug-2023 19:52
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	03-Aug-2023 19:52
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	03-Aug-2023 19:52
2-Methylnaphthalene	**0.069**		**0.0019**	**0.010**	**mg/L**	100	03-Aug-2023 19:52
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	03-Aug-2023 19:52
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	03-Aug-2023 19:52
Acenaphthene	**0.095**		**0.0027**	**0.010**	**mg/L**	100	03-Aug-2023 19:52
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	03-Aug-2023 19:52
Anthracene	**0.0053**	J	**0.0014**	**0.010**	**mg/L**	100	03-Aug-2023 19:52
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	03-Aug-2023 19:52
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	03-Aug-2023 19:52
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	03-Aug-2023 19:52
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	03-Aug-2023 19:52
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	03-Aug-2023 19:52
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	03-Aug-2023 19:52
Dibenzofuran	**0.083**		**0.0020**	**0.010**	**mg/L**	100	03-Aug-2023 19:52
Fluoranthene	**0.0028**	J	**0.0010**	**0.010**	**mg/L**	100	03-Aug-2023 19:52
Fluorene	**0.046**		**0.0030**	**0.010**	**mg/L**	100	03-Aug-2023 19:52
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	03-Aug-2023 19:52
Naphthalene	**2.9**		**0.020**	**0.10**	**mg/L**	1000	04-Aug-2023 13:20
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	03-Aug-2023 19:52
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	03-Aug-2023 19:52
Phenanthrene	**0.047**		**0.0021**	**0.010**	**mg/L**	100	03-Aug-2023 19:52
Phenol	< 0.0035		0.0035	0.020	mg/L	100	03-Aug-2023 19:52
Pyrene	< 0.0019		0.0019	0.010	mg/L	100	03-Aug-2023 19:52
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*03-Aug-2023 19:52*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*04-Aug-2023 13:20*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*04-Aug-2023 13:20*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*03-Aug-2023 19:52*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*03-Aug-2023 19:52*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*04-Aug-2023 13:20*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*04-Aug-2023 13:20*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*03-Aug-2023 19:52*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*03-Aug-2023 19:52*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*04-Aug-2023 13:20*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*04-Aug-2023 13:20*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*03-Aug-2023 19:52*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW17C-20230711 Lab ID:HS23070869-05
Collection Date: 11-Jul-2023 15:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00545**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 13:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW17-20230711 Lab ID:HS23070869-06
Collection Date: 11-Jul-2023 16:00 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 01:42
Benzene	**0.61**		**0.0020**	**0.010**	**mg/L**	10	20-Jul-2023 02:52
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 01:42
Ethylbenzene	**0.25**		**0.0030**	**0.010**	**mg/L**	10	20-Jul-2023 02:52
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2023 01:42
Toluene	**0.91**		**0.0020**	**0.010**	**mg/L**	10	20-Jul-2023 02:52
Xylenes, Total	**0.74**		**0.0030**	**0.030**	**mg/L**	10	20-Jul-2023 02:52
Surr: 1,2-Dichloroethane-d4	*98.6*			*70-126*	*%REC*	*1*	*19-Jul-2023 01:42*
Surr: 1,2-Dichloroethane-d4	*95.5*			*70-126*	*%REC*	*10*	*20-Jul-2023 02:52*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*19-Jul-2023 01:42*
Surr: 4-Bromofluorobenzene	*99.4*			*77-113*	*%REC*	*10*	*20-Jul-2023 02:52*
Surr: Dibromofluoromethane	*99.3*			*77-123*	*%REC*	*1*	*19-Jul-2023 01:42*
Surr: Dibromofluoromethane	*98.0*			*77-123*	*%REC*	*10*	*20-Jul-2023 02:52*
Surr: Toluene-d8	*98.4*			*82-127*	*%REC*	*1*	*19-Jul-2023 01:42*
Surr: Toluene-d8	*98.7*			*82-127*	*%REC*	*10*	*20-Jul-2023 02:52*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW17-20230711
Collection Date: 11-Jul-2023 16:00

ANALYTICAL REPORT
WorkOrder:HS23070869
Lab ID:HS23070869-06
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	04-Aug-2023 13:43
2,4-Dimethylphenol	**3.8**		**0.040**	**0.20**	**mg/L**	1000	04-Aug-2023 14:06
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	04-Aug-2023 13:43
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	04-Aug-2023 13:43
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	04-Aug-2023 13:43
2-Methylnaphthalene	**0.33**		**0.0019**	**0.010**	**mg/L**	100	04-Aug-2023 13:43
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	04-Aug-2023 13:43
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	04-Aug-2023 13:43
Acenaphthene	**0.12**		**0.0027**	**0.010**	**mg/L**	100	04-Aug-2023 13:43
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	04-Aug-2023 13:43
Anthracene	< 0.0014		0.0014	0.010	mg/L	100	04-Aug-2023 13:43
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	04-Aug-2023 13:43
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	04-Aug-2023 13:43
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	04-Aug-2023 13:43
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	04-Aug-2023 13:43
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	04-Aug-2023 13:43
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	04-Aug-2023 13:43
Dibenzofuran	**0.086**		**0.0020**	**0.010**	**mg/L**	100	04-Aug-2023 13:43
Fluoranthene	**0.0030**	J	**0.0010**	**0.010**	**mg/L**	100	04-Aug-2023 13:43
Fluorene	**0.056**		**0.0030**	**0.010**	**mg/L**	100	04-Aug-2023 13:43
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	04-Aug-2023 13:43
Naphthalene	**7.3**		**0.020**	**0.10**	**mg/L**	1000	04-Aug-2023 14:06
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	04-Aug-2023 13:43
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	04-Aug-2023 13:43
Phenanthrene	**0.040**		**0.0021**	**0.010**	**mg/L**	100	04-Aug-2023 13:43
Phenol	**7.3**		**0.035**	**0.20**	**mg/L**	1000	04-Aug-2023 14:06
Pyrene	< 0.0019		0.0019	0.010	mg/L	100	04-Aug-2023 13:43
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*04-Aug-2023 14:06*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*04-Aug-2023 13:43*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*04-Aug-2023 13:43*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*04-Aug-2023 14:06*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*04-Aug-2023 14:06*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*04-Aug-2023 13:43*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*04-Aug-2023 13:43*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*04-Aug-2023 14:06*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*04-Aug-2023 13:43*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*04-Aug-2023 14:06*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*04-Aug-2023 13:43*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*04-Aug-2023 14:06*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW17-20230711
Collection Date: 11-Jul-2023 16:00

ANALYTICAL REPORT
WorkOrder:HS23070869
Lab ID:HS23070869-06
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.0433**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 14:27

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW21C-20230711 Lab ID:HS23070869-07
Collection Date: 11-Jul-2023 17:20 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 02:03
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	20-Jul-2023 04:39
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 02:03
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 02:03
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2023 02:03
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	20-Jul-2023 04:39
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	19-Jul-2023 02:03
Surr: 1,2-Dichloroethane-d4	*95.9*			*70-126*	*%REC*	*1*	*19-Jul-2023 02:03*
Surr: 1,2-Dichloroethane-d4	*96.0*			*70-126*	*%REC*	*1*	*20-Jul-2023 04:39*
Surr: 4-Bromofluorobenzene	*97.4*			*77-113*	*%REC*	*1*	*19-Jul-2023 02:03*
Surr: 4-Bromofluorobenzene	*95.3*			*77-113*	*%REC*	*1*	*20-Jul-2023 04:39*
Surr: Dibromofluoromethane	*96.1*			*77-123*	*%REC*	*1*	*19-Jul-2023 02:03*
Surr: Dibromofluoromethane	*98.8*			*77-123*	*%REC*	*1*	*20-Jul-2023 04:39*
Surr: Toluene-d8	*99.2*			*82-127*	*%REC*	*1*	*19-Jul-2023 02:03*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*20-Jul-2023 04:39*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW21C-20230711
Collection Date: 11-Jul-2023 17:20

ANALYTICAL REPORT
WorkOrder:HS23070869
Lab ID:HS23070869-07
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 19:17
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2023 19:17
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2023 19:17
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2023 19:17
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 19:17
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2023 19:17
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	01-Aug-2023 19:17
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2023 19:17
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2023 19:17
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2023 19:17
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2023 19:17
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2023 19:17
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 19:17
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2023 19:17
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2023 19:17
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 19:17
Di-n-butyl phthalate	**0.00012**	J	**0.000020**	**0.00020**	**mg/L**	1	01-Aug-2023 19:17
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 19:17
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2023 19:17
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2023 19:17
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2023 19:17
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 19:17
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2023 19:17
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2023 19:17
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 19:17
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2023 19:17
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2023 19:17
Surr: 2,4,6-Tribromophenol	*65.0*			*34-129*	*%REC*	*1*	*01-Aug-2023 19:17*
Surr: 2-Fluorobiphenyl	*64.0*			*40-125*	*%REC*	*1*	*01-Aug-2023 19:17*
Surr: 2-Fluorophenol	*50.7*			*20-120*	*%REC*	*1*	*01-Aug-2023 19:17*
Surr: 4-Terphenyl-d14	*79.7*			*40-135*	*%REC*	*1*	*01-Aug-2023 19:17*
Surr: Nitrobenzene-d5	*58.0*			*41-120*	*%REC*	*1*	*01-Aug-2023 19:17*
Surr: Phenol-d6	*59.5*			*20-120*	*%REC*	*1*	*01-Aug-2023 19:17*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00121**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 13:51

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-FD01-20230711 Lab ID:HS23070869-08
Collection Date: 11-Jul-2023 17:20 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 02:24
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 02:24
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 02:24
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 02:24
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2023 02:24
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 02:24
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	19-Jul-2023 02:24
Surr: 1,2-Dichloroethane-d4	*96.0*			*70-126*	*%REC*	*1*	*19-Jul-2023 02:24*
Surr: 4-Bromofluorobenzene	*97.9*			*77-113*	*%REC*	*1*	*19-Jul-2023 02:24*
Surr: Dibromofluoromethane	*97.1*			*77-123*	*%REC*	*1*	*19-Jul-2023 02:24*
Surr: Toluene-d8	*99.4*			*82-127*	*%REC*	*1*	*19-Jul-2023 02:24*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-FD01-20230711 Lab ID:HS23070869-08
Collection Date: 11-Jul-2023 17:20 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 19:40
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2023 19:40
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2023 19:40
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2023 19:40
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 19:40
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2023 19:40
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	01-Aug-2023 19:40
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2023 19:40
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2023 19:40
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2023 19:40
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2023 19:40
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2023 19:40
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 19:40
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2023 19:40
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2023 19:40
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 19:40
Di-n-butyl phthalate	**0.000078**	J	**0.000020**	**0.00020**	**mg/L**	1	01-Aug-2023 19:40
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 19:40
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2023 19:40
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2023 19:40
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2023 19:40
Naphthalene	**0.000063**	J	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2023 19:40
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2023 19:40
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2023 19:40
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 19:40
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2023 19:40
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2023 19:40
Surr: 2,4,6-Tribromophenol	*62.0*			*34-129*	*%REC*	*1*	*01-Aug-2023 19:40*
Surr: 2-Fluorobiphenyl	*60.0*			*40-125*	*%REC*	*1*	*01-Aug-2023 19:40*
Surr: 2-Fluorophenol	*50.8*			*20-120*	*%REC*	*1*	*01-Aug-2023 19:40*
Surr: 4-Terphenyl-d14	*89.3*			*40-135*	*%REC*	*1*	*01-Aug-2023 19:40*
Surr: Nitrobenzene-d5	*56.7*			*41-120*	*%REC*	*1*	*01-Aug-2023 19:40*
Surr: Phenol-d6	*57.3*			*20-120*	*%REC*	*1*	*01-Aug-2023 19:40*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00113**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 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 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-FB04-20230711 Lab ID:HS23070869-09
Collection Date: 11-Jul-2023 17:50 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	18-Jul-2023 23:54
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	18-Jul-2023 23:54
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	18-Jul-2023 23:54
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	18-Jul-2023 23:54
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	18-Jul-2023 23:54
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	18-Jul-2023 23:54
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	18-Jul-2023 23:54
Surr: 1,2-Dichloroethane-d4	*96.3*			*70-126*	*%REC*	*1*	*18-Jul-2023 23:54*
Surr: 4-Bromofluorobenzene	*97.8*			*77-113*	*%REC*	*1*	*18-Jul-2023 23:54*
Surr: Dibromofluoromethane	*97.0*			*77-123*	*%REC*	*1*	*18-Jul-2023 23:54*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*18-Jul-2023 23:54*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-FB04-20230711
Collection Date: 11-Jul-2023 17:50

ANALYTICAL REPORT
WorkOrder:HS23070869
Lab ID:HS23070869-09
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 20:03
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2023 20:03
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2023 20:03
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2023 20:03
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 20:03
2-Methylnaphthalene	**0.000049**	J	**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2023 20:03
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	01-Aug-2023 20:03
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2023 20:03
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2023 20:03
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2023 20:03
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2023 20:03
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2023 20:03
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 20:03
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2023 20:03
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2023 20:03
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 20:03
Di-n-butyl phthalate	**0.000071**	J	**0.000020**	**0.00020**	**mg/L**	1	01-Aug-2023 20:03
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 20:03
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2023 20:03
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2023 20:03
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2023 20:03
Naphthalene	**0.00057**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2023 20:03
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2023 20:03
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2023 20:03
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 20:03
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2023 20:03
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2023 20:03
Surr: 2,4,6-Tribromophenol	*78.7*			*34-129*	*%REC*	*1*	*01-Aug-2023 20:03*
Surr: 2-Fluorobiphenyl	*85.5*			*40-125*	*%REC*	*1*	*01-Aug-2023 20:03*
Surr: 2-Fluorophenol	*67.1*			*20-120*	*%REC*	*1*	*01-Aug-2023 20:03*
Surr: 4-Terphenyl-d14	*97.3*			*40-135*	*%REC*	*1*	*01-Aug-2023 20:03*
Surr: Nitrobenzene-d5	*79.4*			*41-120*	*%REC*	*1*	*01-Aug-2023 20:03*
Surr: Phenol-d6	*77.4*			*20-120*	*%REC*	*1*	*01-Aug-2023 20:03*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	27-Jul-2023 13:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW88A-20230712 Lab ID:HS23070869-10
Collection Date: 12-Jul-2023 07:45 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 02:46
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 02:46
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 02:46
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 02:46
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2023 02:46
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 02:46
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	19-Jul-2023 02:46
Surr: 1,2-Dichloroethane-d4	*95.9*			*70-126*	*%REC*	*1*	*19-Jul-2023 02:46*
Surr: 4-Bromofluorobenzene	*96.1*			*77-113*	*%REC*	*1*	*19-Jul-2023 02:46*
Surr: Dibromofluoromethane	*98.2*			*77-123*	*%REC*	*1*	*19-Jul-2023 02:46*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*19-Jul-2023 02:46*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW88A-20230712
Collection Date: 12-Jul-2023 07:45

ANALYTICAL REPORT
WorkOrder:HS23070869
Lab ID:HS23070869-10
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 20:27
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2023 20:27
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2023 20:27
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2023 20:27
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 20:27
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2023 20:27
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	01-Aug-2023 20:27
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2023 20:27
Acenaphthene	**0.0021**		**0.000027**	**0.00010**	**mg/L**	1	01-Aug-2023 20:27
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2023 20:27
Anthracene	**0.00011**		**0.000014**	**0.00010**	**mg/L**	1	01-Aug-2023 20:27
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2023 20:27
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 20:27
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2023 20:27
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2023 20:27
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 20:27
Di-n-butyl phthalate	**0.000091**	J	**0.000020**	**0.00020**	**mg/L**	1	01-Aug-2023 20:27
Dibenzofuran	**0.00085**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2023 20:27
Fluoranthene	**0.00027**		**0.000010**	**0.00010**	**mg/L**	1	01-Aug-2023 20:27
Fluorene	**0.00048**		**0.000030**	**0.00010**	**mg/L**	1	01-Aug-2023 20:27
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2023 20:27
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 20:27
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2023 20:27
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2023 20:27
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 20:27
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2023 20:27
Pyrene	**0.00055**		**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2023 20:27
Surr: 2,4,6-Tribromophenol	*79.9*			*34-129*	*%REC*	*1*	*01-Aug-2023 20:27*
Surr: 2-Fluorobiphenyl	*77.5*			*40-125*	*%REC*	*1*	*01-Aug-2023 20:27*
Surr: 2-Fluorophenol	*62.7*			*20-120*	*%REC*	*1*	*01-Aug-2023 20:27*
Surr: 4-Terphenyl-d14	*88.4*			*40-135*	*%REC*	*1*	*01-Aug-2023 20:27*
Surr: Nitrobenzene-d5	*71.0*			*41-120*	*%REC*	*1*	*01-Aug-2023 20:27*
Surr: Phenol-d6	*70.6*			*20-120*	*%REC*	*1*	*01-Aug-2023 20:27*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00189**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 13:58

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW88B-20230712 Lab ID:HS23070869-11
Collection Date: 12-Jul-2023 08:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 00:37
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 00:37
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 00:37
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 00:37
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2023 00:37
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 00:37
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	19-Jul-2023 00:37
Surr: 1,2-Dichloroethane-d4	*97.0*			*70-126*	*%REC*	*1*	*19-Jul-2023 00:37*
Surr: 4-Bromofluorobenzene	*97.2*			*77-113*	*%REC*	*1*	*19-Jul-2023 00:37*
Surr: Dibromofluoromethane	*96.6*			*77-123*	*%REC*	*1*	*19-Jul-2023 00:37*
Surr: Toluene-d8	*100.0*			*82-127*	*%REC*	*1*	*19-Jul-2023 00:37*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW88B-20230712 Lab ID:HS23070869-11
Collection Date: 12-Jul-2023 08:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 20:50
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2023 20:50
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2023 20:50
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2023 20:50
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 20:50
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2023 20:50
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	01-Aug-2023 20:50
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2023 20:50
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2023 20:50
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2023 20:50
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2023 20:50
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2023 20:50
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 20:50
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2023 20:50
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2023 20:50
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 20:50
Di-n-butyl phthalate	**0.000051**	J	**0.000020**	**0.00020**	**mg/L**	1	01-Aug-2023 20:50
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 20:50
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2023 20:50
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2023 20:50
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2023 20:50
Naphthalene	**0.000039**	J	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2023 20:50
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2023 20:50
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2023 20:50
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 20:50
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2023 20:50
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2023 20:50
Surr: 2,4,6-Tribromophenol	*66.6*			*34-129*	*%REC*	*1*	*01-Aug-2023 20:50*
Surr: 2-Fluorobiphenyl	*69.0*			*40-125*	*%REC*	*1*	*01-Aug-2023 20:50*
Surr: 2-Fluorophenol	*55.9*			*20-120*	*%REC*	*1*	*01-Aug-2023 20:50*
Surr: 4-Terphenyl-d14	*83.8*			*40-135*	*%REC*	*1*	*01-Aug-2023 20:50*
Surr: Nitrobenzene-d5	*62.6*			*41-120*	*%REC*	*1*	*01-Aug-2023 20:50*
Surr: Phenol-d6	*63.8*			*20-120*	*%REC*	*1*	*01-Aug-2023 20:50*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00145**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 13:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW88C-20230712 Lab ID:HS23070869-12
Collection Date: 12-Jul-2023 09:30 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 03:07
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 03:07
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 03:07
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 03:07
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2023 03:07
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 03:07
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	19-Jul-2023 03:07
Surr: 1,2-Dichloroethane-d4	*98.8*			*70-126*	*%REC*	*1*	*19-Jul-2023 03:07*
Surr: 4-Bromofluorobenzene	*97.1*			*77-113*	*%REC*	*1*	*19-Jul-2023 03:07*
Surr: Dibromofluoromethane	*98.8*			*77-123*	*%REC*	*1*	*19-Jul-2023 03:07*
Surr: Toluene-d8	*99.8*			*82-127*	*%REC*	*1*	*19-Jul-2023 03:07*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW88C-20230712
Collection Date: 12-Jul-2023 09:30

ANALYTICAL REPORT
WorkOrder:HS23070869
Lab ID:HS23070869-12
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 21:13
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2023 21:13
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2023 21:13
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2023 21:13
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 21:13
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2023 21:13
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	01-Aug-2023 21:13
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2023 21:13
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2023 21:13
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2023 21:13
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	01-Aug-2023 21:13
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2023 21:13
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 21:13
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2023 21:13
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2023 21:13
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 21:13
Di-n-butyl phthalate	**0.000078**	J	**0.000020**	**0.00020**	**mg/L**	1	01-Aug-2023 21:13
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 21:13
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2023 21:13
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2023 21:13
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2023 21:13
Naphthalene	**0.000052**	J	**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2023 21:13
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2023 21:13
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2023 21:13
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 21:13
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2023 21:13
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2023 21:13
Surr: 2,4,6-Tribromophenol	*54.8*			*34-129*	*%REC*	*1*	*01-Aug-2023 21:13*
Surr: 2-Fluorobiphenyl	*57.5*			*40-125*	*%REC*	*1*	*01-Aug-2023 21:13*
Surr: 2-Fluorophenol	*44.5*			*20-120*	*%REC*	*1*	*01-Aug-2023 21:13*
Surr: 4-Terphenyl-d14	*87.8*			*40-135*	*%REC*	*1*	*01-Aug-2023 21:13*
Surr: Nitrobenzene-d5	*53.1*			*41-120*	*%REC*	*1*	*01-Aug-2023 21:13*
Surr: Phenol-d6	*50.9*			*20-120*	*%REC*	*1*	*01-Aug-2023 21:13*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000681**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 14:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW12C-20230712 Lab ID:HS23070869-13
Collection Date: 12-Jul-2023 10:25 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 03:29
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 03:29
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 03:29
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 03:29
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2023 03:29
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 03:29
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	19-Jul-2023 03:29
Surr: 1,2-Dichloroethane-d4	*95.6*			*70-126*	*%REC*	*1*	*19-Jul-2023 03:29*
Surr: 4-Bromofluorobenzene	*97.0*			*77-113*	*%REC*	*1*	*19-Jul-2023 03:29*
Surr: Dibromofluoromethane	*98.9*			*77-123*	*%REC*	*1*	*19-Jul-2023 03:29*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*19-Jul-2023 03:29*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW12C-20230712
Collection Date: 12-Jul-2023 10:25

ANALYTICAL REPORT
WorkOrder:HS23070869
Lab ID:HS23070869-13
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 18-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 21:36
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2023 21:36
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2023 21:36
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2023 21:36
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 21:36
2-Methylnaphthalene	**0.00011**		**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2023 21:36
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	01-Aug-2023 21:36
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2023 21:36
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	01-Aug-2023 21:36
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2023 21:36
Anthracene	**0.000033**	J	**0.000014**	**0.00010**	**mg/L**	1	01-Aug-2023 21:36
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2023 21:36
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 21:36
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2023 21:36
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2023 21:36
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	01-Aug-2023 21:36
Di-n-butyl phthalate	**0.00014**	J	**0.000020**	**0.00020**	**mg/L**	1	01-Aug-2023 21:36
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 21:36
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	01-Aug-2023 21:36
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	01-Aug-2023 21:36
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2023 21:36
Naphthalene	**0.00075**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2023 21:36
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2023 21:36
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2023 21:36
Phenanthrene	**0.000080**	J	**0.000021**	**0.00010**	**mg/L**	1	01-Aug-2023 21:36
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2023 21:36
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	01-Aug-2023 21:36
Surr: 2,4,6-Tribromophenol	*65.1*			*34-129*	*%REC*	*1*	*01-Aug-2023 21:36*
Surr: 2-Fluorobiphenyl	*64.9*			*40-125*	*%REC*	*1*	*01-Aug-2023 21:36*
Surr: 2-Fluorophenol	*51.5*			*20-120*	*%REC*	*1*	*01-Aug-2023 21:36*
Surr: 4-Terphenyl-d14	*84.2*			*40-135*	*%REC*	*1*	*01-Aug-2023 21:36*
Surr: Nitrobenzene-d5	*56.2*			*41-120*	*%REC*	*1*	*01-Aug-2023 21:36*
Surr: Phenol-d6	*56.2*			*20-120*	*%REC*	*1*	*01-Aug-2023 21:36*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.00191**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 14:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW12A-20230712 Lab ID:HS23070869-14
Collection Date: 12-Jul-2023 12:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 03:50
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 03:50
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 03:50
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 03:50
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2023 03:50
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 03:50
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	19-Jul-2023 03:50
Surr: 1,2-Dichloroethane-d4	*96.3*			*70-126*	*%REC*	*1*	*19-Jul-2023 03:50*
Surr: 4-Bromofluorobenzene	*99.0*			*77-113*	*%REC*	*1*	*19-Jul-2023 03:50*
Surr: Dibromofluoromethane	*98.7*			*77-123*	*%REC*	*1*	*19-Jul-2023 03:50*
Surr: Toluene-d8	*99.7*			*82-127*	*%REC*	*1*	*19-Jul-2023 03:50*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW12A-20230712 Lab ID:HS23070869-14
Collection Date: 12-Jul-2023 12:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 15:50
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	01-Aug-2023 15:50
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	01-Aug-2023 15:50
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	01-Aug-2023 15:50
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	01-Aug-2023 15:50
2-Methylnaphthalene	**0.026**		**0.00019**	**0.0010**	**mg/L**	10	03-Aug-2023 18:20
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	01-Aug-2023 15:50
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	01-Aug-2023 15:50
Acenaphthene	**0.23**		**0.0027**	**0.010**	**mg/L**	100	03-Aug-2023 18:43
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	01-Aug-2023 15:50
Anthracene	**0.0081**		**0.000014**	**0.00010**	**mg/L**	1	01-Aug-2023 15:50
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	01-Aug-2023 15:50
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	01-Aug-2023 15:50
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	01-Aug-2023 15:50
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	01-Aug-2023 15:50
Chrysene	**0.00012**		**0.000021**	**0.00010**	**mg/L**	1	01-Aug-2023 15:50
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	01-Aug-2023 15:50
Dibenzofuran	**0.099**		**0.00020**	**0.0010**	**mg/L**	10	03-Aug-2023 18:20
Fluoranthene	**0.0086**		**0.000010**	**0.00010**	**mg/L**	1	01-Aug-2023 15:50
Fluorene	**0.18**		**0.0030**	**0.010**	**mg/L**	100	03-Aug-2023 18:43
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	01-Aug-2023 15:50
Naphthalene	**0.0013**		**0.000020**	**0.00010**	**mg/L**	1	01-Aug-2023 15:50
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	01-Aug-2023 15:50
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	01-Aug-2023 15:50
Phenanthrene	**0.052**		**0.00021**	**0.0010**	**mg/L**	10	03-Aug-2023 18:20
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	01-Aug-2023 15:50
Pyrene	**0.0038**		**0.000019**	**0.00010**	**mg/L**	1	01-Aug-2023 15:50
Surr: 2,4,6-Tribromophenol	*80.9*			*34-129*	*%REC*	*10*	*03-Aug-2023 18:20*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*03-Aug-2023 18:43*
Surr: 2,4,6-Tribromophenol	*81.8*			*34-129*	*%REC*	*1*	*01-Aug-2023 15:50*
Surr: 2-Fluorobiphenyl	*82.2*			*40-125*	*%REC*	*1*	*01-Aug-2023 15:50*
Surr: 2-Fluorobiphenyl	*91.3*			*40-125*	*%REC*	*10*	*03-Aug-2023 18:20*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*03-Aug-2023 18:43*
Surr: 2-Fluorophenol	*69.0*			*20-120*	*%REC*	*10*	*03-Aug-2023 18:20*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*03-Aug-2023 18:43*
Surr: 2-Fluorophenol	*61.1*			*20-120*	*%REC*	*1*	*01-Aug-2023 15:50*
Surr: 4-Terphenyl-d14	*94.7*			*40-135*	*%REC*	*1*	*01-Aug-2023 15:50*
Surr: 4-Terphenyl-d14	*109*			*40-135*	*%REC*	*10*	*03-Aug-2023 18:20*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*03-Aug-2023 18:43*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-MW12A-20230712 Lab ID:HS23070869-14
Collection Date: 12-Jul-2023 12:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 18-Jul-2023		Analyst: MBG
Surr: Nitrobenzene-d5	*75.8*			*41-120*	*%REC*	*10*	*03-Aug-2023 18:20*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*03-Aug-2023 18:43*
Surr: Nitrobenzene-d5	*73.8*			*41-120*	*%REC*	*1*	*01-Aug-2023 15:50*
Surr: Phenol-d6	*72.0*			*20-120*	*%REC*	*1*	*01-Aug-2023 15:50*
Surr: Phenol-d6	*76.4*			*20-120*	*%REC*	*10*	*03-Aug-2023 18:20*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*03-Aug-2023 18:43*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 26-Jul-2023		Analyst: JC
Arsenic	**0.000855**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 14:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070869
Sample ID: WG-1620-TB03-20230712 Lab ID:HS23070869-15
Collection Date: 12-Jul-2023 00:00 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 00:16
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 00:16
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 00:16
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	19-Jul-2023 00:16
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	19-Jul-2023 00:16
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	19-Jul-2023 00:16
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	19-Jul-2023 00:16
Surr: 1,2-Dichloroethane-d4	*97.8*			*70-126*	*%REC*	*1*	*19-Jul-2023 00:16*
Surr: 4-Bromofluorobenzene	*96.6*			*77-113*	*%REC*	*1*	*19-Jul-2023 00:16*
Surr: Dibromofluoromethane	*97.8*			*77-123*	*%REC*	*1*	*19-Jul-2023 00:16*
Surr: Toluene-d8	*99.5*			*82-127*	*%REC*	*1*	*19-Jul-2023 00:16*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070869

Batch ID: 197708 **Start Date:** 18 Jul 2023 08:30 **End Date:** 18 Jul 2023 08:30
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23070869-01		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070869-02		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070869-03		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070869-04		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070869-05		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070869-06		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070869-07		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070869-08		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070869-09		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070869-10		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070869-11		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070869-12		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070869-13		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070869-14		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198098 **Start Date:** 26 Jul 2023 09:00 **End Date:** 26 Jul 2023 09:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23070869-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070869-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070869-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070869-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070869-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070869-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070869-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070869-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070869-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070869-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070869-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070869-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070869-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070869-14		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070869

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 197708 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS23070869-09	WG-1620-FB04-20230711	11 Jul 2023 17:50		18 Jul 2023 08:30	01 Aug 2023 20:03	1
Batch ID: 197708 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS23070869-01	WG-1620-MW14-20230711	11 Jul 2023 11:40		18 Jul 2023 08:30	01 Aug 2023 16:59	1
HS23070869-02	WG-1620-MW15B-20230711	11 Jul 2023 12:30		18 Jul 2023 08:30	04 Aug 2023 21:41	10
HS23070869-02	WG-1620-MW15B-20230711	11 Jul 2023 12:30		18 Jul 2023 08:30	01 Aug 2023 17:22	1
HS23070869-03	WG-1620-MW15C-20230711	11 Jul 2023 13:15		18 Jul 2023 08:30	01 Aug 2023 17:45	1
HS23070869-04	WG-1620-MW15A-20230711	11 Jul 2023 14:10		18 Jul 2023 08:30	03 Aug 2023 19:29	10
HS23070869-04	WG-1620-MW15A-20230711	11 Jul 2023 14:10		18 Jul 2023 08:30	01 Aug 2023 18:08	1
HS23070869-05	WG-1620-MW17C-20230711	11 Jul 2023 15:10		18 Jul 2023 08:30	04 Aug 2023 13:20	1000
HS23070869-05	WG-1620-MW17C-20230711	11 Jul 2023 15:10		18 Jul 2023 08:30	03 Aug 2023 19:52	100
HS23070869-06	WG-1620-MW17-20230711	11 Jul 2023 16:00		18 Jul 2023 08:30	04 Aug 2023 14:06	1000
HS23070869-06	WG-1620-MW17-20230711	11 Jul 2023 16:00		18 Jul 2023 08:30	04 Aug 2023 13:43	100
HS23070869-07	WG-1620-MW21C-20230711	11 Jul 2023 17:20		18 Jul 2023 08:30	01 Aug 2023 19:17	1
HS23070869-08	WG-1620-FD01-20230711	11 Jul 2023 17:20		18 Jul 2023 08:30	01 Aug 2023 19:40	1
HS23070869-10	WG-1620-MW88A-20230712	12 Jul 2023 07:45		18 Jul 2023 08:30	01 Aug 2023 20:27	1
HS23070869-11	WG-1620-MW88B-20230712	12 Jul 2023 08:40		18 Jul 2023 08:30	01 Aug 2023 20:50	1
HS23070869-12	WG-1620-MW88C-20230712	12 Jul 2023 09:30		18 Jul 2023 08:30	01 Aug 2023 21:13	1
HS23070869-13	WG-1620-MW12C-20230712	12 Jul 2023 10:25		18 Jul 2023 08:30	01 Aug 2023 21:36	1
HS23070869-14	WG-1620-MW12A-20230712	12 Jul 2023 12:10		18 Jul 2023 08:30	03 Aug 2023 18:43	100
HS23070869-14	WG-1620-MW12A-20230712	12 Jul 2023 12:10		18 Jul 2023 08:30	03 Aug 2023 18:20	10
HS23070869-14	WG-1620-MW12A-20230712	12 Jul 2023 12:10		18 Jul 2023 08:30	01 Aug 2023 15:50	1
Batch ID: 198098 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS23070869-09	WG-1620-FB04-20230711	11 Jul 2023 17:50		26 Jul 2023 09:00	27 Jul 2023 13:56	1
Batch ID: 198098 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** GW	
HS23070869-01	WG-1620-MW14-20230711	11 Jul 2023 11:40		26 Jul 2023 09:00	27 Jul 2023 13:35	1
HS23070869-02	WG-1620-MW15B-20230711	11 Jul 2023 12:30		26 Jul 2023 09:00	27 Jul 2023 13:37	1
HS23070869-03	WG-1620-MW15C-20230711	11 Jul 2023 13:15		26 Jul 2023 09:00	27 Jul 2023 13:39	1
HS23070869-04	WG-1620-MW15A-20230711	11 Jul 2023 14:10		26 Jul 2023 09:00	27 Jul 2023 13:45	1
HS23070869-05	WG-1620-MW17C-20230711	11 Jul 2023 15:10		26 Jul 2023 09:00	27 Jul 2023 13:47	1
HS23070869-06	WG-1620-MW17-20230711	11 Jul 2023 16:00		26 Jul 2023 09:00	27 Jul 2023 14:27	1
HS23070869-07	WG-1620-MW21C-20230711	11 Jul 2023 17:20		26 Jul 2023 09:00	27 Jul 2023 13:51	1
HS23070869-08	WG-1620-FD01-20230711	11 Jul 2023 17:20		26 Jul 2023 09:00	27 Jul 2023 13:53	1
HS23070869-10	WG-1620-MW88A-20230712	12 Jul 2023 07:45		26 Jul 2023 09:00	27 Jul 2023 13:58	1
HS23070869-11	WG-1620-MW88B-20230712	12 Jul 2023 08:40		26 Jul 2023 09:00	27 Jul 2023 13:24	1
HS23070869-12	WG-1620-MW88C-20230712	12 Jul 2023 09:30		26 Jul 2023 09:00	27 Jul 2023 14:00	1
HS23070869-13	WG-1620-MW12C-20230712	12 Jul 2023 10:25		26 Jul 2023 09:00	27 Jul 2023 14:02	1
HS23070869-14	WG-1620-MW12A-20230712	12 Jul 2023 12:10		26 Jul 2023 09:00	27 Jul 2023 14:04	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070869

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R441701 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23070869-01	WG-1620-MW14-20230711	11 Jul 2023 11:40			18 Jul 2023 18:54	1
HS23070869-02	WG-1620-MW15B-20230711	11 Jul 2023 12:30			18 Jul 2023 19:16	1
HS23070869-03	WG-1620-MW15C-20230711	11 Jul 2023 13:15			18 Jul 2023 19:37	1
HS23070869-04	WG-1620-MW15A-20230711	11 Jul 2023 14:10			18 Jul 2023 19:59	1
HS23070869-05	WG-1620-MW17C-20230711	11 Jul 2023 15:10			18 Jul 2023 20:20	1
Batch ID: R441711 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS23070869-09	WG-1620-FB04-20230711	11 Jul 2023 17:50			18 Jul 2023 23:54	1
HS23070869-15	WG-1620-TB03-20230712	12 Jul 2023 00:00			19 Jul 2023 00:16	1
Batch ID: R441711 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23070869-06	WG-1620-MW17-20230711	11 Jul 2023 16:00			19 Jul 2023 01:42	1
HS23070869-07	WG-1620-MW21C-20230711	11 Jul 2023 17:20			19 Jul 2023 02:03	1
HS23070869-08	WG-1620-FD01-20230711	11 Jul 2023 17:20			19 Jul 2023 02:24	1
HS23070869-10	WG-1620-MW88A-20230712	12 Jul 2023 07:45			19 Jul 2023 02:46	1
HS23070869-11	WG-1620-MW88B-20230712	12 Jul 2023 08:40			19 Jul 2023 00:37	1
HS23070869-12	WG-1620-MW88C-20230712	12 Jul 2023 09:30			19 Jul 2023 03:07	1
HS23070869-13	WG-1620-MW12C-20230712	12 Jul 2023 10:25			19 Jul 2023 03:29	1
HS23070869-14	WG-1620-MW12A-20230712	12 Jul 2023 12:10			19 Jul 2023 03:50	1
Batch ID: R441788 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23070869-06	WG-1620-MW17-20230711	11 Jul 2023 16:00			20 Jul 2023 02:52	10
HS23070869-07	WG-1620-MW21C-20230711	11 Jul 2023 17:20			20 Jul 2023 04:39	1

WorkOrder: HS23070869
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	0.00137	0.000400	0.00200

WorkOrder: HS23070869
InstrumentID: SV-10
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000082	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	0.000064	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000082	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000090	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000079	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00039	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000078	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.000070	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.000075	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.000073	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.000077	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.000080	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000098	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.000079	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000088	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.000071	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.000093	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.000079	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000086	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.000084	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.00011	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000028	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00010	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000098	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.000092	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: HS23071218
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	7,12-Dimethylbenz(a)anthracene	57-97-6	0.00010	0.000070	0.000019	0.00010
A	Anthracene	120-12-7	0.000050	0.000045	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000051	0.000050	0.00010
A	Benzenethiol	108-98-5	0.00010	0.000062	0.000030	0.00020
A	Benzo(a)pyrene	50-32-8	0.000050	0.000041	0.000020	0.00010
A	Benzo(b)fluoranthene	205-99-2	0.000050	0.000031	0.000023	0.00010
A	Benzo(k)fluoranthene	207-08-9	0.000050	0.000043	0.000019	0.00010
A	Dibenz(a,h)anthracene	53-70-3	0.000050	0.000039	0.000024	0.00010
A	Naphthalene	91-20-3	0.000050	0.000048	0.000020	0.00010
A	Phenanthrene	85-01-8	0.000050	0.000048	0.000021	0.00010
A	Pyrene	129-00-0	0.000050	0.000046	0.000019	0.00010
A	6-Methyl chrysene	1705-85-7	0.00010	0.000054	0.000023	0.00020
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: HS23070869
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	0.00052	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00049	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00053	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00054	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00069	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00059	0.00020	0.0010
A	Vinyl chloride	75-01-4	0.00050	0.00051	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0015	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070869

QC BATCH REPORT

Batch ID: 198098 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-198098** Units: **mg/L** Analysis Date: **27-Jul-2023 13:20**
Client ID: Run ID: **ICPMS06_442486** SeqNo: **7455662** PrepDate: **26-Jul-2023** 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-198098** Units: **mg/L** Analysis Date: **27-Jul-2023 13:22**
Client ID: Run ID: **ICPMS06_442486** SeqNo: **7455663** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04373	0.00200	0.05	0	87.5	80 - 120				

MS Sample ID: **HS23070869-11MS** Units: **mg/L** Analysis Date: **27-Jul-2023 13:29**
Client ID: **WG-1620-MW88B-20230712** Run ID: **ICPMS06_442486** SeqNo: **7455666** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04833	0.00200	0.05	0.001454	93.7	80 - 120				

MSD Sample ID: **HS23070869-11MSD** Units: **mg/L** Analysis Date: **27-Jul-2023 13:30**
Client ID: **WG-1620-MW88B-20230712** Run ID: **ICPMS06_442486** SeqNo: **7455667** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04864	0.00200	0.05	0.001454	94.4	80 - 120	0.04833	0.656	20	

PDS Sample ID: **HS23070869-11PDS** Units: **mg/L** Analysis Date: **27-Jul-2023 13:33**
Client ID: **WG-1620-MW88B-20230712** Run ID: **ICPMS06_442486** SeqNo: **7455668** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09905	0.00200	0.1	0.001454	97.6	75 - 125				

SD Sample ID: **HS23070869-11SD** Units: **mg/L** Analysis Date: **27-Jul-2023 13:26**
Client ID: **WG-1620-MW88B-20230712** Run ID: **ICPMS06_442486** SeqNo: **7455665** PrepDate: **26-Jul-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.002191	0.0100					0.001454	0	10	J

The following samples were analyzed in this batch:

HS23070869-01	HS23070869-02	HS23070869-03	HS23070869-04
HS23070869-05	HS23070869-06	HS23070869-07	HS23070869-08
HS23070869-09	HS23070869-10	HS23070869-11	HS23070869-12
HS23070869-13	HS23070869-14		

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070869

QC BATCH REPORT

Batch ID: 197708 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-197708** Units: **ug/L** Analysis Date: **01-Aug-2023 15:04**
Client ID: Run ID: **SV-10_443096** SeqNo: **7473570** PrepDate: **18-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.809*	*0.20*	*5*	*0*	*76.2*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.382*	*0.20*	*5*	*0*	*87.6*	*40 - 125*				
Surr: 2-Fluorophenol	*3.637*	*0.20*	*5*	*0*	*72.7*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.948*	*0.20*	*5*	*0*	*99.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.062*	*0.20*	*5*	*0*	*81.2*	*41 - 120*				
Surr: Phenol-d6	*4.108*	*0.20*	*5*	*0*	*82.2*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070869

QC BATCH REPORT

Batch ID: 197708 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-197708** Units: **ug/L** Analysis Date: **01-Aug-2023 15:27**
Client ID: Run ID: **SV-10_443096** SeqNo: **7473571** PrepDate: **18-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.651	0.20	5	0	93.0	39 - 127				
2,4-Dimethylphenol	4.673	0.20	5	0	93.5	35 - 120				
2,4-Dinitrotoluene	4.566	0.20	5	0	91.3	50 - 122				
2,6-Dinitrotoluene	4.383	0.20	5	0	87.7	50 - 120				
2-Chloronaphthalene	4.826	0.20	5	0	96.5	50 - 120				
2-Methylnaphthalene	4.381	0.10	5	0	87.6	50 - 120				
4,6-Dinitro-2-methylphenol	4.826	1.0	5	0	96.5	25 - 121				
4-Nitrophenol	4.629	1.0	5	0	92.6	30 - 130				
Acenaphthene	4.456	0.10	5	0	89.1	45 - 120				
Acenaphthylene	4.407	0.10	5	0	88.1	47 - 120				
Anthracene	4.518	0.10	5	0	90.4	45 - 120				
Benz(a)anthracene	4.61	0.10	5	0	92.2	40 - 120				
Benzo(a)pyrene	5.054	0.10	5	0	101	45 - 120				
Bis(2-chloroethoxy)methane	4.433	0.20	5	0	88.7	45 - 120				
Bis(2-ethylhexyl)phthalate	4.506	0.20	5	0	90.1	40 - 139				
Chrysene	4.61	0.10	5	0	92.2	43 - 120				
Dibenzofuran	4.502	0.10	5	0	90.0	50 - 120				
Di-n-butyl phthalate	4.59	0.20	5	0	91.8	45 - 123				
Fluoranthene	4.763	0.10	5	0	95.3	45 - 125				
Fluorene	4.571	0.10	5	0	91.4	49 - 120				
Naphthalene	4.372	0.10	5	0	87.4	45 - 120				
Nitrobenzene	4.488	0.20	5	0	89.8	44 - 120				
N-Nitrosodiphenylamine	4.484	0.20	5	0	89.7	40 - 125				
Pentachlorophenol	4.333	0.20	5	0	86.7	19 - 121				
Phenanthrene	4.565	0.10	5	0	91.3	45 - 121				
Phenol	4.313	0.20	5	0	86.3	20 - 124				
Pyrene	4.574	0.10	5	0	91.5	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.48*	*0.20*	*5*	*0*	*89.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.724*	*0.20*	*5*	*0*	*94.5*	*40 - 125*				
Surr: 2-Fluorophenol	*3.978*	*0.20*	*5*	*0*	*79.6*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.955*	*0.20*	*5*	*0*	*99.1*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.67*	*0.20*	*5*	*0*	*93.4*	*41 - 120*				
Surr: Phenol-d6	*4.394*	*0.20*	*5*	*0*	*87.9*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070869

QC BATCH REPORT

Batch ID: 197708 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS23070869-11MS** Units: **ug/L** Analysis Date: **01-Aug-2023 16:13**
Client ID: **WG-1620-MW88B-20230712** Run ID: **SV-10_443096** SeqNo: **7473573** PrepDate: **18-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.582	0.20	5	0	71.6	39 - 127				
2,4-Dimethylphenol	3.413	0.20	5	0	68.3	35 - 120				
2,4-Dinitrotoluene	3.736	0.20	5	0	74.7	50 - 122				
2,6-Dinitrotoluene	3.481	0.20	5	0	69.6	50 - 120				
2-Chloronaphthalene	3.435	0.20	5	0	68.7	50 - 120				
2-Methylnaphthalene	3.308	0.10	5	0	66.2	50 - 120				
4,6-Dinitro-2-methylphenol	4.058	1.0	5	0	81.2	25 - 121				
4-Nitrophenol	3.862	1.0	5	0	77.2	30 - 130				
Acenaphthene	3.506	0.10	5	0.01096	69.9	45 - 120				
Acenaphthylene	3.275	0.10	5	0	65.5	47 - 120				
Anthracene	3.759	0.10	5	0	75.2	45 - 120				
Benz(a)anthracene	3.912	0.10	5	0	78.2	40 - 120				
Benzo(a)pyrene	4.122	0.10	5	0	82.4	45 - 120				
Bis(2-chloroethoxy)methane	3.221	0.20	5	0	64.4	45 - 120				
Bis(2-ethylhexyl)phthalate	3.914	0.20	5	0	78.3	40 - 139				
Chrysene	3.827	0.10	5	0	76.5	43 - 120				
Dibenzofuran	3.406	0.10	5	0	68.1	50 - 120				
Di-n-butyl phthalate	3.981	0.20	5	0.0511	78.6	45 - 123				
Fluoranthene	4.054	0.10	5	0	81.1	45 - 125				
Fluorene	3.452	0.10	5	0	69.0	49 - 120				
Naphthalene	3.282	0.10	5	0.03937	64.8	45 - 120				
Nitrobenzene	3.34	0.20	5	0	66.8	44 - 120				
N-Nitrosodiphenylamine	3.57	0.20	5	0	71.4	40 - 125				
Pentachlorophenol	3.723	0.20	5	0	74.5	19 - 121				
Phenanthrene	3.604	0.10	5	0	72.1	45 - 121				
Phenol	3.28	0.20	5	0	65.6	20 - 124				
Pyrene	3.916	0.10	5	0	78.3	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.482*	*0.20*	*5*	*0*	*69.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.286*	*0.20*	*5*	*0*	*65.7*	*40 - 125*				
Surr: 2-Fluorophenol	*2.896*	*0.20*	*5*	*0*	*57.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.224*	*0.20*	*5*	*0*	*84.5*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.219*	*0.20*	*5*	*0*	*64.4*	*41 - 120*				
Surr: Phenol-d6	*3.253*	*0.20*	*5*	*0*	*65.1*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070869

QC BATCH REPORT

Batch ID: 197708 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS23070869-11MSD** Units: **ug/L** Analysis Date: **01-Aug-2023 16:36**
Client ID: **WG-1620-MW88B-20230712** Run ID: **SV-10_443096** SeqNo: **7473574** PrepDate: **18-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.6	0.20	5	0	72.0	39 - 127	3.582	0.491	20	
2,4-Dimethylphenol	3.34	0.20	5	0	66.8	35 - 120	3.413	2.17	20	
2,4-Dinitrotoluene	3.882	0.20	5	0	77.6	50 - 122	3.736	3.82	20	
2,6-Dinitrotoluene	3.559	0.20	5	0	71.2	50 - 120	3.481	2.22	20	
2-Chloronaphthalene	3.341	0.20	5	0	66.8	50 - 120	3.435	2.77	20	
2-Methylnaphthalene	3.188	0.10	5	0	63.8	50 - 120	3.308	3.71	20	
4,6-Dinitro-2-methylphenol	4.313	1.0	5	0	86.3	25 - 121	4.058	6.1	30	
4-Nitrophenol	4.067	1.0	5	0	81.3	30 - 130	3.862	5.18	20	
Acenaphthene	3.309	0.10	5	0.01096	66.0	45 - 120	3.506	5.78	20	
Acenaphthylene	3.216	0.10	5	0	64.3	47 - 120	3.275	1.83	20	
Anthracene	3.908	0.10	5	0	78.2	45 - 120	3.759	3.89	20	
Benz(a)anthracene	4.275	0.10	5	0	85.5	40 - 120	3.912	8.86	20	
Benzo(a)pyrene	4.557	0.10	5	0	91.1	45 - 120	4.122	10	20	
Bis(2-chloroethoxy)methane	3.059	0.20	5	0	61.2	45 - 120	3.221	5.15	20	
Bis(2-ethylhexyl)phthalate	4.294	0.20	5	0	85.9	40 - 139	3.914	9.27	20	
Chrysene	4.238	0.10	5	0	84.8	43 - 120	3.827	10.2	20	
Dibenzofuran	3.378	0.10	5	0	67.6	50 - 120	3.406	0.822	20	
Di-n-butyl phthalate	4.292	0.20	5	0.0511	84.8	45 - 123	3.981	7.52	20	
Fluoranthene	4.229	0.10	5	0	84.6	45 - 125	4.054	4.22	20	
Fluorene	3.456	0.10	5	0	69.1	49 - 120	3.452	0.104	20	
Naphthalene	3.123	0.10	5	0.03937	61.7	45 - 120	3.282	4.96	20	
Nitrobenzene	3.089	0.20	5	0	61.8	44 - 120	3.34	7.81	20	
N-Nitrosodiphenylamine	3.759	0.20	5	0	75.2	40 - 125	3.57	5.16	20	
Pentachlorophenol	4.113	0.20	5	0	82.3	19 - 121	3.723	9.94	20	
Phenanthrene	3.803	0.10	5	0	76.1	45 - 121	3.604	5.38	20	
Phenol	3.006	0.20	5	0	60.1	20 - 124	3.28	8.7	20	
Pyrene	4.024	0.10	5	0	80.5	40 - 130	3.916	2.71	20	
Surr: 2,4,6-Tribromophenol	*3.834*	*0.20*	*5*	*0*	*76.7*	*34 - 129*	*3.482*	*9.63*	*20*	
Surr: 2-Fluorobiphenyl	*3.28*	*0.20*	*5*	*0*	*65.6*	*40 - 125*	*3.286*	*0.172*	*20*	
Surr: 2-Fluorophenol	*2.584*	*0.20*	*5*	*0*	*51.7*	*20 - 120*	*2.896*	*11.4*	*20*	
Surr: 4-Terphenyl-d14	*4.394*	*0.20*	*5*	*0*	*87.9*	*40 - 135*	*4.224*	*3.95*	*20*	
Surr: Nitrobenzene-d5	*3.114*	*0.20*	*5*	*0*	*62.3*	*41 - 120*	*3.219*	*3.31*	*20*	
Surr: Phenol-d6	*3.036*	*0.20*	*5*	*0*	*60.7*	*20 - 120*	*3.253*	*6.89*	*20*	

Client:	WSP Golder
Project:	Houston TX-Wood Preserving Works 1620-02
WorkOrder:	HS23070869

QC BATCH REPORT

Batch ID: 197708 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS23070869-01	HS23070869-02	HS23070869-03	HS23070869-04
HS23070869-05	HS23070869-06	HS23070869-07	HS23070869-08
HS23070869-09	HS23070869-10	HS23070869-11	HS23070869-12
HS23070869-13	HS23070869-14		

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070869

QC BATCH REPORT

Batch ID: R441701 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230718** Units: **ug/L** Analysis Date: **18-Jul-2023 12:28**
Client ID: Run ID: **VOA7_441701** SeqNo: **7436777** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Vinyl chloride	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*47.79*	*1.0*	*50*	*0*	*95.6*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.69*	*1.0*	*50*	*0*	*97.4*	*77 - 113*				
Surr: Dibromofluoromethane	*47.88*	*1.0*	*50*	*0*	*95.8*	*73 - 126*				
Surr: Toluene-d8	*49.81*	*1.0*	*50*	*0*	*99.6*	*81 - 120*				

LCS Sample ID: **VLCSW-230718** Units: **ug/L** Analysis Date: **18-Jul-2023 11:46**
Client ID: Run ID: **VOA7_441701** SeqNo: **7436776** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	20.45	1.0	20	0	102	70 - 124				
Benzene	21	1.0	20	0	105	74 - 120				
Chlorobenzene	21.51	1.0	20	0	108	76 - 113				
Ethylbenzene	21.9	1.0	20	0	109	77 - 117				
Methylene chloride	24.1	2.0	20	0	120	70 - 127				
Toluene	21.01	1.0	20	0	105	77 - 118				
Vinyl chloride	21.75	1.0	20	0	109	70 - 130				
Xylenes, Total	65.99	3.0	60	0	110	75 - 122				
Surr: 1,2-Dichloroethane-d4	*48.86*	*1.0*	*50*	*0*	*97.7*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.58*	*1.0*	*50*	*0*	*99.2*	*77 - 113*				
Surr: Dibromofluoromethane	*49.4*	*1.0*	*50*	*0*	*98.8*	*73 - 126*				
Surr: Toluene-d8	*50.18*	*1.0*	*50*	*0*	*100*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070869

QC BATCH REPORT

Batch ID: R441701 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23070792-38MS** Units: **ug/L** Analysis Date: **18-Jul-2023 13:11**
Client ID: Run ID: **VOA7_441701** SeqNo: **7436779** 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	14.54	1.0	20	0	72.7	70 - 127				
Benzene	15.71	1.0	20	0	78.6	70 - 127				
Chlorobenzene	31.06	1.0	20	15.68	76.9	70 - 114				
Ethylbenzene	15.87	1.0	20	0	79.4	70 - 124				
Methylene chloride	17.41	2.0	20	0	87.1	70 - 128				
Toluene	15.19	1.0	20	0	75.9	70 - 123				
Vinyl chloride	13.4	1.0	20	0	67.0	70 - 130				S
Xylenes, Total	47.94	3.0	60	0	79.9	70 - 130				
Surr: 1,2-Dichloroethane-d4	*48.96*	*1.0*	*50*	*0*	*97.9*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.03*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*50.01*	*1.0*	*50*	*0*	*100*	*77 - 123*				
Surr: Toluene-d8	*49.84*	*1.0*	*50*	*0*	*99.7*	*82 - 127*				

MSD Sample ID: **HS23070792-38MSD** Units: **ug/L** Analysis Date: **18-Jul-2023 13:33**
Client ID: Run ID: **VOA7_441701** SeqNo: **7436780** 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	13.75	1.0	20	0	68.8	70 - 127	14.54	5.53	20	S
Benzene	14.76	1.0	20	0	73.8	70 - 127	15.71	6.25	20	
Chlorobenzene	30.05	1.0	20	15.68	71.9	70 - 114	31.06	3.3	20	
Ethylbenzene	15.21	1.0	20	0	76.0	70 - 124	15.87	4.28	20	
Methylene chloride	16.28	2.0	20	0	81.4	70 - 128	17.41	6.74	20	
Toluene	14.46	1.0	20	0	72.3	70 - 123	15.19	4.89	20	
Vinyl chloride	12.25	1.0	20	0	61.2	70 - 130	13.4	8.99	20	S
Xylenes, Total	45.23	3.0	60	0	75.4	70 - 130	47.94	5.82	20	
Surr: 1,2-Dichloroethane-d4	*49.81*	*1.0*	*50*	*0*	*99.6*	*70 - 126*	*48.96*	*1.72*	*20*	
Surr: 4-Bromofluorobenzene	*49.79*	*1.0*	*50*	*0*	*99.6*	*77 - 113*	*50.03*	*0.482*	*20*	
Surr: Dibromofluoromethane	*49.67*	*1.0*	*50*	*0*	*99.3*	*77 - 123*	*50.01*	*0.683*	*20*	
Surr: Toluene-d8	*49.71*	*1.0*	*50*	*0*	*99.4*	*82 - 127*	*49.84*	*0.26*	*20*	

The following samples were analyzed in this batch: HS23070869-01 HS23070869-02 HS23070869-03 HS23070869-04 HS23070869-05

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070869

QC BATCH REPORT

Batch ID: R441711 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230718** Units: **ug/L** Analysis Date: **18-Jul-2023 23:33**
Client ID: Run ID: **VOA7_441711** SeqNo: **7436950** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*48.27*	*1.0*	*50*	*0*	*96.5*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49*	*1.0*	*50*	*0*	*98.0*	*77 - 113*				
Surr: Dibromofluoromethane	*49.24*	*1.0*	*50*	*0*	*98.5*	*73 - 126*				
Surr: Toluene-d8	*50.17*	*1.0*	*50*	*0*	*100*	*81 - 120*				

LCS Sample ID: **VLCSW-230718** Units: **ug/L** Analysis Date: **18-Jul-2023 22:50**
Client ID: Run ID: **VOA7_441711** SeqNo: **7436949** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	20.97	1.0	20	0	105	70 - 124				
Benzene	21.04	1.0	20	0	105	74 - 120				
Chlorobenzene	21.47	1.0	20	0	107	76 - 113				
Ethylbenzene	21.53	1.0	20	0	108	77 - 117				
Methylene chloride	21.18	2.0	20	0	106	70 - 127				
Toluene	20.65	1.0	20	0	103	77 - 118				
Xylenes, Total	64.61	3.0	60	0	108	75 - 122				
Surr: 1,2-Dichloroethane-d4	*48.94*	*1.0*	*50*	*0*	*97.9*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.76*	*1.0*	*50*	*0*	*99.5*	*77 - 113*				
Surr: Dibromofluoromethane	*50.68*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*50*	*1.0*	*50*	*0*	*100.0*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070869

QC BATCH REPORT

Batch ID: R441711 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23070869-11MS** Units: **ug/L** Analysis Date: **19-Jul-2023 00:59**
Client ID: **WG-1620-MW88B-20230712** Run ID: **VOA7_441711** SeqNo: **7436954** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	15.24	1.0	20	0	76.2	70 - 127				
Benzene	15.51	1.0	20	0	77.6	70 - 127				
Chlorobenzene	16.11	1.0	20	0	80.6	70 - 114				
Ethylbenzene	16.35	1.0	20	0	81.8	70 - 124				
Methylene chloride	14.41	2.0	20	0	72.1	70 - 128				
Toluene	15.9	1.0	20	0	79.5	70 - 123				
Xylenes, Total	49.09	3.0	60	0	81.8	70 - 130				
Surr: 1,2-Dichloroethane-d4	*48.38*	*1.0*	*50*	*0*	*96.8*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.65*	*1.0*	*50*	*0*	*99.3*	*77 - 113*				
Surr: Dibromofluoromethane	*48.82*	*1.0*	*50*	*0*	*97.6*	*77 - 123*				
Surr: Toluene-d8	*49.99*	*1.0*	*50*	*0*	*100.0*	*82 - 127*				

MSD Sample ID: **HS23070869-11MSD** Units: **ug/L** Analysis Date: **19-Jul-2023 01:20**
Client ID: **WG-1620-MW88B-20230712** Run ID: **VOA7_441711** SeqNo: **7436955** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	14.8	1.0	20	0	74.0	70 - 127	15.24	2.95	20	
Benzene	15.06	1.0	20	0	75.3	70 - 127	15.51	2.99	20	
Chlorobenzene	15.71	1.0	20	0	78.5	70 - 114	16.11	2.55	20	
Ethylbenzene	15.89	1.0	20	0	79.4	70 - 124	16.35	2.87	20	
Methylene chloride	15.02	2.0	20	0	75.1	70 - 128	14.41	4.16	20	
Toluene	15.25	1.0	20	0	76.2	70 - 123	15.9	4.15	20	
Xylenes, Total	47.33	3.0	60	0	78.9	70 - 130	49.09	3.64	20	
Surr: 1,2-Dichloroethane-d4	*49.4*	*1.0*	*50*	*0*	*98.8*	*70 - 126*	*48.38*	*2.08*	*20*	
Surr: 4-Bromofluorobenzene	*49.81*	*1.0*	*50*	*0*	*99.6*	*77 - 113*	*49.65*	*0.331*	*20*	
Surr: Dibromofluoromethane	*49.4*	*1.0*	*50*	*0*	*98.8*	*77 - 123*	*48.82*	*1.17*	*20*	
Surr: Toluene-d8	*50.47*	*1.0*	*50*	*0*	*101*	*82 - 127*	*49.99*	*0.968*	*20*	

The following samples were analyzed in this batch:

HS23070869-06	HS23070869-07	HS23070869-08	HS23070869-09
HS23070869-10	HS23070869-11	HS23070869-12	HS23070869-13
HS23070869-14	HS23070869-15		

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070869

QC BATCH REPORT

Batch ID: R441788 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230719** Units: **ug/L** Analysis Date: **19-Jul-2023 22:13**
Client ID: Run ID: **VOA7_441788** SeqNo: **7438935** 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								
Ethylbenzene	< 0.30	1.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*47.54*	*1.0*	*50*	*0*	*95.1*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.1*	*1.0*	*50*	*0*	*96.2*	*77 - 113*				
Surr: Dibromofluoromethane	*48.65*	*1.0*	*50*	*0*	*97.3*	*73 - 126*				
Surr: Toluene-d8	*50.03*	*1.0*	*50*	*0*	*100*	*81 - 120*				

LCS Sample ID: **VLCSW-230719** Units: **ug/L** Analysis Date: **19-Jul-2023 21:30**
Client ID: Run ID: **VOA7_441788** SeqNo: **7438934** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.52	1.0	20	0	97.6	74 - 120				
Ethylbenzene	20.02	1.0	20	0	100	77 - 117				
Toluene	19.3	1.0	20	0	96.5	77 - 118				
Xylenes, Total	60.55	3.0	60	0	101	75 - 122				
Surr: 1,2-Dichloroethane-d4	*48.75*	*1.0*	*50*	*0*	*97.5*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.25*	*1.0*	*50*	*0*	*98.5*	*77 - 113*				
Surr: Dibromofluoromethane	*50.18*	*1.0*	*50*	*0*	*100*	*73 - 126*				
Surr: Toluene-d8	*50.06*	*1.0*	*50*	*0*	*100*	*81 - 120*				

MS Sample ID: **HS23070848-11MS** Units: **ug/L** Analysis Date: **19-Jul-2023 22:56**
Client ID: Run ID: **VOA7_441788** SeqNo: **7438937** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	15.41	1.0	20	0	77.0	70 - 127				
Ethylbenzene	16.19	1.0	20	0	80.9	70 - 124				
Toluene	15.36	1.0	20	0	76.8	70 - 123				
Xylenes, Total	47.57	3.0	60	0	79.3	70 - 130				
Surr: 1,2-Dichloroethane-d4	*49.09*	*1.0*	*50*	*0*	*98.2*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.24*	*1.0*	*50*	*0*	*98.5*	*77 - 113*				
Surr: Dibromofluoromethane	*50.37*	*1.0*	*50*	*0*	*101*	*77 - 123*				
Surr: Toluene-d8	*49.88*	*1.0*	*50*	*0*	*99.8*	*82 - 127*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070869

QC BATCH REPORT

Batch ID: R441788 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS23070848-11MSD** Units: **ug/L** Analysis Date: **19-Jul-2023 23:18**
Client ID: Run ID: **VOA7_441788** SeqNo: **7438938** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	15.28	1.0	20	0	76.4	70 - 127	15.41	0.813	20	
Ethylbenzene	15.87	1.0	20	0	79.4	70 - 124	16.19	1.98	20	
Toluene	15.26	1.0	20	0	76.3	70 - 123	15.36	0.626	20	
Xylenes, Total	47.17	3.0	60	0	78.6	70 - 130	47.57	0.83	20	
Surr: 1,2-Dichloroethane-d4	*48.6*	*1.0*	*50*	*0*	*97.2*	*70 - 126*	*49.09*	*1.01*	*20*	
Surr: 4-Bromofluorobenzene	*49.05*	*1.0*	*50*	*0*	*98.1*	*77 - 113*	*49.24*	*0.373*	*20*	
Surr: Dibromofluoromethane	*49.42*	*1.0*	*50*	*0*	*98.8*	*77 - 123*	*50.37*	*1.91*	*20*	
Surr: Toluene-d8	*50.21*	*1.0*	*50*	*0*	*100*	*82 - 127*	*49.88*	*0.659*	*20*	

The following samples were analyzed in this batch: HS23070869-06 HS23070869-07

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: **HS23070869**

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	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23070869 **Date/Time Received:** **13-Jul-2023 10:55**

Client Name: PBW **Received by:** **Paresh M. Giga**

Completed By:	/S/ Ragen Giga	17-Jul-2023 20:15	**Reviewed by:**	/S/ Nieka.Carson	18-Jul-2023 07:07
	eSignature	Date/Time		eSignature	Date/Time

Matrices: 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:295417/416
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):	4.1UC/4.0C , 3.4UC/3.3C , 4.1UC/4.0C , 2.7UC/2.6C	IR31
Cooler(s)/Kit(s):	51334/45858/51421/45523	
Date/Time sample(s) sent to storage:		

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: 295417

HS23070869

WV

WSP Golder

Houston TX-Wood Preserving Works 1620-02

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@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-MW14-20230711	7-11-23	1140	GW		6	X	X	X								
2	WG-1620-MW15B-20230711		1230	GW		6	X	X	X								
3	WG-1620-MW15C-20230711		1315	GW		6	X	X	X								
4	WG-1620-MW15A-20230711		1410	GW		6	X	X	X								
5	WG-1620-MW17C-20230711		1510	GW		6		X	X	X							
6	WG-1620-MW17-20230711		1600	GW		6	X	X	X								
7	WG-1620-MW21C-20230711		1720	GW		6	X	X	X								
8	WG-1620-FD01-20230711		1720	GW		6	X	X	X								
9	WG-1620-FB04-20230711		1750	GW		6	X	X	X								
10	WG-1620-MW88A-20230712	7-12-23	0745	GW		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: 7-13-23	Time: 1055	Received by:	Notes: Houston TX-Wood Preserving Works 1620-02	
Relinquished by:	Date:	Time:	Received by (Laboratory): 7/13/23 10:55	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	51334	4.1°
				45858	3.4°
				51421	4.1°
				45523	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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Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

COC ID: 295416

HS23070869

WSP Golder

Houston TX-Wood Preserving Works 1620-02

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	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	Michelle_Hermiston@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-MW88B-20230712	7-12-23	0840	GW		12	X	X	X		X						
2	WG-1620-MW88C-20230712		0930	GW		6	X	X	X								
3	WG-1620-MW12C-20230712		1025	GW		6	X	X	X								
4	WG-1620-MW12A-20230712		1210	GW		6	X	X	X								
5	WG-1620-TB03-20230712					2	X										
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOHN BRAMPTON

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: 7-13-23	Time: 1055	Received by:	
Relinquished by:		Date:	Time:	Received by (Laboratory):	7/13/23 10:55
Logged by (Laboratory):		Date:	Time:	Checked by (Laboratory):	

Notes: Houston TX-Wood Preserving Works 1620-02

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

- [ ] Level II Std QC
- [ ] Level III Std QC/Raw Data
- [ ] Level IV SVM848/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
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August 11, 2023

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS23070942**

Laboratory Results for: **Houston TX-Wood Preserving Works 1620-02**

Dear Eric Matzner,

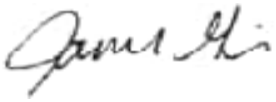
ALS Environmental received 12 sample(s) on Jul 14, 2023 for the analysis presented in the following report.

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
James Guin

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works 1620-02	
WorkOrder:	**HS23070942**	

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.

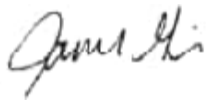
R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	WSP Golder
Project:	Houston TX-Wood Preserving Works 1620-02
WorkOrder:	**HS23070942**

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.



James Guin

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/11/2023					
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23070942					
Reviewer Name: James Guin			Prep Batch Number(s): 197753,198147,R441788,R441895,R442040					
#[1]	A[2]	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?		X			2
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			3
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		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: 08/11/2023				
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23070942				
Reviewer Name: James Guin			Prep Batch Number(s): 197753,198147,R441788,R441895,R442040				
#[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: 08/11/2023
Project Name: Houston TX-Wood Preserving Works 1620-02	Laboratory Job Number: HS23070942
Reviewer Name: James Guin	Prep Batch Number(s): 197753,198147,R441788,R441895,R442040

ER#[5]	Description
1	Semivolatiles Method SW8270, samples WG-1620-MW23C-20230712, WG-1620-MW18C-20230712, WG-1620-MW18A-20230712, WG-1620-MW57B-20230713, WG-1620-MW72B-20230713, WG-1620-TW41B-20230713 : surrogate recoveries could not be determined due to dilution below the calibration range. Semivolatiles Method SW8270, sample WG-1620-MW58A-20230712, Surrogate recoveries were outside of the control limits due to matrix interference.
2	Batch R441895, Volatiles Method SW8260, sample HS23070948-01, MS and MSD were performed on unrelated sample.
3	Batch 197753, Semivolatiles Method SW8270, sample HS23070880-04, MS/MSD RPD was performed on unrelated sample.
4	Batch 197753, Semivolatiles Method SW8270, for multiple samples: The GCMS semi-volatile extract of the samples were run at a dilution due to a high level of matrix interference. Batch R442040, Volatiles Method SW8260, for multiple samples: Lowest possible dilution due to high concentrations of non-target analytes.

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 1620-02
Work Order: HS23070942

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23070942-01	WG-1620-MW23C-20230712	GW		12-Jul-2023 13:05	14-Jul-2023 08:10	☐
HS23070942-02	WG-1620-MW19C-20230712	GW		12-Jul-2023 14:15	14-Jul-2023 08:10	☐
HS23070942-03	WG-1620-MW18C-20230712	GW		12-Jul-2023 15:10	14-Jul-2023 08:10	☐
HS23070942-04	WG-1620-MW18A-20230712	GW		12-Jul-2023 15:55	14-Jul-2023 08:10	☐
HS23070942-05	WG-1620-MW58A-20230712	GW		12-Jul-2023 16:50	14-Jul-2023 08:10	☐
HS23070942-06	WG-1620-MW57A-20230712	GW		12-Jul-2023 17:50	14-Jul-2023 08:10	☐
HS23070942-07	WG-1620-MW57B-20230713	GW		13-Jul-2023 07:45	14-Jul-2023 08:10	☐
HS23070942-08	WG-1620-MW72B-20230713	GW		13-Jul-2023 08:40	14-Jul-2023 08:10	☐
HS23070942-09	WG-1620-MW13-20230713	GW		13-Jul-2023 09:35	14-Jul-2023 08:10	☐
HS23070942-10	WG-1620-MW39B-20230713	GW		13-Jul-2023 10:25	14-Jul-2023 08:10	☐
HS23070942-11	WG-1620-TW41B-20230713	GW		13-Jul-2023 12:15	14-Jul-2023 08:10	☐
HS23070942-12	WG-1620-FB06-20230713	Water		13-Jul-2023 12:40	14-Jul-2023 08:10	☐

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW23C-20230712 Lab ID:HS23070942-01
Collection Date: 12-Jul-2023 13:05 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.0020		0.0020	0.010	mg/L	10	22-Jul-2023 13:04
Benzene	**0.0095**	J	**0.0020**	**0.010**	**mg/L**	10	22-Jul-2023 13:04
Chlorobenzene	< 0.0030		0.0030	0.010	mg/L	10	22-Jul-2023 13:04
Ethylbenzene	**0.10**		**0.0030**	**0.010**	**mg/L**	10	22-Jul-2023 13:04
Methylene chloride	< 0.010		0.010	0.020	mg/L	10	22-Jul-2023 13:04
Toluene	**0.023**		**0.0020**	**0.010**	**mg/L**	10	22-Jul-2023 13:04
Xylenes, Total	**0.080**		**0.0030**	**0.030**	**mg/L**	10	22-Jul-2023 13:04
Surr: 1,2-Dichloroethane-d4	*88.7*			*70-126*	*%REC*	*10*	*22-Jul-2023 13:04*
Surr: 4-Bromofluorobenzene	*94.4*			*77-113*	*%REC*	*10*	*22-Jul-2023 13:04*
Surr: Dibromofluoromethane	*96.6*			*77-123*	*%REC*	*10*	*22-Jul-2023 13:04*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*10*	*22-Jul-2023 13:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW23C-20230712
Collection Date: 12-Jul-2023 13:05

ANALYTICAL REPORT
WorkOrder:HS23070942
Lab ID:HS23070942-01
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 19-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	08-Aug-2023 15:58
2,4-Dimethylphenol	**0.024**		**0.00040**	**0.0020**	**mg/L**	10	08-Aug-2023 15:58
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	08-Aug-2023 15:58
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	08-Aug-2023 15:58
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	08-Aug-2023 15:58
2-Methylnaphthalene	**0.37**		**0.0019**	**0.010**	**mg/L**	100	08-Aug-2023 16:21
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	08-Aug-2023 15:58
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	08-Aug-2023 15:58
Acenaphthene	**0.28**		**0.0027**	**0.010**	**mg/L**	100	08-Aug-2023 16:21
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	08-Aug-2023 15:58
Anthracene	**0.013**		**0.00014**	**0.0010**	**mg/L**	10	08-Aug-2023 15:58
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	08-Aug-2023 15:58
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	08-Aug-2023 15:58
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	08-Aug-2023 15:58
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	08-Aug-2023 15:58
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	08-Aug-2023 15:58
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	08-Aug-2023 15:58
Dibenzofuran	**0.26**		**0.0020**	**0.010**	**mg/L**	100	08-Aug-2023 16:21
Fluoranthene	**0.0081**		**0.00010**	**0.0010**	**mg/L**	10	08-Aug-2023 15:58
Fluorene	**0.097**		**0.00030**	**0.0010**	**mg/L**	10	08-Aug-2023 15:58
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	08-Aug-2023 15:58
Naphthalene	**4.4**		**0.020**	**0.10**	**mg/L**	1000	08-Aug-2023 16:44
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	08-Aug-2023 15:58
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	08-Aug-2023 15:58
Phenanthrene	**0.13**		**0.0021**	**0.010**	**mg/L**	100	08-Aug-2023 16:21
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	08-Aug-2023 15:58
Pyrene	**0.0046**		**0.00019**	**0.0010**	**mg/L**	10	08-Aug-2023 15:58
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*08-Aug-2023 16:21*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*08-Aug-2023 16:44*
Surr: 2,4,6-Tribromophenol	*95.8*			*34-129*	*%REC*	*10*	*08-Aug-2023 15:58*
Surr: 2-Fluorobiphenyl	*93.4*			*40-125*	*%REC*	*10*	*08-Aug-2023 15:58*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*08-Aug-2023 16:21*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*08-Aug-2023 16:44*
Surr: 2-Fluorophenol	*85.4*			*20-120*	*%REC*	*10*	*08-Aug-2023 15:58*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*08-Aug-2023 16:21*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*08-Aug-2023 16:44*
Surr: 4-Terphenyl-d14	*112*			*40-135*	*%REC*	*10*	*08-Aug-2023 15:58*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*08-Aug-2023 16:21*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*08-Aug-2023 16:44*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW23C-20230712 Lab ID:HS23070942-01
Collection Date: 12-Jul-2023 13:05 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 19-Jul-2023		Analyst: MBG
Surr: Nitrobenzene-d5	*116*			*41-120*	*%REC*	*10*	*08-Aug-2023 15:58*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*08-Aug-2023 16:21*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*08-Aug-2023 16:44*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*08-Aug-2023 16:21*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*08-Aug-2023 16:44*
Surr: Phenol-d6	*80.5*			*20-120*	*%REC*	*10*	*08-Aug-2023 15:58*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 27-Jul-2023		Analyst: JC
Arsenic	**0.00784**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 22:17

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW19C-20230712 Lab ID:HS23070942-02
Collection Date: 12-Jul-2023 14:15 Matrix:GW

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-2023 02:12
Benzene	**0.0012**		**0.00020**	**0.0010**	**mg/L**	1	21-Jul-2023 02:12
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2023 02:12
Ethylbenzene	**0.0012**		**0.00030**	**0.0010**	**mg/L**	1	21-Jul-2023 02:12
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2023 02:12
Toluene	**0.0014**		**0.00020**	**0.0010**	**mg/L**	1	21-Jul-2023 02:12
Xylenes, Total	**0.00091**	J	**0.00030**	**0.0030**	**mg/L**	1	21-Jul-2023 02:12
Surr: 1,2-Dichloroethane-d4	*95.3*			*70-126*	*%REC*	*1*	*21-Jul-2023 02:12*
Surr: 4-Bromofluorobenzene	*96.4*			*77-113*	*%REC*	*1*	*21-Jul-2023 02:12*
Surr: Dibromofluoromethane	*99.3*			*77-123*	*%REC*	*1*	*21-Jul-2023 02:12*
Surr: Toluene-d8	*99.6*			*82-127*	*%REC*	*1*	*21-Jul-2023 02:12*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW19C-20230712 Lab ID:HS23070942-02
Collection Date: 12-Jul-2023 14:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 19-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 16:19
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2023 16:19
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2023 16:19
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2023 16:19
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 16:19
2-Methylnaphthalene	**0.000047**	J	**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2023 16:19
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2023 16:19
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2023 16:19
Acenaphthene	**0.0013**		**0.000027**	**0.00010**	**mg/L**	1	03-Aug-2023 16:19
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2023 16:19
Anthracene	**0.000051**	J	**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2023 16:19
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2023 16:19
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 16:19
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2023 16:19
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2023 16:19
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 16:19
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2023 16:19
Dibenzofuran	**0.00049**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2023 16:19
Fluoranthene	**0.000078**	J	**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2023 16:19
Fluorene	**0.00040**		**0.000030**	**0.00010**	**mg/L**	1	03-Aug-2023 16:19
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2023 16:19
Naphthalene	**0.00023**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2023 16:19
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2023 16:19
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2023 16:19
Phenanthrene	**0.00012**		**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2023 16:19
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2023 16:19
Pyrene	**0.000066**	J	**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2023 16:19
Surr: 2,4,6-Tribromophenol	*73.7*			*34-129*	*%REC*	*1*	*03-Aug-2023 16:19*
Surr: 2-Fluorobiphenyl	*58.0*			*40-125*	*%REC*	*1*	*03-Aug-2023 16:19*
Surr: 2-Fluorophenol	*46.3*			*20-120*	*%REC*	*1*	*03-Aug-2023 16:19*
Surr: 4-Terphenyl-d14	*73.5*			*40-135*	*%REC*	*1*	*03-Aug-2023 16:19*
Surr: Nitrobenzene-d5	*48.2*			*41-120*	*%REC*	*1*	*03-Aug-2023 16:19*
Surr: Phenol-d6	*49.2*			*20-120*	*%REC*	*1*	*03-Aug-2023 16:19*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2023		Analyst: JC
Arsenic	**0.00101**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 22:19

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW18C-20230712 Lab ID:HS23070942-03
Collection Date: 12-Jul-2023 15:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.0050		0.0050	0.025	mg/L	25	22-Jul-2023 13:25
Benzene	**1.2**		**0.0050**	**0.025**	**mg/L**	25	22-Jul-2023 13:25
Chlorobenzene	< 0.0075		0.0075	0.025	mg/L	25	22-Jul-2023 13:25
Ethylbenzene	**0.33**		**0.0075**	**0.025**	**mg/L**	25	22-Jul-2023 13:25
Methylene chloride	< 0.025		0.025	0.050	mg/L	25	22-Jul-2023 13:25
Toluene	**0.90**		**0.0050**	**0.025**	**mg/L**	25	22-Jul-2023 13:25
Xylenes, Total	**1.0**		**0.0075**	**0.075**	**mg/L**	25	22-Jul-2023 13:25
Surr: 1,2-Dichloroethane-d4	*85.4*			*70-126*	*%REC*	*25*	*22-Jul-2023 13:25*
Surr: 4-Bromofluorobenzene	*95.2*			*77-113*	*%REC*	*25*	*22-Jul-2023 13:25*
Surr: Dibromofluoromethane	*94.7*			*77-123*	*%REC*	*25*	*22-Jul-2023 13:25*
Surr: Toluene-d8	*96.7*			*82-127*	*%REC*	*25*	*22-Jul-2023 13:25*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW18C-20230712 Lab ID:HS23070942-03
Collection Date: 12-Jul-2023 15:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 19-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	08-Aug-2023 17:07
2,4-Dimethylphenol	< 0.0040		0.0040	0.020	mg/L	100	08-Aug-2023 17:07
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	08-Aug-2023 17:07
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	08-Aug-2023 17:07
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	08-Aug-2023 17:07
2-Methylnaphthalene	**0.16**		**0.0019**	**0.010**	**mg/L**	100	08-Aug-2023 17:07
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	08-Aug-2023 17:07
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	08-Aug-2023 17:07
Acenaphthene	**0.045**		**0.0027**	**0.010**	**mg/L**	100	08-Aug-2023 17:07
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	08-Aug-2023 17:07
Anthracene	< 0.0014		0.0014	0.010	mg/L	100	08-Aug-2023 17:07
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	08-Aug-2023 17:07
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	08-Aug-2023 17:07
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	08-Aug-2023 17:07
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	08-Aug-2023 17:07
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	08-Aug-2023 17:07
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	08-Aug-2023 17:07
Dibenzofuran	**0.042**		**0.0020**	**0.010**	**mg/L**	100	08-Aug-2023 17:07
Fluoranthene	< 0.0010		0.0010	0.010	mg/L	100	08-Aug-2023 17:07
Fluorene	**0.018**		**0.0030**	**0.010**	**mg/L**	100	08-Aug-2023 17:07
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	08-Aug-2023 17:07
Naphthalene	**5.5**		**0.020**	**0.10**	**mg/L**	1000	08-Aug-2023 17:30
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	08-Aug-2023 17:07
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	08-Aug-2023 17:07
Phenanthrene	**0.018**		**0.0021**	**0.010**	**mg/L**	100	08-Aug-2023 17:07
Phenol	< 0.0035		0.0035	0.020	mg/L	100	08-Aug-2023 17:07
Pyrene	< 0.0019		0.0019	0.010	mg/L	100	08-Aug-2023 17:07
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*08-Aug-2023 17:30*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*08-Aug-2023 17:07*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*08-Aug-2023 17:07*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*08-Aug-2023 17:30*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*08-Aug-2023 17:30*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*08-Aug-2023 17:07*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*08-Aug-2023 17:07*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*08-Aug-2023 17:30*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*08-Aug-2023 17:07*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*08-Aug-2023 17:30*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*08-Aug-2023 17:07*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*08-Aug-2023 17:30*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW18C-20230712 Lab ID:HS23070942-03
Collection Date: 12-Jul-2023 15:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 27-Jul-2023		Analyst: JC
Arsenic	**0.00223**		**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 15:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW18A-20230712 Lab ID:HS23070942-04
Collection Date: 12-Jul-2023 15:55 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 2.0		2.0	10	ug/L	10	22-Jul-2023 13:46
Benzene	**320**		**2.0**	**10**	**ug/L**	10	22-Jul-2023 13:46
Chlorobenzene	< 3.0		3.0	10	ug/L	10	22-Jul-2023 13:46
Ethylbenzene	**120**		**3.0**	**10**	**ug/L**	10	22-Jul-2023 13:46
Methylene chloride	< 10		10	20	ug/L	10	22-Jul-2023 13:46
Toluene	**10**		**2.0**	**10**	**ug/L**	10	22-Jul-2023 13:46
Vinyl chloride	< 2.0		2.0	10	ug/L	10	22-Jul-2023 13:46
Xylenes, Total	**93**		**3.0**	**30**	**ug/L**	10	22-Jul-2023 13:46
Surr: 1,2-Dichloroethane-d4	*84.7*			*70-126*	*%REC*	*10*	*22-Jul-2023 13:46*
Surr: 4-Bromofluorobenzene	*95.8*			*77-113*	*%REC*	*10*	*22-Jul-2023 13:46*
Surr: Dibromofluoromethane	*92.4*			*77-123*	*%REC*	*10*	*22-Jul-2023 13:46*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*10*	*22-Jul-2023 13:46*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW18A-20230712 Lab ID:HS23070942-04
Collection Date: 12-Jul-2023 15:55 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 19-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 17:07
2,4-Dimethylphenol	**0.41**		**0.0040**	**0.020**	**mg/L**	100	08-Aug-2023 18:16
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 17:07
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 17:07
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 17:07
2-Methylnaphthalene	**0.14**		**0.0019**	**0.010**	**mg/L**	100	08-Aug-2023 18:16
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 17:07
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 17:07
Acenaphthene	**0.087**		**0.00027**	**0.0010**	**mg/L**	10	03-Aug-2023 17:07
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 17:07
Anthracene	**0.0034**		**0.00014**	**0.0010**	**mg/L**	10	03-Aug-2023 17:07
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 17:07
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 17:07
Bis(2-chloroethoxy)methane	**0.013**		**0.00030**	**0.0020**	**mg/L**	10	03-Aug-2023 17:07
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 17:07
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 17:07
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 17:07
Dibenzofuran	**0.057**		**0.00020**	**0.0010**	**mg/L**	10	03-Aug-2023 17:07
Fluoranthene	**0.0010**		**0.00010**	**0.0010**	**mg/L**	10	03-Aug-2023 17:07
Fluorene	**0.046**		**0.00030**	**0.0010**	**mg/L**	10	03-Aug-2023 17:07
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 17:07
Naphthalene	**0.82**		**0.0020**	**0.010**	**mg/L**	100	08-Aug-2023 18:16
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 17:07
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 17:07
Phenanthrene	**0.034**		**0.00021**	**0.0010**	**mg/L**	10	03-Aug-2023 17:07
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 17:07
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 17:07
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*08-Aug-2023 18:16*
Surr: 2,4,6-Tribromophenol	*80.3*			*34-129*	*%REC*	*10*	*03-Aug-2023 17:07*
Surr: 2-Fluorobiphenyl	*65.0*			*40-125*	*%REC*	*10*	*03-Aug-2023 17:07*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*08-Aug-2023 18:16*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*08-Aug-2023 18:16*
Surr: 2-Fluorophenol	*60.3*			*20-120*	*%REC*	*10*	*03-Aug-2023 17:07*
Surr: 4-Terphenyl-d14	*74.4*			*40-135*	*%REC*	*10*	*03-Aug-2023 17:07*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*08-Aug-2023 18:16*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*08-Aug-2023 18:16*
Surr: Nitrobenzene-d5	*54.2*			*41-120*	*%REC*	*10*	*03-Aug-2023 17:07*
Surr: Phenol-d6	*54.6*			*20-120*	*%REC*	*10*	*03-Aug-2023 17:07*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*08-Aug-2023 18:16*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW18A-20230712
Collection Date: 12-Jul-2023 15:55

ANALYTICAL REPORT
WorkOrder:HS23070942
Lab ID:HS23070942-04
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 27-Jul-2023		Analyst: JC
Arsenic	**0.0157**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 22:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW58A-20230712 Lab ID:HS23070942-05
Collection Date: 12-Jul-2023 16:50 Matrix:GW

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-2023 03:17
Benzene	**0.011**		**0.00020**	**0.0010**	**mg/L**	1	21-Jul-2023 03:17
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2023 03:17
Ethylbenzene	**0.00083**	J	**0.00030**	**0.0010**	**mg/L**	1	21-Jul-2023 03:17
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2023 03:17
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2023 03:17
Xylenes, Total	**0.0050**		**0.00030**	**0.0030**	**mg/L**	1	21-Jul-2023 03:17
Surr: 1,2-Dichloroethane-d4	*97.5*			*70-126*	*%REC*	*1*	*21-Jul-2023 03:17*
Surr: 4-Bromofluorobenzene	*99.7*			*77-113*	*%REC*	*1*	*21-Jul-2023 03:17*
Surr: Dibromofluoromethane	*99.6*			*77-123*	*%REC*	*1*	*21-Jul-2023 03:17*
Surr: Toluene-d8	*98.9*			*82-127*	*%REC*	*1*	*21-Jul-2023 03:17*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW58A-20230712 Lab ID:HS23070942-05
Collection Date: 12-Jul-2023 16:50 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 19-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 17:31
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2023 17:31
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2023 17:31
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2023 17:31
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 17:31
2-Methylnaphthalene	**0.0035**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2023 17:31
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2023 17:31
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2023 17:31
Acenaphthene	**0.014**		**0.00027**	**0.0010**	**mg/L**	10	08-Aug-2023 18:39
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2023 17:31
Anthracene	**0.00100**		**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2023 17:31
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2023 17:31
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 17:31
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2023 17:31
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2023 17:31
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 17:31
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2023 17:31
Dibenzofuran	**0.0017**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2023 17:31
Fluoranthene	**0.0014**		**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2023 17:31
Fluorene	**0.0095**		**0.000030**	**0.00010**	**mg/L**	1	03-Aug-2023 17:31
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2023 17:31
Naphthalene	**0.053**		**0.00020**	**0.0010**	**mg/L**	10	08-Aug-2023 18:39
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2023 17:31
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2023 17:31
Phenanthrene	**0.0047**		**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2023 17:31
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2023 17:31
Pyrene	**0.00066**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2023 17:31
Surr: 2,4,6-Tribromophenol	*68.1*			*34-129*	*%REC*	*1*	*03-Aug-2023 17:31*
Surr: 2,4,6-Tribromophenol	*52.1*			*34-129*	*%REC*	*10*	*08-Aug-2023 18:39*
Surr: 2-Fluorobiphenyl	*44.6*			*40-125*	*%REC*	*10*	*08-Aug-2023 18:39*
Surr: 2-Fluorobiphenyl	*39.3*	*S*		*40-125*	*%REC*	*1*	*03-Aug-2023 17:31*
Surr: 2-Fluorophenol	*33.7*			*20-120*	*%REC*	*1*	*03-Aug-2023 17:31*
Surr: 2-Fluorophenol	*37.2*	*J*		*20-120*	*%REC*	*10*	*08-Aug-2023 18:39*
Surr: 4-Terphenyl-d14	*73.6*			*40-135*	*%REC*	*1*	*03-Aug-2023 17:31*
Surr: 4-Terphenyl-d14	*88.2*			*40-135*	*%REC*	*10*	*08-Aug-2023 18:39*
Surr: Nitrobenzene-d5	*37.7*	*JS*		*41-120*	*%REC*	*10*	*08-Aug-2023 18:39*
Surr: Nitrobenzene-d5	*33.8*	*S*		*41-120*	*%REC*	*1*	*03-Aug-2023 17:31*
Surr: Phenol-d6	*35.4*			*20-120*	*%REC*	*1*	*03-Aug-2023 17:31*
Surr: Phenol-d6	*40.9*			*20-120*	*%REC*	*10*	*08-Aug-2023 18:39*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW58A-20230712 Lab ID:HS23070942-05
Collection Date: 12-Jul-2023 16:50 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 27-Jul-2023		Analyst: JC
Arsenic	**0.000646**	J	**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 22:25

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW57A-20230712 Lab ID:HS23070942-06
Collection Date: 12-Jul-2023 17:50 Matrix:GW

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-2023 03:38
Benzene	**0.0018**		**0.00020**	**0.0010**	**mg/L**	1	21-Jul-2023 03:38
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2023 03:38
Ethylbenzene	**0.0016**		**0.00030**	**0.0010**	**mg/L**	1	21-Jul-2023 03:38
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2023 03:38
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2023 03:38
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	21-Jul-2023 03:38
Surr: 1,2-Dichloroethane-d4	*96.6*			*70-126*	*%REC*	*1*	*21-Jul-2023 03:38*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*1*	*21-Jul-2023 03:38*
Surr: Dibromofluoromethane	*97.1*			*77-123*	*%REC*	*1*	*21-Jul-2023 03:38*
Surr: Toluene-d8	*98.2*			*82-127*	*%REC*	*1*	*21-Jul-2023 03:38*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW57A-20230712 Lab ID:HS23070942-06
Collection Date: 12-Jul-2023 17:50 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 19-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 17:55
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2023 17:55
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2023 17:55
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2023 17:55
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 17:55
2-Methylnaphthalene	**0.0032**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2023 17:55
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2023 17:55
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2023 17:55
Acenaphthene	**0.038**		**0.00027**	**0.0010**	**mg/L**	10	08-Aug-2023 19:02
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2023 17:55
Anthracene	**0.0076**		**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2023 17:55
Benz(a)anthracene	**0.00043**		**0.000050**	**0.00010**	**mg/L**	1	03-Aug-2023 17:55
Benzo(a)pyrene	**0.00022**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2023 17:55
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2023 17:55
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2023 17:55
Chrysene	**0.00042**		**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2023 17:55
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2023 17:55
Dibenzofuran	**0.023**		**0.00020**	**0.0010**	**mg/L**	10	08-Aug-2023 19:02
Fluoranthene	**0.0048**		**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2023 17:55
Fluorene	**0.023**		**0.00030**	**0.0010**	**mg/L**	10	08-Aug-2023 19:02
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2023 17:55
Naphthalene	**0.00032**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2023 17:55
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2023 17:55
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2023 17:55
Phenanthrene	**0.016**		**0.00021**	**0.0010**	**mg/L**	10	08-Aug-2023 19:02
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2023 17:55
Pyrene	**0.0028**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2023 17:55
Surr: 2,4,6-Tribromophenol	*66.2*			*34-129*	*%REC*	*10*	*08-Aug-2023 19:02*
Surr: 2,4,6-Tribromophenol	*74.7*			*34-129*	*%REC*	*1*	*03-Aug-2023 17:55*
Surr: 2-Fluorobiphenyl	*61.6*			*40-125*	*%REC*	*1*	*03-Aug-2023 17:55*
Surr: 2-Fluorobiphenyl	*76.2*			*40-125*	*%REC*	*10*	*08-Aug-2023 19:02*
Surr: 2-Fluorophenol	*60.8*			*20-120*	*%REC*	*10*	*08-Aug-2023 19:02*
Surr: 2-Fluorophenol	*50.1*			*20-120*	*%REC*	*1*	*03-Aug-2023 17:55*
Surr: 4-Terphenyl-d14	*68.6*			*40-135*	*%REC*	*1*	*03-Aug-2023 17:55*
Surr: 4-Terphenyl-d14	*87.8*			*40-135*	*%REC*	*10*	*08-Aug-2023 19:02*
Surr: Nitrobenzene-d5	*63.5*			*41-120*	*%REC*	*10*	*08-Aug-2023 19:02*
Surr: Nitrobenzene-d5	*52.1*			*41-120*	*%REC*	*1*	*03-Aug-2023 17:55*
Surr: Phenol-d6	*52.7*			*20-120*	*%REC*	*1*	*03-Aug-2023 17:55*
Surr: Phenol-d6	*65.8*			*20-120*	*%REC*	*10*	*08-Aug-2023 19:02*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW57A-20230712 Lab ID:HS23070942-06
Collection Date: 12-Jul-2023 17:50 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 27-Jul-2023		Analyst: JC
Arsenic	**0.0212**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 22:27

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW57B-20230713 Lab ID:HS23070942-07
Collection Date: 13-Jul-2023 07:45 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.020		0.020	0.10	mg/L	100	21-Jul-2023 04:00
Benzene	**1.3**		**0.020**	**0.10**	**mg/L**	100	21-Jul-2023 04:00
Chlorobenzene	< 0.030		0.030	0.10	mg/L	100	21-Jul-2023 04:00
Ethylbenzene	**0.40**		**0.030**	**0.10**	**mg/L**	100	21-Jul-2023 04:00
Methylene chloride	< 0.10		0.10	0.20	mg/L	100	21-Jul-2023 04:00
Toluene	**1.3**		**0.020**	**0.10**	**mg/L**	100	21-Jul-2023 04:00
Xylenes, Total	**1.1**		**0.030**	**0.30**	**mg/L**	100	21-Jul-2023 04:00
Surr: 1,2-Dichloroethane-d4	*95.5*			*70-126*	*%REC*	*100*	*21-Jul-2023 04:00*
Surr: 4-Bromofluorobenzene	*98.7*			*77-113*	*%REC*	*100*	*21-Jul-2023 04:00*
Surr: Dibromofluoromethane	*98.3*			*77-123*	*%REC*	*100*	*21-Jul-2023 04:00*
Surr: Toluene-d8	*99.1*			*82-127*	*%REC*	*100*	*21-Jul-2023 04:00*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW57B-20230713
Collection Date: 13-Jul-2023 07:45

ANALYTICAL REPORT
WorkOrder:HS23070942
Lab ID:HS23070942-07
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 19-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	08-Aug-2023 19:25
2,4-Dimethylphenol	**2.4**		**0.040**	**0.20**	**mg/L**	1000	08-Aug-2023 19:48
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	08-Aug-2023 19:25
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	08-Aug-2023 19:25
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	08-Aug-2023 19:25
2-Methylnaphthalene	**0.29**		**0.0019**	**0.010**	**mg/L**	100	08-Aug-2023 19:25
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	08-Aug-2023 19:25
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	08-Aug-2023 19:25
Acenaphthene	**0.13**		**0.0027**	**0.010**	**mg/L**	100	08-Aug-2023 19:25
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	08-Aug-2023 19:25
Anthracene	**0.028**		**0.0014**	**0.010**	**mg/L**	100	08-Aug-2023 19:25
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	08-Aug-2023 19:25
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	08-Aug-2023 19:25
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	08-Aug-2023 19:25
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	08-Aug-2023 19:25
Chrysene	**0.0060**	J	**0.0021**	**0.010**	**mg/L**	100	08-Aug-2023 19:25
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	08-Aug-2023 19:25
Dibenzofuran	**0.11**		**0.0020**	**0.010**	**mg/L**	100	08-Aug-2023 19:25
Fluoranthene	**0.040**		**0.0010**	**0.010**	**mg/L**	100	08-Aug-2023 19:25
Fluorene	**0.082**		**0.0030**	**0.010**	**mg/L**	100	08-Aug-2023 19:25
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	08-Aug-2023 19:25
Naphthalene	**5.3**		**0.020**	**0.10**	**mg/L**	1000	08-Aug-2023 19:48
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	08-Aug-2023 19:25
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	08-Aug-2023 19:25
Phenanthrene	**0.14**		**0.0021**	**0.010**	**mg/L**	100	08-Aug-2023 19:25
Phenol	**0.16**		**0.0035**	**0.020**	**mg/L**	100	08-Aug-2023 19:25
Pyrene	**0.026**		**0.0019**	**0.010**	**mg/L**	100	08-Aug-2023 19:25
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*08-Aug-2023 19:25*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*08-Aug-2023 19:48*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*08-Aug-2023 19:25*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*08-Aug-2023 19:48*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*08-Aug-2023 19:25*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*08-Aug-2023 19:48*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*08-Aug-2023 19:25*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*08-Aug-2023 19:48*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*08-Aug-2023 19:25*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*08-Aug-2023 19:48*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*08-Aug-2023 19:25*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*08-Aug-2023 19:48*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW57B-20230713 Lab ID:HS23070942-07
Collection Date: 13-Jul-2023 07:45 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 27-Jul-2023		Analyst: JC
Arsenic	**0.00416**		**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 15:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW72B-20230713 Lab ID:HS23070942-08
Collection Date: 13-Jul-2023 08:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.020		0.020	0.10	mg/L	100	21-Jul-2023 04:21
Benzene	**1.3**		**0.020**	**0.10**	**mg/L**	100	21-Jul-2023 04:21
Chlorobenzene	< 0.030		0.030	0.10	mg/L	100	21-Jul-2023 04:21
Ethylbenzene	**0.32**		**0.030**	**0.10**	**mg/L**	100	21-Jul-2023 04:21
Methylene chloride	< 0.10		0.10	0.20	mg/L	100	21-Jul-2023 04:21
Toluene	**1.1**		**0.020**	**0.10**	**mg/L**	100	21-Jul-2023 04:21
Xylenes, Total	**0.88**		**0.030**	**0.30**	**mg/L**	100	21-Jul-2023 04:21
Surr: 1,2-Dichloroethane-d4	*96.0*			*70-126*	*%REC*	*100*	*21-Jul-2023 04:21*
Surr: 4-Bromofluorobenzene	*98.9*			*77-113*	*%REC*	*100*	*21-Jul-2023 04:21*
Surr: Dibromofluoromethane	*98.1*			*77-123*	*%REC*	*100*	*21-Jul-2023 04:21*
Surr: Toluene-d8	*99.5*			*82-127*	*%REC*	*100*	*21-Jul-2023 04:21*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW72B-20230713
Collection Date: 13-Jul-2023 08:40

ANALYTICAL REPORT
WorkOrder:HS23070942
Lab ID:HS23070942-08
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 19-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	08-Aug-2023 20:33
2,4-Dimethylphenol	**8.2**		**0.040**	**0.20**	**mg/L**	1000	08-Aug-2023 20:56
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	08-Aug-2023 20:33
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	08-Aug-2023 20:33
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	08-Aug-2023 20:33
2-Methylnaphthalene	**0.24**		**0.0019**	**0.010**	**mg/L**	100	08-Aug-2023 20:33
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	08-Aug-2023 20:33
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	08-Aug-2023 20:33
Acenaphthene	**0.083**		**0.0027**	**0.010**	**mg/L**	100	08-Aug-2023 20:33
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	08-Aug-2023 20:33
Anthracene	**0.0079**	J	**0.0014**	**0.010**	**mg/L**	100	08-Aug-2023 20:33
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	08-Aug-2023 20:33
Benzo(a)pyrene	< 0.0020		0.0020	0.010	mg/L	100	08-Aug-2023 20:33
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	08-Aug-2023 20:33
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	08-Aug-2023 20:33
Chrysene	< 0.0021		0.0021	0.010	mg/L	100	08-Aug-2023 20:33
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	08-Aug-2023 20:33
Dibenzofuran	**0.059**		**0.0020**	**0.010**	**mg/L**	100	08-Aug-2023 20:33
Fluoranthene	**0.0026**	J	**0.0010**	**0.010**	**mg/L**	100	08-Aug-2023 20:33
Fluorene	**0.041**		**0.0030**	**0.010**	**mg/L**	100	08-Aug-2023 20:33
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	08-Aug-2023 20:33
Naphthalene	**5.2**		**0.020**	**0.10**	**mg/L**	1000	08-Aug-2023 20:56
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	08-Aug-2023 20:33
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	08-Aug-2023 20:33
Phenanthrene	**0.030**		**0.0021**	**0.010**	**mg/L**	100	08-Aug-2023 20:33
Phenol	**3.1**		**0.035**	**0.20**	**mg/L**	1000	08-Aug-2023 20:56
Pyrene	< 0.0019		0.0019	0.010	mg/L	100	08-Aug-2023 20:33
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*08-Aug-2023 20:33*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*08-Aug-2023 20:56*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*08-Aug-2023 20:56*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*08-Aug-2023 20:33*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*08-Aug-2023 20:33*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*08-Aug-2023 20:56*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*08-Aug-2023 20:33*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*08-Aug-2023 20:56*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*08-Aug-2023 20:33*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*08-Aug-2023 20:56*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*08-Aug-2023 20:33*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*08-Aug-2023 20:56*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW72B-20230713 Lab ID:HS23070942-08
Collection Date: 13-Jul-2023 08:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 27-Jul-2023		Analyst: JC
Arsenic	**0.00390**		**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 15:27

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW13-20230713 Lab ID:HS23070942-09
Collection Date: 13-Jul-2023 09:35 Matrix:GW

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-2023 04:43
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2023 04:43
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2023 04:43
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2023 04:43
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2023 04:43
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2023 04:43
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	21-Jul-2023 04:43
Surr: 1,2-Dichloroethane-d4	*97.1*			*70-126*	*%REC*	*1*	*21-Jul-2023 04:43*
Surr: 4-Bromofluorobenzene	*95.8*			*77-113*	*%REC*	*1*	*21-Jul-2023 04:43*
Surr: Dibromofluoromethane	*99.8*			*77-123*	*%REC*	*1*	*21-Jul-2023 04:43*
Surr: Toluene-d8	*99.7*			*82-127*	*%REC*	*1*	*21-Jul-2023 04:43*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW13-20230713
Collection Date: 13-Jul-2023 09:35

ANALYTICAL REPORT
WorkOrder:HS23070942
Lab ID:HS23070942-09
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 19-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 19:06
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2023 19:06
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2023 19:06
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2023 19:06
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 19:06
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2023 19:06
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2023 19:06
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2023 19:06
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2023 19:06
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2023 19:06
Anthracene	**0.00010**		**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2023 19:06
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2023 19:06
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 19:06
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2023 19:06
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2023 19:06
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 19:06
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2023 19:06
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 19:06
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2023 19:06
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2023 19:06
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2023 19:06
Naphthalene	**0.000073**	J	**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2023 19:06
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2023 19:06
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2023 19:06
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 19:06
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2023 19:06
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2023 19:06
Surr: 2,4,6-Tribromophenol	*75.7*			*34-129*	*%REC*	*1*	*03-Aug-2023 19:06*
Surr: 2-Fluorobiphenyl	*63.1*			*40-125*	*%REC*	*1*	*03-Aug-2023 19:06*
Surr: 2-Fluorophenol	*46.4*			*20-120*	*%REC*	*1*	*03-Aug-2023 19:06*
Surr: 4-Terphenyl-d14	*70.6*			*40-135*	*%REC*	*1*	*03-Aug-2023 19:06*
Surr: Nitrobenzene-d5	*48.3*			*41-120*	*%REC*	*1*	*03-Aug-2023 19:06*
Surr: Phenol-d6	*52.0*			*20-120*	*%REC*	*1*	*03-Aug-2023 19:06*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2023		Analyst: JC
Arsenic	**0.0248**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 22:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-MW39B-20230713 Lab ID:HS23070942-10
Collection Date: 13-Jul-2023 10:25 Matrix:GW

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-2023 05:04
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2023 05:04
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2023 05:04
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2023 05:04
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2023 05:04
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2023 05:04
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	21-Jul-2023 05:04
Surr: 1,2-Dichloroethane-d4	*96.4*			*70-126*	*%REC*	*1*	*21-Jul-2023 05:04*
Surr: 4-Bromofluorobenzene	*97.1*			*77-113*	*%REC*	*1*	*21-Jul-2023 05:04*
Surr: Dibromofluoromethane	*98.3*			*77-123*	*%REC*	*1*	*21-Jul-2023 05:04*
Surr: Toluene-d8	*99.1*			*82-127*	*%REC*	*1*	*21-Jul-2023 05:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW39B-20230713
Collection Date: 13-Jul-2023 10:25

ANALYTICAL REPORT
WorkOrder:HS23070942
Lab ID:HS23070942-10
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 19-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 19:29
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2023 19:29
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2023 19:29
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2023 19:29
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 19:29
2-Methylnaphthalene	**0.00013**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2023 19:29
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2023 19:29
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2023 19:29
Acenaphthene	**0.0011**		**0.000027**	**0.00010**	**mg/L**	1	03-Aug-2023 19:29
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2023 19:29
Anthracene	**0.000076**	J	**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2023 19:29
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2023 19:29
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 19:29
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2023 19:29
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2023 19:29
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 19:29
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2023 19:29
Dibenzofuran	**0.000050**	J	**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2023 19:29
Fluoranthene	**0.000047**	J	**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2023 19:29
Fluorene	**0.00024**		**0.000030**	**0.00010**	**mg/L**	1	03-Aug-2023 19:29
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2023 19:29
Naphthalene	**0.0020**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2023 19:29
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2023 19:29
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2023 19:29
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 19:29
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2023 19:29
Pyrene	**0.000032**	J	**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2023 19:29
Surr: 2,4,6-Tribromophenol	*70.8*			*34-129*	*%REC*	*1*	*03-Aug-2023 19:29*
Surr: 2-Fluorobiphenyl	*60.4*			*40-125*	*%REC*	*1*	*03-Aug-2023 19:29*
Surr: 2-Fluorophenol	*47.7*			*20-120*	*%REC*	*1*	*03-Aug-2023 19:29*
Surr: 4-Terphenyl-d14	*66.9*			*40-135*	*%REC*	*1*	*03-Aug-2023 19:29*
Surr: Nitrobenzene-d5	*48.6*			*41-120*	*%REC*	*1*	*03-Aug-2023 19:29*
Surr: Phenol-d6	*50.0*			*20-120*	*%REC*	*1*	*03-Aug-2023 19:29*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 27-Jul-2023		Analyst: JC
Arsenic	**0.00384**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 22:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-TW41B-20230713 Lab ID:HS23070942-11
Collection Date: 13-Jul-2023 12:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.0010		0.0010	0.0050	mg/L	5	21-Jul-2023 05:26
Benzene	< 0.0010		0.0010	0.0050	mg/L	5	21-Jul-2023 05:26
Chlorobenzene	< 0.0015		0.0015	0.0050	mg/L	5	21-Jul-2023 05:26
Ethylbenzene	**0.0025**	J	**0.0015**	**0.0050**	**mg/L**	5	21-Jul-2023 05:26
Methylene chloride	< 0.0050		0.0050	0.010	mg/L	5	21-Jul-2023 05:26
Toluene	< 0.0010		0.0010	0.0050	mg/L	5	21-Jul-2023 05:26
Xylenes, Total	**0.020**		**0.0015**	**0.015**	**mg/L**	5	21-Jul-2023 05:26
Surr: 1,2-Dichloroethane-d4	*96.7*			*70-126*	*%REC*	*5*	*21-Jul-2023 05:26*
Surr: 4-Bromofluorobenzene	*97.1*			*77-113*	*%REC*	*5*	*21-Jul-2023 05:26*
Surr: Dibromofluoromethane	*98.2*			*77-123*	*%REC*	*5*	*21-Jul-2023 05:26*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*5*	*21-Jul-2023 05:26*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-TW41B-20230713 Lab ID:HS23070942-11
Collection Date: 13-Jul-2023 12:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 19-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 19:53
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2023 19:53
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2023 19:53
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2023 19:53
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 19:53
2-Methylnaphthalene	**0.035**		**0.00019**	**0.0010**	**mg/L**	10	08-Aug-2023 21:19
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2023 19:53
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2023 19:53
Acenaphthene	**0.062**		**0.00027**	**0.0010**	**mg/L**	10	08-Aug-2023 21:19
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2023 19:53
Anthracene	**0.0028**		**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2023 19:53
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2023 19:53
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 19:53
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2023 19:53
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2023 19:53
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 19:53
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2023 19:53
Dibenzofuran	**0.033**		**0.00020**	**0.0010**	**mg/L**	10	08-Aug-2023 21:19
Fluoranthene	**0.0023**		**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2023 19:53
Fluorene	**0.038**		**0.00030**	**0.0010**	**mg/L**	10	08-Aug-2023 21:19
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2023 19:53
Naphthalene	**0.18**		**0.0020**	**0.010**	**mg/L**	100	09-Aug-2023 15:25
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2023 19:53
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2023 19:53
Phenanthrene	**0.017**		**0.00021**	**0.0010**	**mg/L**	10	08-Aug-2023 21:19
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2023 19:53
Pyrene	**0.00087**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2023 19:53
Surr: 2,4,6-Tribromophenol	*79.2*			*34-129*	*%REC*	*1*	*03-Aug-2023 19:53*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*09-Aug-2023 15:25*
Surr: 2,4,6-Tribromophenol	*70.0*			*34-129*	*%REC*	*10*	*08-Aug-2023 21:19*
Surr: 2-Fluorobiphenyl	*60.5*			*40-125*	*%REC*	*10*	*08-Aug-2023 21:19*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*09-Aug-2023 15:25*
Surr: 2-Fluorobiphenyl	*52.6*			*40-125*	*%REC*	*1*	*03-Aug-2023 19:53*
Surr: 2-Fluorophenol	*42.3*			*20-120*	*%REC*	*1*	*03-Aug-2023 19:53*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 15:25*
Surr: 2-Fluorophenol	*46.0*			*20-120*	*%REC*	*10*	*08-Aug-2023 21:19*
Surr: 4-Terphenyl-d14	*84.8*			*40-135*	*%REC*	*10*	*08-Aug-2023 21:19*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*09-Aug-2023 15:25*
Surr: 4-Terphenyl-d14	*71.2*			*40-135*	*%REC*	*1*	*03-Aug-2023 19:53*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-TW41B-20230713 Lab ID:HS23070942-11
Collection Date: 13-Jul-2023 12:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 19-Jul-2023		Analyst: MBG
Surr: Nitrobenzene-d5	*42.8*			*41-120*	*%REC*	*1*	*03-Aug-2023 19:53*
Surr: Nitrobenzene-d5	*48.5*			*41-120*	*%REC*	*10*	*08-Aug-2023 21:19*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*09-Aug-2023 15:25*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 15:25*
Surr: Phenol-d6	*49.1*			*20-120*	*%REC*	*10*	*08-Aug-2023 21:19*
Surr: Phenol-d6	*44.0*			*20-120*	*%REC*	*1*	*03-Aug-2023 19:53*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 27-Jul-2023		Analyst: JC
Arsenic	**0.0937**		**0.000400**	**0.00200**	**mg/L**	1	27-Jul-2023 22:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23070942
Sample ID: WG-1620-FB06-20230713 Lab ID:HS23070942-12
Collection Date: 13-Jul-2023 12:40 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	20-Jul-2023 04:18
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	20-Jul-2023 04:18
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	20-Jul-2023 04:18
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	20-Jul-2023 04:18
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	20-Jul-2023 04:18
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	20-Jul-2023 04:18
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	20-Jul-2023 04:18
Surr: 1,2-Dichloroethane-d4	*96.0*			*70-126*	*%REC*	*1*	*20-Jul-2023 04:18*
Surr: 4-Bromofluorobenzene	*95.6*			*77-113*	*%REC*	*1*	*20-Jul-2023 04:18*
Surr: Dibromofluoromethane	*98.2*			*77-123*	*%REC*	*1*	*20-Jul-2023 04:18*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*20-Jul-2023 04:18*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-FB06-20230713
Collection Date: 13-Jul-2023 12:40

ANALYTICAL REPORT
WorkOrder:HS23070942
Lab ID:HS23070942-12
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 19-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 20:17
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2023 20:17
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2023 20:17
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2023 20:17
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 20:17
2-Methylnaphthalene	**0.00034**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2023 20:17
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2023 20:17
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2023 20:17
Acenaphthene	**0.00010**		**0.000027**	**0.00010**	**mg/L**	1	03-Aug-2023 20:17
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2023 20:17
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2023 20:17
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2023 20:17
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 20:17
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2023 20:17
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2023 20:17
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 20:17
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2023 20:17
Dibenzofuran	**0.00014**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2023 20:17
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2023 20:17
Fluorene	**0.000064**	J	**0.000030**	**0.00010**	**mg/L**	1	03-Aug-2023 20:17
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2023 20:17
Naphthalene	**0.0010**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2023 20:17
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2023 20:17
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2023 20:17
Phenanthrene	**0.000051**	J	**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2023 20:17
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2023 20:17
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2023 20:17
Surr: 2,4,6-Tribromophenol	*76.6*			*34-129*	*%REC*	*1*	*03-Aug-2023 20:17*
Surr: 2-Fluorobiphenyl	*75.8*			*40-125*	*%REC*	*1*	*03-Aug-2023 20:17*
Surr: 2-Fluorophenol	*58.1*			*20-120*	*%REC*	*1*	*03-Aug-2023 20:17*
Surr: 4-Terphenyl-d14	*80.4*			*40-135*	*%REC*	*1*	*03-Aug-2023 20:17*
Surr: Nitrobenzene-d5	*62.6*			*41-120*	*%REC*	*1*	*03-Aug-2023 20:17*
Surr: Phenol-d6	*62.3*			*20-120*	*%REC*	*1*	*03-Aug-2023 20:17*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 27-Jul-2023		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	27-Jul-2023 22:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

Batch ID: 197753 **Start Date:** 19 Jul 2023 10:30 **End Date:** 19 Jul 2023 10:30
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23070942-01		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070942-02		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070942-03		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070942-04		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070942-05		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070942-06		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070942-07		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070942-08		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070942-09		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070942-10		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070942-11		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23070942-12		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198147 **Start Date:** 27 Jul 2023 08:00 **End Date:** 27 Jul 2023 08:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23070942-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070942-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070942-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070942-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070942-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070942-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070942-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070942-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070942-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070942-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070942-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23070942-12		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 197753 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS23070942-12	WG-1620-FB06-20230713	13 Jul 2023 12:40		19 Jul 2023 10:30	03 Aug 2023 20:17	1
Batch ID: 197753 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS23070942-01	WG-1620-MW23C-20230712	12 Jul 2023 13:05		19 Jul 2023 10:30	08 Aug 2023 16:44	1000
HS23070942-01	WG-1620-MW23C-20230712	12 Jul 2023 13:05		19 Jul 2023 10:30	08 Aug 2023 16:21	100
HS23070942-01	WG-1620-MW23C-20230712	12 Jul 2023 13:05		19 Jul 2023 10:30	08 Aug 2023 15:58	10
HS23070942-02	WG-1620-MW19C-20230712	12 Jul 2023 14:15		19 Jul 2023 10:30	03 Aug 2023 16:19	1
HS23070942-03	WG-1620-MW18C-20230712	12 Jul 2023 15:10		19 Jul 2023 10:30	08 Aug 2023 17:30	1000
HS23070942-03	WG-1620-MW18C-20230712	12 Jul 2023 15:10		19 Jul 2023 10:30	08 Aug 2023 17:07	100
HS23070942-04	WG-1620-MW18A-20230712	12 Jul 2023 15:55		19 Jul 2023 10:30	08 Aug 2023 18:16	100
HS23070942-04	WG-1620-MW18A-20230712	12 Jul 2023 15:55		19 Jul 2023 10:30	03 Aug 2023 17:07	10
HS23070942-05	WG-1620-MW58A-20230712	12 Jul 2023 16:50		19 Jul 2023 10:30	08 Aug 2023 18:39	10
HS23070942-05	WG-1620-MW58A-20230712	12 Jul 2023 16:50		19 Jul 2023 10:30	03 Aug 2023 17:31	1
HS23070942-06	WG-1620-MW57A-20230712	12 Jul 2023 17:50		19 Jul 2023 10:30	08 Aug 2023 19:02	10
HS23070942-06	WG-1620-MW57A-20230712	12 Jul 2023 17:50		19 Jul 2023 10:30	03 Aug 2023 17:55	1
HS23070942-07	WG-1620-MW57B-20230713	13 Jul 2023 07:45		19 Jul 2023 10:30	08 Aug 2023 19:48	1000
HS23070942-07	WG-1620-MW57B-20230713	13 Jul 2023 07:45		19 Jul 2023 10:30	08 Aug 2023 19:25	100
HS23070942-08	WG-1620-MW72B-20230713	13 Jul 2023 08:40		19 Jul 2023 10:30	08 Aug 2023 20:56	1000
HS23070942-08	WG-1620-MW72B-20230713	13 Jul 2023 08:40		19 Jul 2023 10:30	08 Aug 2023 20:33	100
HS23070942-09	WG-1620-MW13-20230713	13 Jul 2023 09:35		19 Jul 2023 10:30	03 Aug 2023 19:06	1
HS23070942-10	WG-1620-MW39B-20230713	13 Jul 2023 10:25		19 Jul 2023 10:30	03 Aug 2023 19:29	1
HS23070942-11	WG-1620-TW41B-20230713	13 Jul 2023 12:15		19 Jul 2023 10:30	09 Aug 2023 15:25	100
HS23070942-11	WG-1620-TW41B-20230713	13 Jul 2023 12:15		19 Jul 2023 10:30	08 Aug 2023 21:19	10
HS23070942-11	WG-1620-TW41B-20230713	13 Jul 2023 12:15		19 Jul 2023 10:30	03 Aug 2023 19:53	1
Batch ID: 198147 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS23070942-12	WG-1620-FB06-20230713	13 Jul 2023 12:40		27 Jul 2023 08:00	27 Jul 2023 22:44	1
Batch ID: 198147 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** GW	
HS23070942-01	WG-1620-MW23C-20230712	12 Jul 2023 13:05		27 Jul 2023 08:00	27 Jul 2023 22:17	1
HS23070942-02	WG-1620-MW19C-20230712	12 Jul 2023 14:15		27 Jul 2023 08:00	27 Jul 2023 22:19	1
HS23070942-03	WG-1620-MW18C-20230712	12 Jul 2023 15:10		27 Jul 2023 08:00	28 Jul 2023 15:22	1
HS23070942-04	WG-1620-MW18A-20230712	12 Jul 2023 15:55		27 Jul 2023 08:00	27 Jul 2023 22:23	1
HS23070942-05	WG-1620-MW58A-20230712	12 Jul 2023 16:50		27 Jul 2023 08:00	27 Jul 2023 22:25	1
HS23070942-06	WG-1620-MW57A-20230712	12 Jul 2023 17:50		27 Jul 2023 08:00	27 Jul 2023 22:27	1
HS23070942-07	WG-1620-MW57B-20230713	13 Jul 2023 07:45		27 Jul 2023 08:00	28 Jul 2023 15:24	1
HS23070942-08	WG-1620-MW72B-20230713	13 Jul 2023 08:40		27 Jul 2023 08:00	28 Jul 2023 15:27	1
HS23070942-09	WG-1620-MW13-20230713	13 Jul 2023 09:35		27 Jul 2023 08:00	27 Jul 2023 22:37	1
HS23070942-10	WG-1620-MW39B-20230713	13 Jul 2023 10:25		27 Jul 2023 08:00	27 Jul 2023 22:39	1
HS23070942-11	WG-1620-TW41B-20230713	13 Jul 2023 12:15		27 Jul 2023 08:00	27 Jul 2023 22:41	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R441788 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS23070942-12	WG-1620-FB06-20230713	13 Jul 2023 12:40			20 Jul 2023 04:18	1
Batch ID: R441895 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23070942-02	WG-1620-MW19C-20230712	12 Jul 2023 14:15			21 Jul 2023 02:12	1
HS23070942-05	WG-1620-MW58A-20230712	12 Jul 2023 16:50			21 Jul 2023 03:17	1
HS23070942-06	WG-1620-MW57A-20230712	12 Jul 2023 17:50			21 Jul 2023 03:38	1
HS23070942-07	WG-1620-MW57B-20230713	13 Jul 2023 07:45			21 Jul 2023 04:00	100
HS23070942-08	WG-1620-MW72B-20230713	13 Jul 2023 08:40			21 Jul 2023 04:21	100
HS23070942-09	WG-1620-MW13-20230713	13 Jul 2023 09:35			21 Jul 2023 04:43	1
HS23070942-10	WG-1620-MW39B-20230713	13 Jul 2023 10:25			21 Jul 2023 05:04	1
HS23070942-11	WG-1620-TW41B-20230713	13 Jul 2023 12:15			21 Jul 2023 05:26	5
Batch ID: R442040 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23070942-01	WG-1620-MW23C-20230712	12 Jul 2023 13:05			22 Jul 2023 13:04	10
HS23070942-03	WG-1620-MW18C-20230712	12 Jul 2023 15:10			22 Jul 2023 13:25	25
HS23070942-04	WG-1620-MW18A-20230712	12 Jul 2023 15:55			22 Jul 2023 13:46	10

WorkOrder: HS23070942
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	0.00137	0.000400	0.00200

WorkOrder: HS23070942
InstrumentID: SV-10
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000082	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	0.000064	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000082	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000090	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000079	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00039	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000078	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.000070	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.000075	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.000073	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.000077	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.000080	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000098	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.000079	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000088	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.000071	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.000093	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.000079	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000086	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.000084	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.00011	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000028	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00010	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000098	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.000092	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: HS23070942
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	0.0010
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	Di-n-butyl phthalate	84-74-2	0.00010	0.000079	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.000037	0.000020	0.00010
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	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000069	0.000025	0.00020
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	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: HS23070942
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	0.00058	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00050	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00053	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00038	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.0013	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00045	0.00020	0.0010
A	Vinyl chloride	75-01-4	0.00050	0.00082	0.00020	0.001
A	Xylenes, Total	1330-20-7	0.0015	0.0011	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

RIGHT SOLUTIONS | RIGHT PARTNER

WorkOrder: HS23070942
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	0.00052	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00049	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00053	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00054	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00069	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00059	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0015	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

QC BATCH REPORT

Batch ID: 198147 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-198147** Units: **mg/L** Analysis Date: **27-Jul-2023 21:27**
Client ID: Run ID: **ICPMS06_442486** SeqNo: **7456783** PrepDate: **27-Jul-2023** 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-198147** Units: **mg/L** Analysis Date: **27-Jul-2023 21:29**
Client ID: Run ID: **ICPMS06_442486** SeqNo: **7456784** PrepDate: **27-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04781	0.00200	0.05	0	95.6	80 - 120				

MS Sample ID: **HS23071335-03MS** Units: **mg/L** Analysis Date: **27-Jul-2023 21:35**
Client ID: Run ID: **ICPMS06_442486** SeqNo: **7456787** PrepDate: **27-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1028	0.00200	0.05	0.05284	100.0	80 - 120				

MSD Sample ID: **HS23071335-03MSD** Units: **mg/L** Analysis Date: **27-Jul-2023 21:37**
Client ID: Run ID: **ICPMS06_442486** SeqNo: **7456788** PrepDate: **27-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1038	0.00200	0.05	0.05284	102	80 - 120	0.1028	0.972	20	

PDS Sample ID: **HS23071335-03PDS** Units: **mg/L** Analysis Date: **27-Jul-2023 21:40**
Client ID: Run ID: **ICPMS06_442486** SeqNo: **7456789** PrepDate: **27-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.152	0.00200	0.1	0.05284	99.1	75 - 125				

SD Sample ID: **HS23071335-03SD** Units: **mg/L** Analysis Date: **27-Jul-2023 21:33**
Client ID: Run ID: **ICPMS06_442486** SeqNo: **7456786** PrepDate: **27-Jul-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.05296	0.0100					0.05284	0.235	10	

The following samples were analyzed in this batch:

HS23070942-01	HS23070942-02	HS23070942-03	HS23070942-04
HS23070942-05	HS23070942-06	HS23070942-07	HS23070942-08
HS23070942-09	HS23070942-10	HS23070942-11	HS23070942-12

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

QC BATCH REPORT

Batch ID: 197753 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-197753** Units: **ug/L** Analysis Date: **29-Jul-2023 11:14**
Client ID: Run ID: **SV-7_442692** SeqNo: **7459852** PrepDate: **19-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*1.887*	*0.20*	*5*	*0*	*37.7*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.793*	*0.20*	*5*	*0*	*75.9*	*40 - 125*				
Surr: 2-Fluorophenol	*3.519*	*0.20*	*5*	*0*	*70.4*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.172*	*0.20*	*5*	*0*	*83.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.152*	*0.20*	*5*	*0*	*83.0*	*41 - 120*				
Surr: Phenol-d6	*3.872*	*0.20*	*5*	*0*	*77.4*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

QC BATCH REPORT

Batch ID: 197753 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-197753** Units: **ug/L** Analysis Date: **28-Jul-2023 19:16**
Client ID: Run ID: **SV-7_442689** SeqNo: **7459797** PrepDate: **19-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.826	0.20	5	0	76.5	39 - 127				
2,4-Dimethylphenol	3.951	0.20	5	0	79.0	35 - 120				
2,4-Dinitrotoluene	4.297	0.20	5	0	85.9	50 - 122				
2,6-Dinitrotoluene	3.979	0.20	5	0	79.6	50 - 120				
2-Chloronaphthalene	4.148	0.20	5	0	83.0	50 - 120				
2-Methylnaphthalene	3.576	0.10	5	0	71.5	50 - 120				
4,6-Dinitro-2-methylphenol	4.566	1.0	5	0	91.3	25 - 121				
4-Nitrophenol	4.65	1.0	5	0	93.0	30 - 130				
Acenaphthene	3.734	0.10	5	0	74.7	45 - 120				
Acenaphthylene	3.655	0.10	5	0	73.1	47 - 120				
Anthracene	3.755	0.10	5	0	75.1	45 - 120				
Benz(a)anthracene	4.202	0.10	5	0	84.0	40 - 120				
Benzo(a)pyrene	4.439	0.10	5	0	88.8	45 - 120				
Bis(2-chloroethoxy)methane	3.823	0.20	5	0	76.5	45 - 120				
Bis(2-ethylhexyl)phthalate	4.511	0.20	5	0	90.2	40 - 139				
Chrysene	4.065	0.10	5	0	81.3	43 - 120				
Dibenzofuran	3.686	0.10	5	0	73.7	50 - 120				
Di-n-butyl phthalate	4.141	0.20	5	0	82.8	45 - 123				
Fluoranthene	3.856	0.10	5	0	77.1	45 - 125				
Fluorene	3.653	0.10	5	0	73.1	49 - 120				
Naphthalene	3.511	0.10	5	0	70.2	45 - 120				
Nitrobenzene	3.51	0.20	5	0	70.2	44 - 120				
N-Nitrosodiphenylamine	3.723	0.20	5	0	74.5	40 - 125				
Pentachlorophenol	4.633	0.20	5	0	92.7	19 - 121				
Phenanthrene	3.674	0.10	5	0	73.5	45 - 121				
Phenol	3.506	0.20	5	0	70.1	20 - 124				
Pyrene	4.038	0.10	5	0	80.8	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.331*	*0.20*	*5*	*0*	*66.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.711*	*0.20*	*5*	*0*	*74.2*	*40 - 125*				
Surr: 2-Fluorophenol	*3.259*	*0.20*	*5*	*0*	*65.2*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.305*	*0.20*	*5*	*0*	*86.1*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.792*	*0.20*	*5*	*0*	*75.8*	*41 - 120*				
Surr: Phenol-d6	*3.572*	*0.20*	*5*	*0*	*71.4*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

QC BATCH REPORT

Batch ID: 197753 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS23070880-04MS** Units: **ug/L** Analysis Date: **29-Jul-2023 12:54**
Client ID: Run ID: **SV-7_442692** SeqNo: **7461447** PrepDate: **19-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.403	0.20	5	0	68.1	39 - 127				
2,4-Dimethylphenol	3.601	0.20	5	0	72.0	35 - 120				
2,4-Dinitrotoluene	4.155	0.20	5	0	83.1	50 - 122				
2,6-Dinitrotoluene	3.947	0.20	5	0	78.9	50 - 120				
2-Chloronaphthalene	3.918	0.20	5	0	78.4	50 - 120				
2-Methylnaphthalene	3.689	0.10	5	0	73.8	50 - 120				
4,6-Dinitro-2-methylphenol	3.912	1.0	5	0	78.2	25 - 121				
4-Nitrophenol	4.1	1.0	5	0	82.0	30 - 130				
Acenaphthene	3.765	0.10	5	0	75.3	45 - 120				
Acenaphthylene	3.582	0.10	5	0	71.6	47 - 120				
Anthracene	3.714	0.10	5	0	74.3	45 - 120				
Benz(a)anthracene	3.734	0.10	5	0	74.7	40 - 120				
Benzo(a)pyrene	4.064	0.10	5	0	81.3	45 - 120				
Bis(2-chloroethoxy)methane	3.754	0.20	5	0	75.1	45 - 120				
Bis(2-ethylhexyl)phthalate	3.567	0.20	5	0	71.3	40 - 139				
Chrysene	4.05	0.10	5	0	81.0	43 - 120				
Dibenzofuran	3.798	0.10	5	0	76.0	50 - 120				
Di-n-butyl phthalate	4.053	0.20	5	0	81.1	45 - 123				
Fluoranthene	4.064	0.10	5	0	81.3	45 - 125				
Fluorene	3.775	0.10	5	0	75.5	49 - 120				
Naphthalene	3.569	0.10	5	0.0763	69.9	45 - 120				
Nitrobenzene	3.545	0.20	5	0	70.9	44 - 120				
N-Nitrosodiphenylamine	3.576	0.20	5	0	71.5	40 - 125				
Pentachlorophenol	4.74	0.20	5	0	94.8	19 - 121				
Phenanthrene	3.694	0.10	5	0	73.9	45 - 121				
Phenol	3.765	0.20	5	0	75.3	20 - 124				
Pyrene	3.642	0.10	5	0	72.8	40 - 130				
Surr: 2,4,6-Tribromophenol	*4.579*	*0.20*	*5*	*0*	*91.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.81*	*0.20*	*5*	*0*	*76.2*	*40 - 125*				
Surr: 2-Fluorophenol	*3.494*	*0.20*	*5*	*0*	*69.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.225*	*0.20*	*5*	*0*	*84.5*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.781*	*0.20*	*5*	*0*	*75.6*	*41 - 120*				
Surr: Phenol-d6	*3.388*	*0.20*	*5*	*0*	*67.8*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

QC BATCH REPORT

Batch ID: 197753 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS23070880-04MSD** Units: **ug/L** Analysis Date: **28-Jul-2023 22:08**
Client ID: Run ID: **SV-7_442689** SeqNo: **7459798** PrepDate: **19-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.609	0.20	5	0	92.2	39 - 127	3.403	30.1	20	R
2,4-Dimethylphenol	3.784	0.20	5	0	75.7	35 - 120	3.601	4.94	20	
2,4-Dinitrotoluene	3.964	0.20	5	0	79.3	50 - 122	4.155	4.71	20	
2,6-Dinitrotoluene	3.737	0.20	5	0	74.7	50 - 120	3.947	5.45	20	
2-Chloronaphthalene	3.874	0.20	5	0	77.5	50 - 120	3.918	1.11	20	
2-Methylnaphthalene	3.766	0.10	5	0	75.3	50 - 120	3.689	2.06	20	
4,6-Dinitro-2-methylphenol	3.861	1.0	5	0	77.2	25 - 121	3.912	1.32	30	
4-Nitrophenol	3.818	1.0	5	0	76.4	30 - 130	4.1	7.13	20	
Acenaphthene	3.786	0.10	5	0	75.7	45 - 120	3.765	0.563	20	
Acenaphthylene	3.648	0.10	5	0	73.0	47 - 120	3.582	1.83	20	
Anthracene	3.625	0.10	5	0	72.5	45 - 120	3.714	2.41	20	
Benz(a)anthracene	3.799	0.10	5	0	76.0	40 - 120	3.734	1.72	20	
Benzo(a)pyrene	4.276	0.10	5	0	85.5	45 - 120	4.064	5.08	20	
Bis(2-chloroethoxy)methane	4.15	0.20	5	0	83.0	45 - 120	3.754	10	20	
Bis(2-ethylhexyl)phthalate	4.805	0.20	5	0	96.1	40 - 139	3.567	29.6	20	R
Chrysene	4.088	0.10	5	0	81.8	43 - 120	4.05	0.925	20	
Dibenzofuran	3.725	0.10	5	0	74.5	50 - 120	3.798	1.94	20	
Di-n-butyl phthalate	4.033	0.20	5	0	80.7	45 - 123	4.053	0.5	20	
Fluoranthene	3.698	0.10	5	0	74.0	45 - 125	4.064	9.43	20	
Fluorene	4.002	0.10	5	0	80.0	49 - 120	3.775	5.85	20	
Naphthalene	3.704	0.10	5	0.0763	72.6	45 - 120	3.569	3.71	20	
Nitrobenzene	4.199	0.20	5	0	84.0	44 - 120	3.545	16.9	20	
N-Nitrosodiphenylamine	3.788	0.20	5	0	75.8	40 - 125	3.576	5.76	20	
Pentachlorophenol	3.75	0.20	5	0	75.0	19 - 121	4.74	23.3	20	R
Phenanthrene	3.824	0.10	5	0	76.5	45 - 121	3.694	3.44	20	
Phenol	4.504	0.20	5	0	90.1	20 - 124	3.765	17.9	20	
Pyrene	3.882	0.10	5	0	77.6	40 - 130	3.642	6.37	20	
Surr: 2,4,6-Tribromophenol	*2.907*	*0.20*	*5*	*0*	*58.1*	*34 - 129*	*4.579*	*44.7*	*20*	R
Surr: 2-Fluorobiphenyl	*3.567*	*0.20*	*5*	*0*	*71.3*	*40 - 125*	*3.81*	*6.61*	*20*	
Surr: 2-Fluorophenol	*3.856*	*0.20*	*5*	*0*	*77.1*	*20 - 120*	*3.494*	*9.85*	*20*	
Surr: 4-Terphenyl-d14	*4.065*	*0.20*	*5*	*0*	*81.3*	*40 - 135*	*4.225*	*3.85*	*20*	
Surr: Nitrobenzene-d5	*4.541*	*0.20*	*5*	*0*	*90.8*	*41 - 120*	*3.781*	*18.3*	*20*	
Surr: Phenol-d6	*4.538*	*0.20*	*5*	*0*	*90.8*	*20 - 120*	*3.388*	*29*	*20*	R

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

QC BATCH REPORT

Batch ID: 197753 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS23070942-01	HS23070942-02	HS23070942-03	HS23070942-04
HS23070942-05	HS23070942-06	HS23070942-07	HS23070942-08
HS23070942-09	HS23070942-10	HS23070942-11	HS23070942-12

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

QC BATCH REPORT

Batch ID: R441788 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230719** Units: **ug/L** Analysis Date: **19-Jul-2023 22:13**
Client ID: Run ID: **VOA7_441788** SeqNo: **7438935** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*47.54*	*1.0*	*50*	*0*	*95.1*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.1*	*1.0*	*50*	*0*	*96.2*	*77 - 113*				
Surr: Dibromofluoromethane	*48.65*	*1.0*	*50*	*0*	*97.3*	*73 - 126*				
Surr: Toluene-d8	*50.03*	*1.0*	*50*	*0*	*100*	*81 - 120*				

LCS Sample ID: **VLCSW-230719** Units: **ug/L** Analysis Date: **19-Jul-2023 21:30**
Client ID: Run ID: **VOA7_441788** SeqNo: **7438934** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.67	1.0	20	0	93.3	70 - 124				
Benzene	19.52	1.0	20	0	97.6	74 - 120				
Chlorobenzene	19.78	1.0	20	0	98.9	76 - 113				
Ethylbenzene	20.02	1.0	20	0	100	77 - 117				
Methylene chloride	19.28	2.0	20	0	96.4	70 - 127				
Toluene	19.3	1.0	20	0	96.5	77 - 118				
Xylenes, Total	60.55	3.0	60	0	101	75 - 122				
Surr: 1,2-Dichloroethane-d4	*48.75*	*1.0*	*50*	*0*	*97.5*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.25*	*1.0*	*50*	*0*	*98.5*	*77 - 113*				
Surr: Dibromofluoromethane	*50.18*	*1.0*	*50*	*0*	*100*	*73 - 126*				
Surr: Toluene-d8	*50.06*	*1.0*	*50*	*0*	*100*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

QC BATCH REPORT

Batch ID: R441788 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23070848-11MS** Units: **ug/L** Analysis Date: **19-Jul-2023 22:56**
Client ID: Run ID: **VOA7_441788** SeqNo: **7438937** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	15.41	1.0	20	0	77.0	70 - 127				
Ethylbenzene	16.19	1.0	20	0	80.9	70 - 124				
Toluene	15.36	1.0	20	0	76.8	70 - 123				
Xylenes, Total	47.57	3.0	60	0	79.3	70 - 130				
Surr: 1,2-Dichloroethane-d4	*49.09*	*1.0*	*50*	*0*	*98.2*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.24*	*1.0*	*50*	*0*	*98.5*	*77 - 113*				
Surr: Dibromofluoromethane	*50.37*	*1.0*	*50*	*0*	*101*	*77 - 123*				
Surr: Toluene-d8	*49.88*	*1.0*	*50*	*0*	*99.8*	*82 - 127*				

MSD Sample ID: **HS23070848-11MSD** Units: **ug/L** Analysis Date: **19-Jul-2023 23:18**
Client ID: Run ID: **VOA7_441788** SeqNo: **7438938** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	15.28	1.0	20	0	76.4	70 - 127	15.41	0.813	20	
Ethylbenzene	15.87	1.0	20	0	79.4	70 - 124	16.19	1.98	20	
Toluene	15.26	1.0	20	0	76.3	70 - 123	15.36	0.626	20	
Xylenes, Total	47.17	3.0	60	0	78.6	70 - 130	47.57	0.83	20	
Surr: 1,2-Dichloroethane-d4	*48.6*	*1.0*	*50*	*0*	*97.2*	*70 - 126*	*49.09*	*1.01*	*20*	
Surr: 4-Bromofluorobenzene	*49.05*	*1.0*	*50*	*0*	*98.1*	*77 - 113*	*49.24*	*0.373*	*20*	
Surr: Dibromofluoromethane	*49.42*	*1.0*	*50*	*0*	*98.8*	*77 - 123*	*50.37*	*1.91*	*20*	
Surr: Toluene-d8	*50.21*	*1.0*	*50*	*0*	*100*	*82 - 127*	*49.88*	*0.659*	*20*	

The following samples were analyzed in this batch: HS23070942-12

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

QC BATCH REPORT

Batch ID: R441895 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230720** Units: **ug/L** Analysis Date: **20-Jul-2023 21:34**
Client ID: Run ID: **VOA7_441895** SeqNo: **7441459** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*47.62*	*1.0*	*50*	*0*	*95.2*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*47.8*	*1.0*	*50*	*0*	*95.6*	*77 - 113*				
Surr: Dibromofluoromethane	*48.74*	*1.0*	*50*	*0*	*97.5*	*73 - 126*				
Surr: Toluene-d8	*49.6*	*1.0*	*50*	*0*	*99.2*	*81 - 120*				

LCS Sample ID: **VLCSW-230720** Units: **ug/L** Analysis Date: **20-Jul-2023 20:51**
Client ID: Run ID: **VOA7_441895** SeqNo: **7441458** 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 - 124				
Benzene	21.27	1.0	20	0	106	74 - 120				
Chlorobenzene	21.73	1.0	20	0	109	76 - 113				
Ethylbenzene	21.7	1.0	20	0	109	77 - 117				
Methylene chloride	20.3	2.0	20	0	102	70 - 127				
Toluene	21.05	1.0	20	0	105	77 - 118				
Xylenes, Total	65.62	3.0	60	0	109	75 - 122				
Surr: 1,2-Dichloroethane-d4	*49.58*	*1.0*	*50*	*0*	*99.2*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.99*	*1.0*	*50*	*0*	*98.0*	*77 - 113*				
Surr: Dibromofluoromethane	*49.41*	*1.0*	*50*	*0*	*98.8*	*73 - 126*				
Surr: Toluene-d8	*50.09*	*1.0*	*50*	*0*	*100*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

QC BATCH REPORT

Batch ID: R441895 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23070948-01MS** Units: **ug/L** Analysis Date: **20-Jul-2023 22:59**
Client ID: Run ID: **VOA7_441895** SeqNo: **7441463** PrepDate: DF: **50000**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	873800	50000	1e+006	0	87.4	70 - 127				
Benzene	930400	50000	1e+006	0	93.0	70 - 127				
Chlorobenzene	946500	50000	1e+006	0	94.7	70 - 114				
Ethylbenzene	970700	50000	1e+006	0	97.1	70 - 124				
Methylene chloride	4027000	100000	1e+006	4436000	-40.8	70 - 128				SO
Toluene	916800	50000	1e+006	0	91.7	70 - 123				
Xylenes, Total	2864000	150000	3e+006	0	95.5	70 - 130				
Surr: 1,2-Dichloroethane-d4	*2447000*	*50000*	*2.5e+006*	*0*	*97.9*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*2452000*	*50000*	*2.5e+006*	*0*	*98.1*	*77 - 113*				
Surr: Dibromofluoromethane	*2537000*	*50000*	*2.5e+006*	*0*	*101*	*77 - 123*				
Surr: Toluene-d8	*2504000*	*50000*	*2.5e+006*	*0*	*100*	*82 - 127*				

MSD Sample ID: **HS23070948-01MSD** Units: **ug/L** Analysis Date: **20-Jul-2023 23:21**
Client ID: Run ID: **VOA7_441895** SeqNo: **7441464** PrepDate: DF: **50000**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	812400	50000	1e+006	0	81.2	70 - 127	873800	7.28	20	
Benzene	890100	50000	1e+006	0	89.0	70 - 127	930400	4.42	20	
Chlorobenzene	890500	50000	1e+006	0	89.0	70 - 114	946500	6.1	20	
Ethylbenzene	905500	50000	1e+006	0	90.6	70 - 124	970700	6.95	20	
Methylene chloride	3907000	100000	1e+006	4436000	-52.9	70 - 128	4027000	3.04	20	SO
Toluene	870800	50000	1e+006	0	87.1	70 - 123	916800	5.14	20	
Xylenes, Total	2690000	150000	3e+006	0	89.7	70 - 130	2864000	6.27	20	
Surr: 1,2-Dichloroethane-d4	*2436000*	*50000*	*2.5e+006*	*0*	*97.5*	*70 - 126*	*2447000*	*0.433*	*20*	
Surr: 4-Bromofluorobenzene	*2455000*	*50000*	*2.5e+006*	*0*	*98.2*	*77 - 113*	*2452000*	*0.11*	*20*	
Surr: Dibromofluoromethane	*2464000*	*50000*	*2.5e+006*	*0*	*98.6*	*77 - 123*	*2537000*	*2.91*	*20*	
Surr: Toluene-d8	*2466000*	*50000*	*2.5e+006*	*0*	*98.6*	*82 - 127*	*2504000*	*1.55*	*20*	

The following samples were analyzed in this batch:

HS23070942-02	HS23070942-05	HS23070942-06	HS23070942-07
HS23070942-08	HS23070942-09	HS23070942-10	HS23070942-11

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

QC BATCH REPORT

Batch ID: R442040 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230722** Units: **ug/L** Analysis Date: **22-Jul-2023 11:39**
Client ID: Run ID: **VOA11_442040** SeqNo: **7444536** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Vinyl chloride	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*46.58*	*1.0*	*50*	*0*	*93.2*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*46.41*	*1.0*	*50*	*0*	*92.8*	*77 - 113*				
Surr: Dibromofluoromethane	*47.45*	*1.0*	*50*	*0*	*94.9*	*73 - 126*				
Surr: Toluene-d8	*50.36*	*1.0*	*50*	*0*	*101*	*81 - 120*				

LCS Sample ID: **VLCSW-230722** Units: **ug/L** Analysis Date: **22-Jul-2023 10:57**
Client ID: Run ID: **VOA11_442040** SeqNo: **7444763** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.76	1.0	20	0	88.8	70 - 124				
Benzene	17.87	1.0	20	0	89.3	74 - 120				
Chlorobenzene	17.41	1.0	20	0	87.0	76 - 113				
Ethylbenzene	19.09	1.0	20	0	95.5	77 - 117				
Methylene chloride	20.42	2.0	20	0	102	70 - 127				
Toluene	17.97	1.0	20	0	89.9	77 - 118				
Vinyl chloride	17.85	1.0	20	0	89.3	70 - 130				
Xylenes, Total	56.86	3.0	60	0	94.8	75 - 122				
Surr: 1,2-Dichloroethane-d4	*46.39*	*1.0*	*50*	*0*	*92.8*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.83*	*1.0*	*50*	*0*	*97.7*	*77 - 113*				
Surr: Dibromofluoromethane	*48.33*	*1.0*	*50*	*0*	*96.7*	*73 - 126*				
Surr: Toluene-d8	*50.25*	*1.0*	*50*	*0*	*101*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23070942

QC BATCH REPORT

Batch ID: R442040 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23071175-03MS** Units: **ug/L** Analysis Date: **22-Jul-2023 12:21**
Client ID: Run ID: **VOA11_442040** SeqNo: **7444764** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Dichloroethane	15.17	1.0	20	0	75.9	70 - 127				
Benzene	17.31	1.0	20	0	86.5	70 - 127				
Chlorobenzene	16.46	1.0	20	0	82.3	70 - 114				
Ethylbenzene	18.13	1.0	20	0	90.6	70 - 124				
Methylene chloride	18.38	2.0	20	0	91.9	70 - 128				
Toluene	17.64	1.0	20	0	88.2	70 - 123				
Vinyl chloride	16.18	1.0	20	0	80.9	70 - 130				
Xylenes, Total	54.5	3.0	60	0	90.8	70 - 130				
Surr: 1,2-Dichloroethane-d4	*45.89*	*1.0*	*50*	*0*	*91.8*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*48.92*	*1.0*	*50*	*0*	*97.8*	*77 - 113*				
Surr: Dibromofluoromethane	*49.35*	*1.0*	*50*	*0*	*98.7*	*77 - 123*				
Surr: Toluene-d8	*49.21*	*1.0*	*50*	*0*	*98.4*	*82 - 127*				

MSD Sample ID: **HS23071175-03MSD** Units: **ug/L** Analysis Date: **22-Jul-2023 12:43**
Client ID: Run ID: **VOA11_442040** SeqNo: **7444765** 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	14.63	1.0	20	0	73.2	70 - 127	15.17	3.62	20	
Benzene	16.28	1.0	20	0	81.4	70 - 127	17.31	6.1	20	
Chlorobenzene	16.14	1.0	20	0	80.7	70 - 114	16.46	1.97	20	
Ethylbenzene	17.34	1.0	20	0	86.7	70 - 124	18.13	4.42	20	
Methylene chloride	17.37	2.0	20	0	86.8	70 - 128	18.38	5.67	20	
Toluene	16.35	1.0	20	0	81.7	70 - 123	17.64	7.58	20	
Vinyl chloride	15.12	1.0	20	0	75.6	70 - 130	16.18	6.77	20	
Xylenes, Total	52.19	3.0	60	0	87.0	70 - 130	54.5	4.34	20	
Surr: 1,2-Dichloroethane-d4	*44.54*	*1.0*	*50*	*0*	*89.1*	*70 - 126*	*45.89*	*2.99*	*20*	
Surr: 4-Bromofluorobenzene	*48.95*	*1.0*	*50*	*0*	*97.9*	*77 - 113*	*48.92*	*0.0486*	*20*	
Surr: Dibromofluoromethane	*48.9*	*1.0*	*50*	*0*	*97.8*	*77 - 123*	*49.35*	*0.913*	*20*	
Surr: Toluene-d8	*50.66*	*1.0*	*50*	*0*	*101*	*82 - 127*	*49.21*	*2.92*	*20*	

The following samples were analyzed in this batch: HS23070942-01 HS23070942-03 HS23070942-04

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: **HS23070942**

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	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23070942 **Date/Time Received:** **14-Jul-2023 08:10**

Client Name: PBW **Received by:** **Paresh M. Giga**

Completed By: */S/ Nilesh D. Ranchod* (eSignature) 18-Jul-2023 16:04 (Date/Time) **Reviewed by:** (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:295431/295430
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):	2.5C/2.4C, 1.7C/1.6C,1.5C/1.4C UC/C	IR31
Cooler(s)/Kit(s):	51470/48071/49664	
Date/Time sample(s) sent to storage:	07/14/2023 18:00	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Sample Receipt Checklist

Work Order ID: HS23070942 **Date/Time Received:** **14-Jul-2023 08:10**

Client Name: PBW **Received by:** **Paresh M. Giga**

Completed By: */S/ Malcolm Burleson* 18-Jul-2023 17:34 **Reviewed by:** _____ _____

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 ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:295431
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):	2.5uc2.4c /1.7uc1.6c/1.5uc1.4c	ir31	
Cooler(s)/Kit(s):	51470/48071/49664		
Date/Time sample(s) sent to storage:	07182023		
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: 295431

HS23070942

WSP Golder

Houston TX-Wood Preserving Works 1620-02

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@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-MW23C-20230712	7-12-23	1305	GW		6	X	X	X								
2	WG-1620-MW19C-20230712		1415	GW		6	X	X	X								
3	WG-1620-MW18C-20230712		1510	GW		6	X	X	X								
4	WG-1620-MW18A-20230712		1555	GW		6		X	X	X							
5	WG-1620-MW58A-20230712		1650	GW		6	X	X	X								
6	WG-1620-MW57A-20230712		1750	GW		6	X	X	X								
7	WG-1620-MW57B-20230713	7-13-23	0745	GW		6	X	X	X								
8	WG-1620-MW72B-20230713		0840	GW		6	X	X	X								
9	WG-1620-MW13-20230713		0935	GW		6	X	X	X								
10	WG-1620-MW39B-20230713		1025	GW		6	X	X	X								

Sampler(s) Please Print & Sign: JOHN BRADBURN

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date: 7-14-23	Time: 0810	Received by:	Notes: Houston TX-Wood Preserving Works 1620-02	
Relinquished by:	Date:	Time:	Received by (Laboratory): 7/14/23 0810	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	51470	3.5°
				48071	1.7°
				48664	1.5°

QC Package: (Check One Box Below)

☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SVM848/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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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: 295430

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_W As)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@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-TW41R-20230713	7-13-23	1215	GW		6	X	X	X								
2	WG-1620-FB016-20230713	7-13-23	1240	GW		6	X	X	X								
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hrs ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
	7-14-23	0810	
Relinquished by:	Date:	Time:	Received by (Laboratory):
			7/14/23 08:10
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Houston TX-Wood Preserving Works 1620-02

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SVAB/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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August 11, 2023

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS23071134**

Laboratory Results for: **Houston TX-Wood Preserving Works 1620-02**

Dear Eric Matzner,

ALS Environmental received 15 sample(s) on Jul 19, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
James Guin

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works 1620-02	
WorkOrder:	**HS23071134**	

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.

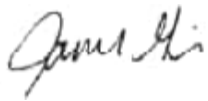
R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

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 1620-02	
WorkOrder:	**HS23071134**	

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.



James Guin

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/11/2023				
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071134				
Reviewer Name: James Guin			Prep Batch Number(s): 197955, 198033, 198318, R442014				
#[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 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: 08/11/2023				
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071134				
Reviewer Name: James Guin			Prep Batch Number(s): 197955, 198033, 198318, R442014				
#[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: 08/11/2023
Project Name: Houston TX-Wood Preserving Works 1620-02	Laboratory Job Number: HS23071134
Reviewer Name: James Guin	Prep Batch Number(s): 197955, 198033, 198318, R442014

ER#[5]	Description
1	Batch 197955, Semivolatiles by method SW8270, Sample WG-1620-MW25C-20230717, surrogate recoveries could not be determined due to dilution below the calibration range.
2	Batch 197955, Semivolatiles by method SW8270, Sample WG-1620-MW28C-20230718, MS and/or MSD recovered outside control limits for multiple compounds due to sample matrix interference.
3	Batch 197955, Semivolatiles by method SW8270, Sample WG-1620-MW28C-20230718, MS/MSD RPD recovered outside control limits for multiple compounds.
4	Batch R442014, Volatiles by method SW8260, Sample WG-1620-MW25C-20230717: Lowest possible dilution due to high concentrations of non target analytes.

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 1620-02
Work Order: HS23071134

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23071134-01	WG-1620-MW54C-20230717	GW		17-Jul-2023 12:55	19-Jul-2023 11:15	☐
HS23071134-02	WG-1620-MW53C-20230717	GW		17-Jul-2023 13:50	19-Jul-2023 11:15	☐
HS23071134-03	WG-1620-MW46C-20230717	GW		17-Jul-2023 14:40	19-Jul-2023 11:15	☐
HS23071134-04	WG-1620-MW25A-20230717	GW		17-Jul-2023 15:35	19-Jul-2023 11:15	☐
HS23071134-05	WG-1620-MW25C-20230717	GW		17-Jul-2023 16:40	19-Jul-2023 11:15	☐
HS23071134-06	WG-1620-MW44C-20230717	GW		17-Jul-2023 17:45	19-Jul-2023 11:15	☐
HS23071134-07	WG-1620-MW87C-20230718	GW		18-Jul-2023 07:35	19-Jul-2023 11:15	☐
HS23071134-08	WG-1620-MW28C-20230718	GW		18-Jul-2023 08:25	19-Jul-2023 11:15	☐
HS23071134-09	WG-1620-MW28A-20230718	GW		18-Jul-2023 09:10	19-Jul-2023 11:15	☐
HS23071134-10	WG-1620-MW91A-20230718	GW		18-Jul-2023 10:00	19-Jul-2023 11:15	☐
HS23071134-11	WG-1620-FD03-20230718	GW		18-Jul-2023 10:00	19-Jul-2023 11:15	☐
HS23071134-12	WG-1620-MW89B-20230718	GW		18-Jul-2023 12:00	19-Jul-2023 11:15	☐
HS23071134-13	WG-1620-MW93B-20230718	GW		18-Jul-2023 12:50	19-Jul-2023 11:15	☐
HS23071134-14	WG-1620-MW-82B-20230718	GW		18-Jul-2023 13:40	19-Jul-2023 11:15	☐
HS23071134-15	WG-1620-TB04-20230718	Water		18-Jul-2023 00:00	19-Jul-2023 11:15	☐

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW54C-20230717 Lab ID:HS23071134-01
Collection Date: 17-Jul-2023 12:55 Matrix:GW

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-2023 23:46
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2023 23:46
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2023 23:46
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2023 23:46
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2023 23:46
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2023 23:46
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	21-Jul-2023 23:46
Surr: 1,2-Dichloroethane-d4	*96.2*			*70-126*	*%REC*	*1*	*21-Jul-2023 23:46*
Surr: 4-Bromofluorobenzene	*96.9*			*77-113*	*%REC*	*1*	*21-Jul-2023 23:46*
Surr: Dibromofluoromethane	*99.9*			*77-123*	*%REC*	*1*	*21-Jul-2023 23:46*
Surr: Toluene-d8	*99.8*			*82-127*	*%REC*	*1*	*21-Jul-2023 23:46*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW54C-20230717 Lab ID:HS23071134-01
Collection Date: 17-Jul-2023 12:55 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 24-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 21:10
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	07-Aug-2023 21:10
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2023 21:10
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2023 21:10
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 21:10
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2023 21:10
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2023 21:10
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	07-Aug-2023 21:10
Acenaphthene	**0.015**		**0.00027**	**0.0010**	**mg/L**	10	09-Aug-2023 20:57
Acenaphthylene	**0.00017**		**0.000015**	**0.00010**	**mg/L**	1	07-Aug-2023 21:10
Anthracene	**0.00050**		**0.000014**	**0.00010**	**mg/L**	1	07-Aug-2023 21:10
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	07-Aug-2023 21:10
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2023 21:10
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2023 21:10
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	07-Aug-2023 21:10
Chrysene	**0.000029**	J	**0.000021**	**0.00010**	**mg/L**	1	07-Aug-2023 21:10
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	07-Aug-2023 21:10
Dibenzofuran	**0.0020**		**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2023 21:10
Fluoranthene	**0.0021**		**0.000010**	**0.00010**	**mg/L**	1	07-Aug-2023 21:10
Fluorene	**0.0068**		**0.000030**	**0.00010**	**mg/L**	1	07-Aug-2023 21:10
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2023 21:10
Naphthalene	**0.000073**	J	**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2023 21:10
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2023 21:10
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2023 21:10
Phenanthrene	**0.000060**	J	**0.000021**	**0.00010**	**mg/L**	1	07-Aug-2023 21:10
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2023 21:10
Pyrene	**0.0012**		**0.000019**	**0.00010**	**mg/L**	1	07-Aug-2023 21:10
Surr: 2,4,6-Tribromophenol	*74.7*			*34-129*	*%REC*	*10*	*09-Aug-2023 20:57*
Surr: 2,4,6-Tribromophenol	*53.9*			*34-129*	*%REC*	*1*	*07-Aug-2023 21:10*
Surr: 2-Fluorobiphenyl	*56.8*			*40-125*	*%REC*	*1*	*07-Aug-2023 21:10*
Surr: 2-Fluorobiphenyl	*53.6*			*40-125*	*%REC*	*10*	*09-Aug-2023 20:57*
Surr: 2-Fluorophenol	*28.3*	*J*		*20-120*	*%REC*	*10*	*09-Aug-2023 20:57*
Surr: 2-Fluorophenol	*45.2*			*20-120*	*%REC*	*1*	*07-Aug-2023 21:10*
Surr: 4-Terphenyl-d14	*88.3*			*40-135*	*%REC*	*10*	*09-Aug-2023 20:57*
Surr: 4-Terphenyl-d14	*65.7*			*40-135*	*%REC*	*1*	*07-Aug-2023 21:10*
Surr: Nitrobenzene-d5	*51.3*			*41-120*	*%REC*	*1*	*07-Aug-2023 21:10*
Surr: Nitrobenzene-d5	*49.8*			*41-120*	*%REC*	*10*	*09-Aug-2023 20:57*
Surr: Phenol-d6	*35.1*	*J*		*20-120*	*%REC*	*10*	*09-Aug-2023 20:57*
Surr: Phenol-d6	*50.2*			*20-120*	*%REC*	*1*	*07-Aug-2023 21:10*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW54C-20230717 Lab ID:HS23071134-01
Collection Date: 17-Jul-2023 12:55 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	**0.00446**		**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2023 22:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW53C-20230717 Lab ID:HS23071134-02
Collection Date: 17-Jul-2023 13:50 Matrix:GW

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-2023 00:08
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 00:08
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 00:08
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 00:08
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 00:08
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 00:08
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 00:08
Surr: 1,2-Dichloroethane-d4	*95.3*			*70-126*	*%REC*	*1*	*22-Jul-2023 00:08*
Surr: 4-Bromofluorobenzene	*95.8*			*77-113*	*%REC*	*1*	*22-Jul-2023 00:08*
Surr: Dibromofluoromethane	*96.3*			*77-123*	*%REC*	*1*	*22-Jul-2023 00:08*
Surr: Toluene-d8	*100.0*			*82-127*	*%REC*	*1*	*22-Jul-2023 00:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW53C-20230717 Lab ID:HS23071134-02
Collection Date: 17-Jul-2023 13:50 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 24-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 21:34
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	07-Aug-2023 21:34
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2023 21:34
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2023 21:34
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 21:34
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2023 21:34
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2023 21:34
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	07-Aug-2023 21:34
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	07-Aug-2023 21:34
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	07-Aug-2023 21:34
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	07-Aug-2023 21:34
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	07-Aug-2023 21:34
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2023 21:34
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2023 21:34
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	07-Aug-2023 21:34
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2023 21:34
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	07-Aug-2023 21:34
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2023 21:34
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	07-Aug-2023 21:34
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	07-Aug-2023 21:34
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2023 21:34
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2023 21:34
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2023 21:34
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2023 21:34
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2023 21:34
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2023 21:34
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2023 21:34
Surr: 2,4,6-Tribromophenol	*49.8*			*34-129*	*%REC*	*1*	*07-Aug-2023 21:34*
Surr: 2-Fluorobiphenyl	*55.0*			*40-125*	*%REC*	*1*	*07-Aug-2023 21:34*
Surr: 2-Fluorophenol	*43.6*			*20-120*	*%REC*	*1*	*07-Aug-2023 21:34*
Surr: 4-Terphenyl-d14	*68.8*			*40-135*	*%REC*	*1*	*07-Aug-2023 21:34*
Surr: Nitrobenzene-d5	*49.2*			*41-120*	*%REC*	*1*	*07-Aug-2023 21:34*
Surr: Phenol-d6	*50.7*			*20-120*	*%REC*	*1*	*07-Aug-2023 21:34*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	**0.00124**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2023 22:55

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW46C-20230717 Lab ID:HS23071134-03
Collection Date: 17-Jul-2023 14:40 Matrix:GW

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-2023 00:29
Benzene	**0.0037**		**0.00020**	**0.0010**	**mg/L**	1	22-Jul-2023 00:29
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 00:29
Ethylbenzene	**0.0097**		**0.00030**	**0.0010**	**mg/L**	1	22-Jul-2023 00:29
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 00:29
Toluene	**0.0010**		**0.00020**	**0.0010**	**mg/L**	1	22-Jul-2023 00:29
Xylenes, Total	**0.021**		**0.00030**	**0.0030**	**mg/L**	1	22-Jul-2023 00:29
Surr: 1,2-Dichloroethane-d4	*95.9*			*70-126*	*%REC*	*1*	*22-Jul-2023 00:29*
Surr: 4-Bromofluorobenzene	*98.7*			*77-113*	*%REC*	*1*	*22-Jul-2023 00:29*
Surr: Dibromofluoromethane	*98.6*			*77-123*	*%REC*	*1*	*22-Jul-2023 00:29*
Surr: Toluene-d8	*99.8*			*82-127*	*%REC*	*1*	*22-Jul-2023 00:29*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW46C-20230717 Lab ID:HS23071134-03
Collection Date: 17-Jul-2023 14:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 24-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 21:57
2,4-Dimethylphenol	**0.0046**		**0.000040**	**0.00020**	**mg/L**	1	07-Aug-2023 21:57
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2023 21:57
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2023 21:57
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 21:57
2-Methylnaphthalene	**0.00088**		**0.000019**	**0.00010**	**mg/L**	1	07-Aug-2023 21:57
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2023 21:57
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	07-Aug-2023 21:57
Acenaphthene	**0.027**		**0.00027**	**0.0010**	**mg/L**	10	09-Aug-2023 21:18
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	07-Aug-2023 21:57
Anthracene	**0.029**		**0.00014**	**0.0010**	**mg/L**	10	09-Aug-2023 21:18
Benz(a)anthracene	**0.0088**		**0.000050**	**0.00010**	**mg/L**	1	07-Aug-2023 21:57
Benzo(a)pyrene	**0.0039**		**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2023 21:57
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2023 21:57
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	07-Aug-2023 21:57
Chrysene	**0.0081**		**0.000021**	**0.00010**	**mg/L**	1	07-Aug-2023 21:57
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	07-Aug-2023 21:57
Dibenzofuran	**0.020**		**0.00020**	**0.0010**	**mg/L**	10	09-Aug-2023 21:18
Fluoranthene	**0.063**		**0.00010**	**0.0010**	**mg/L**	10	09-Aug-2023 21:18
Fluorene	**0.030**		**0.00030**	**0.0010**	**mg/L**	10	09-Aug-2023 21:18
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2023 21:57
Naphthalene	**0.000099**	J	**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2023 21:57
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2023 21:57
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2023 21:57
Phenanthrene	**0.093**		**0.00021**	**0.0010**	**mg/L**	10	09-Aug-2023 21:18
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2023 21:57
Pyrene	**0.037**		**0.00019**	**0.0010**	**mg/L**	10	09-Aug-2023 21:18
Surr: 2,4,6-Tribromophenol	*57.3*			*34-129*	*%REC*	*10*	*09-Aug-2023 21:18*
Surr: 2,4,6-Tribromophenol	*107*			*34-129*	*%REC*	*1*	*07-Aug-2023 21:57*
Surr: 2-Fluorobiphenyl	*88.6*			*40-125*	*%REC*	*1*	*07-Aug-2023 21:57*
Surr: 2-Fluorobiphenyl	*92.8*			*40-125*	*%REC*	*10*	*09-Aug-2023 21:18*
Surr: 2-Fluorophenol	*51.2*			*20-120*	*%REC*	*10*	*09-Aug-2023 21:18*
Surr: 2-Fluorophenol	*66.6*			*20-120*	*%REC*	*1*	*07-Aug-2023 21:57*
Surr: 4-Terphenyl-d14	*111*			*40-135*	*%REC*	*1*	*07-Aug-2023 21:57*
Surr: 4-Terphenyl-d14	*112*			*40-135*	*%REC*	*10*	*09-Aug-2023 21:18*
Surr: Nitrobenzene-d5	*44.4*			*41-120*	*%REC*	*1*	*07-Aug-2023 21:57*
Surr: Nitrobenzene-d5	*60.7*			*41-120*	*%REC*	*10*	*09-Aug-2023 21:18*
Surr: Phenol-d6	*40.5*			*20-120*	*%REC*	*1*	*07-Aug-2023 21:57*
Surr: Phenol-d6	*57.0*			*20-120*	*%REC*	*10*	*09-Aug-2023 21:18*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW46C-20230717 Lab ID:HS23071134-03
Collection Date: 17-Jul-2023 14:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	**0.000548**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2023 22:58

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW25A-20230717 Lab ID:HS23071134-04
Collection Date: 17-Jul-2023 15:35 Matrix:GW

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-2023 00:50
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 00:50
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 00:50
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 00:50
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 00:50
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 00:50
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 00:50
Surr: 1,2-Dichloroethane-d4	*96.2*			*70-126*	*%REC*	*1*	*22-Jul-2023 00:50*
Surr: 4-Bromofluorobenzene	*96.5*			*77-113*	*%REC*	*1*	*22-Jul-2023 00:50*
Surr: Dibromofluoromethane	*97.2*			*77-123*	*%REC*	*1*	*22-Jul-2023 00:50*
Surr: Toluene-d8	*99.5*			*82-127*	*%REC*	*1*	*22-Jul-2023 00:50*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW25A-20230717 Lab ID:HS23071134-04
Collection Date: 17-Jul-2023 15:35 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 24-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 22:20
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	07-Aug-2023 22:20
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2023 22:20
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2023 22:20
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 22:20
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2023 22:20
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2023 22:20
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	07-Aug-2023 22:20
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	07-Aug-2023 22:20
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	07-Aug-2023 22:20
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	07-Aug-2023 22:20
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	07-Aug-2023 22:20
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2023 22:20
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2023 22:20
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	07-Aug-2023 22:20
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2023 22:20
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	07-Aug-2023 22:20
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2023 22:20
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	07-Aug-2023 22:20
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	07-Aug-2023 22:20
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2023 22:20
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2023 22:20
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2023 22:20
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2023 22:20
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2023 22:20
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2023 22:20
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2023 22:20
Surr: 2,4,6-Tribromophenol	*53.3*			*34-129*	*%REC*	*1*	*07-Aug-2023 22:20*
Surr: 2-Fluorobiphenyl	*54.5*			*40-125*	*%REC*	*1*	*07-Aug-2023 22:20*
Surr: 2-Fluorophenol	*43.6*			*20-120*	*%REC*	*1*	*07-Aug-2023 22:20*
Surr: 4-Terphenyl-d14	*65.6*			*40-135*	*%REC*	*1*	*07-Aug-2023 22:20*
Surr: Nitrobenzene-d5	*48.0*			*41-120*	*%REC*	*1*	*07-Aug-2023 22:20*
Surr: Phenol-d6	*48.4*			*20-120*	*%REC*	*1*	*07-Aug-2023 22:20*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	**0.00160**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2023 23:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW25C-20230717 Lab ID:HS23071134-05
Collection Date: 17-Jul-2023 16:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.0040		0.0040	0.020	mg/L	20	22-Jul-2023 01:12
Benzene	< 0.0040		0.0040	0.020	mg/L	20	22-Jul-2023 01:12
Chlorobenzene	< 0.0060		0.0060	0.020	mg/L	20	22-Jul-2023 01:12
Ethylbenzene	**0.029**		**0.0060**	**0.020**	**mg/L**	20	22-Jul-2023 01:12
Methylene chloride	< 0.020		0.020	0.040	mg/L	20	22-Jul-2023 01:12
Toluene	< 0.0040		0.0040	0.020	mg/L	20	22-Jul-2023 01:12
Xylenes, Total	**0.16**		**0.0060**	**0.060**	**mg/L**	20	22-Jul-2023 01:12
Surr: 1,2-Dichloroethane-d4	*96.4*			*70-126*	*%REC*	*20*	*22-Jul-2023 01:12*
Surr: 4-Bromofluorobenzene	*97.3*			*77-113*	*%REC*	*20*	*22-Jul-2023 01:12*
Surr: Dibromofluoromethane	*98.1*			*77-123*	*%REC*	*20*	*22-Jul-2023 01:12*
Surr: Toluene-d8	*100.0*			*82-127*	*%REC*	*20*	*22-Jul-2023 01:12*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW25C-20230717 Lab ID:HS23071134-05
Collection Date: 17-Jul-2023 16:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 24-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 22:43
2,4-Dimethylphenol	**0.00070**		**0.000040**	**0.00020**	**mg/L**	1	07-Aug-2023 22:43
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2023 22:43
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2023 22:43
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 22:43
2-Methylnaphthalene	**0.16**		**0.0019**	**0.010**	**mg/L**	100	09-Aug-2023 22:00
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2023 22:43
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	07-Aug-2023 22:43
Acenaphthene	**0.060**		**0.00027**	**0.0010**	**mg/L**	10	09-Aug-2023 21:39
Acenaphthylene	**0.00062**		**0.000015**	**0.00010**	**mg/L**	1	07-Aug-2023 22:43
Anthracene	**0.0048**		**0.000014**	**0.00010**	**mg/L**	1	07-Aug-2023 22:43
Benz(a)anthracene	**0.00053**		**0.000050**	**0.00010**	**mg/L**	1	07-Aug-2023 22:43
Benzo(a)pyrene	**0.00016**		**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2023 22:43
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2023 22:43
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	07-Aug-2023 22:43
Chrysene	**0.00050**		**0.000021**	**0.00010**	**mg/L**	1	07-Aug-2023 22:43
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	07-Aug-2023 22:43
Dibenzofuran	**0.058**		**0.00020**	**0.0010**	**mg/L**	10	09-Aug-2023 21:39
Fluoranthene	**0.0048**		**0.000010**	**0.00010**	**mg/L**	1	07-Aug-2023 22:43
Fluorene	**0.033**		**0.00030**	**0.0010**	**mg/L**	10	09-Aug-2023 21:39
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2023 22:43
Naphthalene	**0.77**		**0.0020**	**0.010**	**mg/L**	100	09-Aug-2023 22:00
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2023 22:43
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2023 22:43
Phenanthrene	**0.049**		**0.00021**	**0.0010**	**mg/L**	10	09-Aug-2023 21:39
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2023 22:43
Pyrene	**0.0032**		**0.000019**	**0.00010**	**mg/L**	1	07-Aug-2023 22:43
Surr: 2,4,6-Tribromophenol	*40.2*			*34-129*	*%REC*	*1*	*07-Aug-2023 22:43*
Surr: 2,4,6-Tribromophenol	*61.3*			*34-129*	*%REC*	*10*	*09-Aug-2023 21:39*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*09-Aug-2023 22:00*
Surr: 2-Fluorobiphenyl	*40.4*			*40-125*	*%REC*	*10*	*09-Aug-2023 21:39*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*09-Aug-2023 22:00*
Surr: 2-Fluorobiphenyl	*34.9*	*S*		*40-125*	*%REC*	*1*	*07-Aug-2023 22:43*
Surr: 2-Fluorophenol	*24.8*			*20-120*	*%REC*	*1*	*07-Aug-2023 22:43*
Surr: 2-Fluorophenol	*43.3*			*20-120*	*%REC*	*10*	*09-Aug-2023 21:39*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 22:00*
Surr: 4-Terphenyl-d14	*86.4*			*40-135*	*%REC*	*10*	*09-Aug-2023 21:39*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*09-Aug-2023 22:00*
Surr: 4-Terphenyl-d14	*56.4*			*40-135*	*%REC*	*1*	*07-Aug-2023 22:43*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW25C-20230717 Lab ID:HS23071134-05
Collection Date: 17-Jul-2023 16:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 24-Jul-2023		Analyst: GEY
Surr: Nitrobenzene-d5	*47.3*			*41-120*	*%REC*	*10*	*09-Aug-2023 21:39*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*09-Aug-2023 22:00*
Surr: Nitrobenzene-d5	*60.5*			*41-120*	*%REC*	*1*	*07-Aug-2023 22:43*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 22:00*
Surr: Phenol-d6	*27.4*			*20-120*	*%REC*	*1*	*07-Aug-2023 22:43*
Surr: Phenol-d6	*46.5*			*20-120*	*%REC*	*10*	*09-Aug-2023 21:39*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	**0.0169**		**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2023 23:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW44C-20230717 Lab ID:HS23071134-06
Collection Date: 17-Jul-2023 17:45 Matrix:GW

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-2023 01:33
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 01:33
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 01:33
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 01:33
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 01:33
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 01:33
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 01:33
Surr: 1,2-Dichloroethane-d4	*96.2*			*70-126*	*%REC*	*1*	*22-Jul-2023 01:33*
Surr: 4-Bromofluorobenzene	*97.7*			*77-113*	*%REC*	*1*	*22-Jul-2023 01:33*
Surr: Dibromofluoromethane	*98.5*			*77-123*	*%REC*	*1*	*22-Jul-2023 01:33*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*22-Jul-2023 01:33*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW44C-20230717 Lab ID:HS23071134-06
Collection Date: 17-Jul-2023 17:45 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 24-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 23:06
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	07-Aug-2023 23:06
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2023 23:06
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2023 23:06
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 23:06
2-Methylnaphthalene	**0.000023**	J	**0.000019**	**0.00010**	**mg/L**	1	07-Aug-2023 23:06
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2023 23:06
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	07-Aug-2023 23:06
Acenaphthene	**0.00036**		**0.000027**	**0.00010**	**mg/L**	1	07-Aug-2023 23:06
Acenaphthylene	**0.000021**	J	**0.000015**	**0.00010**	**mg/L**	1	07-Aug-2023 23:06
Anthracene	**0.000099**	J	**0.000014**	**0.00010**	**mg/L**	1	07-Aug-2023 23:06
Benz(a)anthracene	**0.000066**	J	**0.000050**	**0.00010**	**mg/L**	1	07-Aug-2023 23:06
Benzo(a)pyrene	**0.000066**	J	**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2023 23:06
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2023 23:06
Bis(2-ethylhexyl)phthalate	**0.000043**	J	**0.000037**	**0.00020**	**mg/L**	1	07-Aug-2023 23:06
Chrysene	**0.000087**	J	**0.000021**	**0.00010**	**mg/L**	1	07-Aug-2023 23:06
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	07-Aug-2023 23:06
Dibenzofuran	**0.00013**		**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2023 23:06
Fluoranthene	**0.00028**		**0.000010**	**0.00010**	**mg/L**	1	07-Aug-2023 23:06
Fluorene	**0.00015**		**0.000030**	**0.00010**	**mg/L**	1	07-Aug-2023 23:06
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2023 23:06
Naphthalene	**0.00010**		**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2023 23:06
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2023 23:06
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2023 23:06
Phenanthrene	**0.00038**		**0.000021**	**0.00010**	**mg/L**	1	07-Aug-2023 23:06
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2023 23:06
Pyrene	**0.00023**		**0.000019**	**0.00010**	**mg/L**	1	07-Aug-2023 23:06
Surr: 2,4,6-Tribromophenol	*46.5*			*34-129*	*%REC*	*1*	*07-Aug-2023 23:06*
Surr: 2-Fluorobiphenyl	*54.9*			*40-125*	*%REC*	*1*	*07-Aug-2023 23:06*
Surr: 2-Fluorophenol	*40.1*			*20-120*	*%REC*	*1*	*07-Aug-2023 23:06*
Surr: 4-Terphenyl-d14	*65.3*			*40-135*	*%REC*	*1*	*07-Aug-2023 23:06*
Surr: Nitrobenzene-d5	*43.9*			*41-120*	*%REC*	*1*	*07-Aug-2023 23:06*
Surr: Phenol-d6	*45.5*			*20-120*	*%REC*	*1*	*07-Aug-2023 23:06*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	**0.00711**		**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2023 23:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW87C-20230718 Lab ID:HS23071134-07
Collection Date: 18-Jul-2023 07:35 Matrix:GW

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-2023 01:55
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 01:55
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 01:55
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 01:55
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 01:55
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 01:55
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 01:55
Surr: 1,2-Dichloroethane-d4	*96.1*			*70-126*	*%REC*	*1*	*22-Jul-2023 01:55*
Surr: 4-Bromofluorobenzene	*95.6*			*77-113*	*%REC*	*1*	*22-Jul-2023 01:55*
Surr: Dibromofluoromethane	*98.4*			*77-123*	*%REC*	*1*	*22-Jul-2023 01:55*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*22-Jul-2023 01:55*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW87C-20230718 Lab ID:HS23071134-07
Collection Date: 18-Jul-2023 07:35 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 24-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 23:29
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	07-Aug-2023 23:29
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2023 23:29
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2023 23:29
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 23:29
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2023 23:29
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2023 23:29
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	07-Aug-2023 23:29
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	07-Aug-2023 23:29
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	07-Aug-2023 23:29
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	07-Aug-2023 23:29
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	07-Aug-2023 23:29
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2023 23:29
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2023 23:29
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	07-Aug-2023 23:29
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2023 23:29
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	07-Aug-2023 23:29
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2023 23:29
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	07-Aug-2023 23:29
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	07-Aug-2023 23:29
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2023 23:29
Naphthalene	**0.000029**	J	**0.000020**	**0.00010**	**mg/L**	1	07-Aug-2023 23:29
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2023 23:29
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2023 23:29
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2023 23:29
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2023 23:29
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2023 23:29
Surr: 2,4,6-Tribromophenol	*58.6*			*34-129*	*%REC*	*1*	*07-Aug-2023 23:29*
Surr: 2-Fluorobiphenyl	*58.8*			*40-125*	*%REC*	*1*	*07-Aug-2023 23:29*
Surr: 2-Fluorophenol	*46.7*			*20-120*	*%REC*	*1*	*07-Aug-2023 23:29*
Surr: 4-Terphenyl-d14	*71.1*			*40-135*	*%REC*	*1*	*07-Aug-2023 23:29*
Surr: Nitrobenzene-d5	*51.1*			*41-120*	*%REC*	*1*	*07-Aug-2023 23:29*
Surr: Phenol-d6	*51.5*			*20-120*	*%REC*	*1*	*07-Aug-2023 23:29*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	**0.000491**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2023 23:06

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW28C-20230718 Lab ID:HS23071134-08
Collection Date: 18-Jul-2023 08:25 Matrix:GW

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-2023 22:42
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2023 22:42
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2023 22:42
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2023 22:42
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2023 22:42
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2023 22:42
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	21-Jul-2023 22:42
Surr: 1,2-Dichloroethane-d4	*95.7*			*70-126*	*%REC*	*1*	*21-Jul-2023 22:42*
Surr: 4-Bromofluorobenzene	*97.6*			*77-113*	*%REC*	*1*	*21-Jul-2023 22:42*
Surr: Dibromofluoromethane	*98.7*			*77-123*	*%REC*	*1*	*21-Jul-2023 22:42*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*21-Jul-2023 22:42*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW28C-20230718 Lab ID:HS23071134-08
Collection Date: 18-Jul-2023 08:25 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 24-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 23:52
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	07-Aug-2023 23:52
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	07-Aug-2023 23:52
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	07-Aug-2023 23:52
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	07-Aug-2023 23:52
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2023 23:52
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	07-Aug-2023 23:52
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	07-Aug-2023 23:52
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	07-Aug-2023 23:52
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	07-Aug-2023 23:52
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	07-Aug-2023 23:52
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	07-Aug-2023 23:52
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2023 23:52
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	07-Aug-2023 23:52
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	07-Aug-2023 23:52
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2023 23:52
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	07-Aug-2023 23:52
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2023 23:52
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	07-Aug-2023 23:52
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	07-Aug-2023 23:52
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	07-Aug-2023 23:52
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	07-Aug-2023 23:52
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	07-Aug-2023 23:52
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	07-Aug-2023 23:52
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	07-Aug-2023 23:52
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	07-Aug-2023 23:52
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	07-Aug-2023 23:52
Surr: 2,4,6-Tribromophenol	*49.2*			*34-129*	*%REC*	*1*	*07-Aug-2023 23:52*
Surr: 2-Fluorobiphenyl	*50.3*			*40-125*	*%REC*	*1*	*07-Aug-2023 23:52*
Surr: 2-Fluorophenol	*41.0*			*20-120*	*%REC*	*1*	*07-Aug-2023 23:52*
Surr: 4-Terphenyl-d14	*68.3*			*40-135*	*%REC*	*1*	*07-Aug-2023 23:52*
Surr: Nitrobenzene-d5	*44.6*			*41-120*	*%REC*	*1*	*07-Aug-2023 23:52*
Surr: Phenol-d6	*45.5*			*20-120*	*%REC*	*1*	*07-Aug-2023 23:52*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	**0.00118**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2023 22:38

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW28A-20230718 Lab ID:HS23071134-09
Collection Date: 18-Jul-2023 09:10 Matrix:GW

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-2023 02:16
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 02:16
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 02:16
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 02:16
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 02:16
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 02:16
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 02:16
Surr: 1,2-Dichloroethane-d4	*96.4*			*70-126*	*%REC*	*1*	*22-Jul-2023 02:16*
Surr: 4-Bromofluorobenzene	*95.9*			*77-113*	*%REC*	*1*	*22-Jul-2023 02:16*
Surr: Dibromofluoromethane	*98.1*			*77-123*	*%REC*	*1*	*22-Jul-2023 02:16*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*22-Jul-2023 02:16*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW28A-20230718 Lab ID:HS23071134-09
Collection Date: 18-Jul-2023 09:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 14:43
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 14:43
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 14:43
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 14:43
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 14:43
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 14:43
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 14:43
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 14:43
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 14:43
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 14:43
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 14:43
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 14:43
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 14:43
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 14:43
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 14:43
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 14:43
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 14:43
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 14:43
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 14:43
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 14:43
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 14:43
Naphthalene	**0.000050**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2023 14:43
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 14:43
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 14:43
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 14:43
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 14:43
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 14:43
Surr: 2,4,6-Tribromophenol	*74.0*			*34-129*	*%REC*	*1*	*02-Aug-2023 14:43*
Surr: 2-Fluorobiphenyl	*69.8*			*40-125*	*%REC*	*1*	*02-Aug-2023 14:43*
Surr: 2-Fluorophenol	*52.2*			*20-120*	*%REC*	*1*	*02-Aug-2023 14:43*
Surr: 4-Terphenyl-d14	*79.2*			*40-135*	*%REC*	*1*	*02-Aug-2023 14:43*
Surr: Nitrobenzene-d5	*56.0*			*41-120*	*%REC*	*1*	*02-Aug-2023 14:43*
Surr: Phenol-d6	*57.7*			*20-120*	*%REC*	*1*	*02-Aug-2023 14:43*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	**0.00860**		**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2023 23:08

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW91A-20230718 Lab ID:HS23071134-10
Collection Date: 18-Jul-2023 10:00 Matrix:GW

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-2023 02:38
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 02:38
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 02:38
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 02:38
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 02:38
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 02:38
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 02:38
Surr: 1,2-Dichloroethane-d4	*95.7*			*70-126*	*%REC*	*1*	*22-Jul-2023 02:38*
Surr: 4-Bromofluorobenzene	*96.6*			*77-113*	*%REC*	*1*	*22-Jul-2023 02:38*
Surr: Dibromofluoromethane	*99.3*			*77-123*	*%REC*	*1*	*22-Jul-2023 02:38*
Surr: Toluene-d8	*99.8*			*82-127*	*%REC*	*1*	*22-Jul-2023 02:38*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW91A-20230718 Lab ID:HS23071134-10
Collection Date: 18-Jul-2023 10:00 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 15:06
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 15:06
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 15:06
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 15:06
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 15:06
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 15:06
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 15:06
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 15:06
Acenaphthene	**0.00026**		**0.000027**	**0.00010**	**mg/L**	1	02-Aug-2023 15:06
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 15:06
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 15:06
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 15:06
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 15:06
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 15:06
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 15:06
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 15:06
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 15:06
Dibenzofuran	**0.000050**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2023 15:06
Fluoranthene	**0.000054**	J	**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2023 15:06
Fluorene	**0.00017**		**0.000030**	**0.00010**	**mg/L**	1	02-Aug-2023 15:06
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 15:06
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 15:06
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 15:06
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 15:06
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 15:06
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 15:06
Pyrene	**0.000028**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2023 15:06
Surr: 2,4,6-Tribromophenol	*64.2*			*34-129*	*%REC*	*1*	*02-Aug-2023 15:06*
Surr: 2-Fluorobiphenyl	*62.1*			*40-125*	*%REC*	*1*	*02-Aug-2023 15:06*
Surr: 2-Fluorophenol	*46.8*			*20-120*	*%REC*	*1*	*02-Aug-2023 15:06*
Surr: 4-Terphenyl-d14	*80.3*			*40-135*	*%REC*	*1*	*02-Aug-2023 15:06*
Surr: Nitrobenzene-d5	*50.1*			*41-120*	*%REC*	*1*	*02-Aug-2023 15:06*
Surr: Phenol-d6	*51.2*			*20-120*	*%REC*	*1*	*02-Aug-2023 15:06*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	**0.0363**		**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2023 23:11

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-FD03-20230718 Lab ID:HS23071134-11
Collection Date: 18-Jul-2023 10:00 Matrix:GW

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-2023 02:59
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 02:59
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 02:59
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 02:59
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 02:59
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 02:59
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 02:59
Surr: 1,2-Dichloroethane-d4	*96.8*			*70-126*	*%REC*	*1*	*22-Jul-2023 02:59*
Surr: 4-Bromofluorobenzene	*96.6*			*77-113*	*%REC*	*1*	*22-Jul-2023 02:59*
Surr: Dibromofluoromethane	*98.3*			*77-123*	*%REC*	*1*	*22-Jul-2023 02:59*
Surr: Toluene-d8	*99.4*			*82-127*	*%REC*	*1*	*22-Jul-2023 02:59*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-FD03-20230718 Lab ID:HS23071134-11
Collection Date: 18-Jul-2023 10:00 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 15:30
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 15:30
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 15:30
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 15:30
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 15:30
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 15:30
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 15:30
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 15:30
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 15:30
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 15:30
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 15:30
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 15:30
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 15:30
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 15:30
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 15:30
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 15:30
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 15:30
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 15:30
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 15:30
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 15:30
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 15:30
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 15:30
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 15:30
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 15:30
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 15:30
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 15:30
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 15:30
Surr: 2,4,6-Tribromophenol	*44.9*			*34-129*	*%REC*	*1*	*02-Aug-2023 15:30*
Surr: 2-Fluorobiphenyl	*46.5*			*40-125*	*%REC*	*1*	*02-Aug-2023 15:30*
Surr: 2-Fluorophenol	*36.7*			*20-120*	*%REC*	*1*	*02-Aug-2023 15:30*
Surr: 4-Terphenyl-d14	*72.6*			*40-135*	*%REC*	*1*	*02-Aug-2023 15:30*
Surr: Nitrobenzene-d5	*41.2*			*41-120*	*%REC*	*1*	*02-Aug-2023 15:30*
Surr: Phenol-d6	*40.4*			*20-120*	*%REC*	*1*	*02-Aug-2023 15:30*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	**0.0292**		**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2023 23:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW89B-20230718 Lab ID:HS23071134-12
Collection Date: 18-Jul-2023 12:00 Matrix:GW

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-2023 03:21
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 03:21
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 03:21
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 03:21
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 03:21
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 03:21
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 03:21
Surr: 1,2-Dichloroethane-d4	*93.6*			*70-126*	*%REC*	*1*	*22-Jul-2023 03:21*
Surr: 4-Bromofluorobenzene	*95.4*			*77-113*	*%REC*	*1*	*22-Jul-2023 03:21*
Surr: Dibromofluoromethane	*98.2*			*77-123*	*%REC*	*1*	*22-Jul-2023 03:21*
Surr: Toluene-d8	*99.7*			*82-127*	*%REC*	*1*	*22-Jul-2023 03:21*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW89B-20230718 Lab ID:HS23071134-12
Collection Date: 18-Jul-2023 12:00 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	08-Aug-2023 14:26
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	08-Aug-2023 14:26
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	08-Aug-2023 14:26
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	08-Aug-2023 14:26
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	08-Aug-2023 14:26
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	08-Aug-2023 14:26
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	08-Aug-2023 14:26
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	08-Aug-2023 14:26
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	08-Aug-2023 14:26
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	08-Aug-2023 14:26
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	08-Aug-2023 14:26
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	08-Aug-2023 14:26
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	08-Aug-2023 14:26
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	08-Aug-2023 14:26
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	08-Aug-2023 14:26
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	08-Aug-2023 14:26
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	08-Aug-2023 14:26
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	08-Aug-2023 14:26
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	08-Aug-2023 14:26
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	08-Aug-2023 14:26
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	08-Aug-2023 14:26
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	08-Aug-2023 14:26
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	08-Aug-2023 14:26
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	08-Aug-2023 14:26
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	08-Aug-2023 14:26
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	08-Aug-2023 14:26
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	08-Aug-2023 14:26
Surr: 2,4,6-Tribromophenol	*65.7*			*34-129*	*%REC*	*1*	*08-Aug-2023 14:26*
Surr: 2-Fluorobiphenyl	*70.1*			*40-125*	*%REC*	*1*	*08-Aug-2023 14:26*
Surr: 2-Fluorophenol	*51.3*			*20-120*	*%REC*	*1*	*08-Aug-2023 14:26*
Surr: 4-Terphenyl-d14	*84.6*			*40-135*	*%REC*	*1*	*08-Aug-2023 14:26*
Surr: Nitrobenzene-d5	*56.0*			*41-120*	*%REC*	*1*	*08-Aug-2023 14:26*
Surr: Phenol-d6	*56.3*			*20-120*	*%REC*	*1*	*08-Aug-2023 14:26*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	**0.000702**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2023 23:19

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW93B-20230718 Lab ID:HS23071134-13
Collection Date: 18-Jul-2023 12:50 Matrix:GW

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-2023 03:42
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 03:42
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 03:42
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 03:42
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 03:42
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 03:42
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 03:42
Surr: 1,2-Dichloroethane-d4	*97.3*			*70-126*	*%REC*	*1*	*22-Jul-2023 03:42*
Surr: 4-Bromofluorobenzene	*95.7*			*77-113*	*%REC*	*1*	*22-Jul-2023 03:42*
Surr: Dibromofluoromethane	*99.3*			*77-123*	*%REC*	*1*	*22-Jul-2023 03:42*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*22-Jul-2023 03:42*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW93B-20230718
Collection Date: 18-Jul-2023 12:50

ANALYTICAL REPORT
WorkOrder:HS23071134
Lab ID:HS23071134-13
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 16:17
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 16:17
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 16:17
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 16:17
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 16:17
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 16:17
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 16:17
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 16:17
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 16:17
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 16:17
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 16:17
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 16:17
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 16:17
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 16:17
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 16:17
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 16:17
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 16:17
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 16:17
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 16:17
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 16:17
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 16:17
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 16:17
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 16:17
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 16:17
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 16:17
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 16:17
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 16:17
Surr: 2,4,6-Tribromophenol	*71.8*			*34-129*	*%REC*	*1*	*02-Aug-2023 16:17*
Surr: 2-Fluorobiphenyl	*61.4*			*40-125*	*%REC*	*1*	*02-Aug-2023 16:17*
Surr: 2-Fluorophenol	*45.8*			*20-120*	*%REC*	*1*	*02-Aug-2023 16:17*
Surr: 4-Terphenyl-d14	*76.4*			*40-135*	*%REC*	*1*	*02-Aug-2023 16:17*
Surr: Nitrobenzene-d5	*48.4*			*41-120*	*%REC*	*1*	*02-Aug-2023 16:17*
Surr: Phenol-d6	*50.0*			*20-120*	*%REC*	*1*	*02-Aug-2023 16:17*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	**0.00120**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2023 23:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW-82B-20230718 Lab ID:HS23071134-14
Collection Date: 18-Jul-2023 13:40 Matrix:GW

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-2023 04:04
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 04:04
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 04:04
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 04:04
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 04:04
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 04:04
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 04:04
Surr: 1,2-Dichloroethane-d4	*96.5*			*70-126*	*%REC*	*1*	*22-Jul-2023 04:04*
Surr: 4-Bromofluorobenzene	*97.4*			*77-113*	*%REC*	*1*	*22-Jul-2023 04:04*
Surr: Dibromofluoromethane	*98.9*			*77-123*	*%REC*	*1*	*22-Jul-2023 04:04*
Surr: Toluene-d8	*99.8*			*82-127*	*%REC*	*1*	*22-Jul-2023 04:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-MW-82B-20230718 Lab ID:HS23071134-14
Collection Date: 18-Jul-2023 13:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 16:40
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 16:40
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 16:40
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 16:40
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 16:40
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 16:40
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 16:40
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 16:40
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 16:40
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 16:40
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 16:40
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 16:40
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 16:40
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 16:40
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 16:40
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 16:40
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 16:40
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 16:40
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 16:40
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 16:40
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 16:40
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 16:40
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 16:40
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 16:40
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 16:40
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 16:40
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 16:40
Surr: 2,4,6-Tribromophenol	*72.8*			*34-129*	*%REC*	*1*	*02-Aug-2023 16:40*
Surr: 2-Fluorobiphenyl	*63.5*			*40-125*	*%REC*	*1*	*02-Aug-2023 16:40*
Surr: 2-Fluorophenol	*48.2*			*20-120*	*%REC*	*1*	*02-Aug-2023 16:40*
Surr: 4-Terphenyl-d14	*78.7*			*40-135*	*%REC*	*1*	*02-Aug-2023 16:40*
Surr: Nitrobenzene-d5	*50.8*			*41-120*	*%REC*	*1*	*02-Aug-2023 16:40*
Surr: Phenol-d6	*52.5*			*20-120*	*%REC*	*1*	*02-Aug-2023 16:40*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	**0.000838**	J	**0.000400**	**0.00200**	**mg/L**	1	31-Jul-2023 23:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071134
Sample ID: WG-1620-TB04-20230718 Lab ID:HS23071134-15
Collection Date: 18-Jul-2023 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	21-Jul-2023 22:20
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2023 22:20
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2023 22:20
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	21-Jul-2023 22:20
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	21-Jul-2023 22:20
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	21-Jul-2023 22:20
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	21-Jul-2023 22:20
Surr: 1,2-Dichloroethane-d4	*96.3*			*70-126*	*%REC*	*1*	*21-Jul-2023 22:20*
Surr: 4-Bromofluorobenzene	*97.2*			*77-113*	*%REC*	*1*	*21-Jul-2023 22:20*
Surr: Dibromofluoromethane	*97.6*			*77-123*	*%REC*	*1*	*21-Jul-2023 22:20*
Surr: Toluene-d8	*99.3*			*82-127*	*%REC*	*1*	*21-Jul-2023 22:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071134

Batch ID: 197955 **Start Date:** 24 Jul 2023 15:12 **End Date:** 24 Jul 2023 15:12
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071134-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071134-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071134-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071134-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071134-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071134-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071134-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071134-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198033 **Start Date:** 25 Jul 2023 15:55 **End Date:** 25 Jul 2023 15:55
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071134-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071134-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071134-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071134-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071134-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071134-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198318 **Start Date:** 31 Jul 2023 12:00 **End Date:** 31 Jul 2023 12:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071134-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071134-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071134-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071134-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071134-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071134-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071134-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071134-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071134-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071134-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071134-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071134-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071134-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071134-14		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071134

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 197955 (1)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS23071134-01	WG-1620-MW54C-20230717	17 Jul 2023 12:55		24 Jul 2023 15:12	09 Aug 2023 20:57	10
HS23071134-01	WG-1620-MW54C-20230717	17 Jul 2023 12:55		24 Jul 2023 15:12	07 Aug 2023 21:10	1
HS23071134-02	WG-1620-MW53C-20230717	17 Jul 2023 13:50		24 Jul 2023 15:12	07 Aug 2023 21:34	1
HS23071134-03	WG-1620-MW46C-20230717	17 Jul 2023 14:40		24 Jul 2023 15:12	09 Aug 2023 21:18	10
HS23071134-03	WG-1620-MW46C-20230717	17 Jul 2023 14:40		24 Jul 2023 15:12	07 Aug 2023 21:57	1
HS23071134-04	WG-1620-MW25A-20230717	17 Jul 2023 15:35		24 Jul 2023 15:12	07 Aug 2023 22:20	1
HS23071134-05	WG-1620-MW25C-20230717	17 Jul 2023 16:40		24 Jul 2023 15:12	09 Aug 2023 22:00	100
HS23071134-05	WG-1620-MW25C-20230717	17 Jul 2023 16:40		24 Jul 2023 15:12	09 Aug 2023 21:39	10
HS23071134-05	WG-1620-MW25C-20230717	17 Jul 2023 16:40		24 Jul 2023 15:12	07 Aug 2023 22:43	1
HS23071134-06	WG-1620-MW44C-20230717	17 Jul 2023 17:45		24 Jul 2023 15:12	07 Aug 2023 23:06	1
HS23071134-07	WG-1620-MW87C-20230718	18 Jul 2023 07:35		24 Jul 2023 15:12	07 Aug 2023 23:29	1
HS23071134-08	WG-1620-MW28C-20230718	18 Jul 2023 08:25		24 Jul 2023 15:12	07 Aug 2023 23:52	1
Batch ID: 198033 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS23071134-09	WG-1620-MW28A-20230718	18 Jul 2023 09:10		25 Jul 2023 15:55	02 Aug 2023 14:43	1
HS23071134-10	WG-1620-MW91A-20230718	18 Jul 2023 10:00		25 Jul 2023 15:55	02 Aug 2023 15:06	1
HS23071134-11	WG-1620-FD03-20230718	18 Jul 2023 10:00		25 Jul 2023 15:55	02 Aug 2023 15:30	1
HS23071134-12	WG-1620-MW89B-20230718	18 Jul 2023 12:00		25 Jul 2023 15:55	08 Aug 2023 14:26	1
HS23071134-13	WG-1620-MW93B-20230718	18 Jul 2023 12:50		25 Jul 2023 15:55	02 Aug 2023 16:17	1
HS23071134-14	WG-1620-MW-82B-20230718	18 Jul 2023 13:40		25 Jul 2023 15:55	02 Aug 2023 16:40	1
Batch ID: 198318 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** GW	
HS23071134-01	WG-1620-MW54C-20230717	17 Jul 2023 12:55		31 Jul 2023 12:00	31 Jul 2023 22:53	1
HS23071134-02	WG-1620-MW53C-20230717	17 Jul 2023 13:50		31 Jul 2023 12:00	31 Jul 2023 22:55	1
HS23071134-03	WG-1620-MW46C-20230717	17 Jul 2023 14:40		31 Jul 2023 12:00	31 Jul 2023 22:58	1
HS23071134-04	WG-1620-MW25A-20230717	17 Jul 2023 15:35		31 Jul 2023 12:00	31 Jul 2023 23:00	1
HS23071134-05	WG-1620-MW25C-20230717	17 Jul 2023 16:40		31 Jul 2023 12:00	31 Jul 2023 23:02	1
HS23071134-06	WG-1620-MW44C-20230717	17 Jul 2023 17:45		31 Jul 2023 12:00	31 Jul 2023 23:04	1
HS23071134-07	WG-1620-MW87C-20230718	18 Jul 2023 07:35		31 Jul 2023 12:00	31 Jul 2023 23:06	1
HS23071134-08	WG-1620-MW28C-20230718	18 Jul 2023 08:25		31 Jul 2023 12:00	31 Jul 2023 22:38	1
HS23071134-09	WG-1620-MW28A-20230718	18 Jul 2023 09:10		31 Jul 2023 12:00	31 Jul 2023 23:08	1
HS23071134-10	WG-1620-MW91A-20230718	18 Jul 2023 10:00		31 Jul 2023 12:00	31 Jul 2023 23:11	1
HS23071134-11	WG-1620-FD03-20230718	18 Jul 2023 10:00		31 Jul 2023 12:00	31 Jul 2023 23:13	1
HS23071134-12	WG-1620-MW89B-20230718	18 Jul 2023 12:00		31 Jul 2023 12:00	31 Jul 2023 23:19	1
HS23071134-13	WG-1620-MW93B-20230718	18 Jul 2023 12:50		31 Jul 2023 12:00	31 Jul 2023 23:22	1
HS23071134-14	WG-1620-MW-82B-20230718	18 Jul 2023 13:40		31 Jul 2023 12:00	31 Jul 2023 23:24	1
Batch ID: R442014 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS23071134-15	WG-1620-TB04-20230718	18 Jul 2023 00:00			21 Jul 2023 22:20	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071134

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R442014 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071134-01	WG-1620-MW54C-20230717	17 Jul 2023 12:55			21 Jul 2023 23:46	1
HS23071134-02	WG-1620-MW53C-20230717	17 Jul 2023 13:50			22 Jul 2023 00:08	1
HS23071134-03	WG-1620-MW46C-20230717	17 Jul 2023 14:40			22 Jul 2023 00:29	1
HS23071134-04	WG-1620-MW25A-20230717	17 Jul 2023 15:35			22 Jul 2023 00:50	1
HS23071134-05	WG-1620-MW25C-20230717	17 Jul 2023 16:40			22 Jul 2023 01:12	20
HS23071134-06	WG-1620-MW44C-20230717	17 Jul 2023 17:45			22 Jul 2023 01:33	1
HS23071134-07	WG-1620-MW87C-20230718	18 Jul 2023 07:35			22 Jul 2023 01:55	1
HS23071134-08	WG-1620-MW28C-20230718	18 Jul 2023 08:25			21 Jul 2023 22:42	1
HS23071134-09	WG-1620-MW28A-20230718	18 Jul 2023 09:10			22 Jul 2023 02:16	1
HS23071134-10	WG-1620-MW91A-20230718	18 Jul 2023 10:00			22 Jul 2023 02:38	1
HS23071134-11	WG-1620-FD03-20230718	18 Jul 2023 10:00			22 Jul 2023 02:59	1
HS23071134-12	WG-1620-MW89B-20230718	18 Jul 2023 12:00			22 Jul 2023 03:21	1
HS23071134-13	WG-1620-MW93B-20230718	18 Jul 2023 12:50			22 Jul 2023 03:42	1
HS23071134-14	WG-1620-MW-82B-20230718	18 Jul 2023 13:40			22 Jul 2023 04:04	1

WorkOrder: HS23071134
InstrumentID: ICPMS05
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00112	0.000400	0.00200

WorkOrder: HS23071134
InstrumentID: SV-10
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000082	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	0.000064	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000082	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000090	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000079	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00039	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000078	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.000070	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.000075	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.000073	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.000077	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.000080	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000098	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.000079	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000088	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.000071	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.000093	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.000079	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000086	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.000084	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.00011	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000028	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00010	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000098	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.000092	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: HS23071134
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	0.0010
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	Di-n-butyl phthalate	84-74-2	0.00010	0.000079	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.000037	0.000020	0.00010
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	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000069	0.000025	0.00020
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	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: HS23071134
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	2-Methylnaphthalene	91-57-6	0.000050	0.000039	0.000019	0.00010
A	Acenaphthene	83-32-9	0.000050	0.000043	0.000027	0.00010
A	Anthracene	120-12-7	0.000050	0.000045	0.000014	0.00010
A	Dibenzofuran	132-64-9	0.000050	0.000039	0.000020	0.00010
A	Fluoranthene	206-44-0	0.000050	0.000047	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000047	0.000030	0.00010
A	Naphthalene	91-20-3	0.000050	0.000048	0.000020	0.00010
A	Phenanthrene	85-01-8	0.000050	0.000048	0.000021	0.00010
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: HS23071134
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	0.00052	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00049	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00053	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00054	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00069	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00059	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0015	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071134

QC BATCH REPORT

Batch ID: 198318 (0) **Instrument: ICPMS05** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-198318** Units: **mg/L** Analysis Date: **31-Jul-2023 22:34**
Client ID: Run ID: **ICPMS05_442748** SeqNo: **7463170** PrepDate: **31-Jul-2023** 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-198318** Units: **mg/L** Analysis Date: **31-Jul-2023 22:36**
Client ID: Run ID: **ICPMS05_442748** SeqNo: **7463171** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04768	0.00200	0.05	0	95.4	80 - 120				

MS Sample ID: **HS23071134-08MS** Units: **mg/L** Analysis Date: **31-Jul-2023 22:42**
Client ID: **WG-1620-MW28C-20230718** Run ID: **ICPMS05_442748** SeqNo: **7463174** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05152	0.00200	0.05	0.001176	101	80 - 120				

MSD Sample ID: **HS23071134-08MSD** Units: **mg/L** Analysis Date: **31-Jul-2023 22:45**
Client ID: **WG-1620-MW28C-20230718** Run ID: **ICPMS05_442748** SeqNo: **7463175** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05119	0.00200	0.05	0.001176	100	80 - 120	0.05152	0.635	20	

PDS Sample ID: **HS23071134-08PDS** Units: **mg/L** Analysis Date: **31-Jul-2023 22:47**
Client ID: **WG-1620-MW28C-20230718** Run ID: **ICPMS05_442748** SeqNo: **7463176** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1046	0.00200	0.1	0.001176	103	75 - 125				

SD Sample ID: **HS23071134-08SD** Units: **mg/L** Analysis Date: **31-Jul-2023 22:40**
Client ID: **WG-1620-MW28C-20230718** Run ID: **ICPMS05_442748** SeqNo: **7463173** PrepDate: **31-Jul-2023** 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					0.001176	0	10	

The following samples were analyzed in this batch:

HS23071134-01	HS23071134-02	HS23071134-03	HS23071134-04
HS23071134-05	HS23071134-06	HS23071134-07	HS23071134-08
HS23071134-09	HS23071134-10	HS23071134-11	HS23071134-12
HS23071134-13	HS23071134-14		

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071134

QC BATCH REPORT

Batch ID: 197955 (1) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-197955** Units: **ug/L** Analysis Date: **07-Aug-2023 20:01**
Client ID: Run ID: **SV-10_443477** SeqNo: **7478938** PrepDate: **24-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*2.668*	*0.20*	*5*	*0*	*53.4*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.221*	*0.20*	*5*	*0*	*64.4*	*40 - 125*				
Surr: 2-Fluorophenol	*2.523*	*0.20*	*5*	*0*	*50.5*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.627*	*0.20*	*5*	*0*	*72.5*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.789*	*0.20*	*5*	*0*	*55.8*	*41 - 120*				
Surr: Phenol-d6	*2.831*	*0.20*	*5*	*0*	*56.6*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071134

QC BATCH REPORT

Batch ID: 197955 (1) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-197955** Units: **ug/L** Analysis Date: **07-Aug-2023 20:24**
Client ID: Run ID: **SV-10_443477** SeqNo: **7478939** PrepDate: **24-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.068	0.20	5	0	61.4	39 - 127				
2,4-Dimethylphenol	3.466	0.20	5	0	69.3	35 - 120				
2,4-Dinitrotoluene	3.657	0.20	5	0	73.1	50 - 122				
2,6-Dinitrotoluene	3.447	0.20	5	0	68.9	50 - 120				
2-Chloronaphthalene	3.75	0.20	5	0	75.0	50 - 120				
2-Methylnaphthalene	3.283	0.10	5	0	65.7	50 - 120				
4,6-Dinitro-2-methylphenol	3.576	1.0	5	0	71.5	25 - 121				
4-Nitrophenol	3.573	1.0	5	0	71.5	30 - 130				
Acenaphthene	3.305	0.10	5	0	66.1	45 - 120				
Acenaphthylene	3.357	0.10	5	0	67.1	47 - 120				
Anthracene	3.409	0.10	5	0	68.2	45 - 120				
Benz(a)anthracene	3.416	0.10	5	0	68.3	40 - 120				
Benzo(a)pyrene	3.729	0.10	5	0	74.6	45 - 120				
Bis(2-chloroethoxy)methane	3.351	0.20	5	0	67.0	45 - 120				
Bis(2-ethylhexyl)phthalate	3.372	0.20	5	0	67.4	40 - 139				
Chrysene	3.413	0.10	5	0	68.3	43 - 120				
Dibenzofuran	3.428	0.10	5	0	68.6	50 - 120				
Di-n-butyl phthalate	3.488	0.20	5	0	69.8	45 - 123				
Fluoranthene	3.46	0.10	5	0	69.2	45 - 125				
Fluorene	3.422	0.10	5	0	68.4	49 - 120				
Naphthalene	3.241	0.10	5	0	64.8	45 - 120				
Nitrobenzene	3.22	0.20	5	0	64.4	44 - 120				
N-Nitrosodiphenylamine	3.366	0.20	5	0	67.3	40 - 125				
Pentachlorophenol	3.035	0.20	5	0	60.7	19 - 121				
Phenanthrene	3.371	0.10	5	0	67.4	45 - 121				
Phenol	3.583	0.20	5	0	71.7	20 - 124				
Pyrene	3.232	0.10	5	0	64.6	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.085*	*0.20*	*5*	*0*	*61.7*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.186*	*0.20*	*5*	*0*	*63.7*	*40 - 125*				
Surr: 2-Fluorophenol	*2.545*	*0.20*	*5*	*0*	*50.9*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.313*	*0.20*	*5*	*0*	*66.3*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.887*	*0.20*	*5*	*0*	*57.7*	*41 - 120*				
Surr: Phenol-d6	*2.856*	*0.20*	*5*	*0*	*57.1*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071134

QC BATCH REPORT

Batch ID: 197955 (1) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-197955** Units: **ug/L** Analysis Date: **07-Aug-2023 20:47**
Client ID: Run ID: **SV-10_443477** SeqNo: **7478940** PrepDate: **24-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.08	0.20	5	0	61.6	39 - 127	3.068	0.408	20	
2,4-Dimethylphenol	3.158	0.20	5	0	63.2	35 - 120	3.466	9.3	20	
2,4-Dinitrotoluene	3.503	0.20	5	0	70.1	50 - 122	3.657	4.29	20	
2,6-Dinitrotoluene	3.469	0.20	5	0	69.4	50 - 120	3.447	0.614	20	
2-Chloronaphthalene	3.738	0.20	5	0	74.8	50 - 120	3.75	0.32	20	
2-Methylnaphthalene	3.249	0.10	5	0	65.0	50 - 120	3.283	1.06	20	
4,6-Dinitro-2-methylphenol	3.466	1.0	5	0	69.3	25 - 121	3.576	3.12	30	
4-Nitrophenol	3.48	1.0	5	0	69.6	30 - 130	3.573	2.64	20	
Acenaphthene	3.314	0.10	5	0	66.3	45 - 120	3.305	0.263	20	
Acenaphthylene	3.381	0.10	5	0	67.6	47 - 120	3.357	0.714	20	
Anthracene	3.365	0.10	5	0	67.3	45 - 120	3.409	1.29	20	
Benz(a)anthracene	3.397	0.10	5	0	67.9	40 - 120	3.416	0.566	20	
Benzo(a)pyrene	3.662	0.10	5	0	73.2	45 - 120	3.729	1.84	20	
Bis(2-chloroethoxy)methane	3.333	0.20	5	0	66.7	45 - 120	3.351	0.542	20	
Bis(2-ethylhexyl)phthalate	3.363	0.20	5	0	67.3	40 - 139	3.372	0.274	20	
Chrysene	3.34	0.10	5	0	66.8	43 - 120	3.413	2.15	20	
Dibenzofuran	3.465	0.10	5	0	69.3	50 - 120	3.428	1.06	20	
Di-n-butyl phthalate	3.557	0.20	5	0	71.1	45 - 123	3.488	1.96	20	
Fluoranthene	3.406	0.10	5	0	68.1	45 - 125	3.46	1.56	20	
Fluorene	3.439	0.10	5	0	68.8	49 - 120	3.422	0.5	20	
Naphthalene	3.28	0.10	5	0	65.6	45 - 120	3.241	1.21	20	
Nitrobenzene	3.215	0.20	5	0	64.3	44 - 120	3.22	0.147	20	
N-Nitrosodiphenylamine	3.392	0.20	5	0	67.8	40 - 125	3.366	0.78	20	
Pentachlorophenol	2.864	0.20	5	0	57.3	19 - 121	3.035	5.77	20	
Phenanthrene	3.343	0.10	5	0	66.9	45 - 121	3.371	0.83	20	
Phenol	3.585	0.20	5	0	71.7	20 - 124	3.583	0.0372	20	
Pyrene	3.36	0.10	5	0	67.2	40 - 130	3.232	3.9	20	
Surr: 2,4,6-Tribromophenol	*2.828*	*0.20*	*5*	*0*	*56.6*	*34 - 129*	*3.085*	*8.68*	*20*	
Surr: 2-Fluorobiphenyl	*3.239*	*0.20*	*5*	*0*	*64.8*	*40 - 125*	*3.186*	*1.64*	*20*	
Surr: 2-Fluorophenol	*2.556*	*0.20*	*5*	*0*	*51.1*	*20 - 120*	*2.545*	*0.432*	*20*	
Surr: 4-Terphenyl-d14	*3.216*	*0.20*	*5*	*0*	*64.3*	*40 - 135*	*3.313*	*2.97*	*20*	
Surr: Nitrobenzene-d5	*2.888*	*0.20*	*5*	*0*	*57.8*	*41 - 120*	*2.887*	*0.0338*	*20*	
Surr: Phenol-d6	*2.798*	*0.20*	*5*	*0*	*56.0*	*20 - 120*	*2.856*	*2.04*	*20*	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071134

QC BATCH REPORT

Batch ID: 197955 (1) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS23071134-08MS** Units: **ug/L** Analysis Date: **08-Aug-2023 00:15**
Client ID: **WG-1620-MW28C-20230718** Run ID: **SV-10_443477** SeqNo: **7478949** PrepDate: **24-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	2.033	0.20	5	0	40.7	39 - 127				
2,4-Dimethylphenol	2.342	0.20	5	0	46.8	35 - 120				
2,4-Dinitrotoluene	2.517	0.20	5	0	50.3	50 - 122				
2,6-Dinitrotoluene	2.296	0.20	5	0	45.9	50 - 120				S
2-Chloronaphthalene	2.415	0.20	5	0	48.3	50 - 120				S
2-Methylnaphthalene	2.214	0.10	5	0	44.3	50 - 120				S
4,6-Dinitro-2-methylphenol	2.598	1.0	5	0	52.0	25 - 121				
4-Nitrophenol	2.912	1.0	5	0	58.2	30 - 130				
Acenaphthene	2.124	0.10	5	0	42.5	45 - 120				S
Acenaphthylene	2.144	0.10	5	0	42.9	47 - 120				S
Anthracene	2.464	0.10	5	0	49.3	45 - 120				
Benz(a)anthracene	2.938	0.10	5	0	58.8	40 - 120				
Benzo(a)pyrene	3.118	0.10	5	0	62.4	45 - 120				
Bis(2-chloroethoxy)methane	2.199	0.20	5	0	44.0	45 - 120				S
Bis(2-ethylhexyl)phthalate	2.874	0.20	5	0	57.5	40 - 139				
Chrysene	2.864	0.10	5	0	57.3	43 - 120				
Dibenzofuran	2.17	0.10	5	0	43.4	50 - 120				S
Di-n-butyl phthalate	2.943	0.20	5	0	58.9	45 - 123				
Fluoranthene	2.848	0.10	5	0	57.0	45 - 125				
Fluorene	2.192	0.10	5	0	43.8	49 - 120				S
Naphthalene	2.208	0.10	5	0	44.2	45 - 120				S
Nitrobenzene	2.179	0.20	5	0	43.6	44 - 120				S
N-Nitrosodiphenylamine	2.38	0.20	5	0	47.6	40 - 125				
Pentachlorophenol	2.775	0.20	5	0	55.5	19 - 121				
Phenanthrene	2.443	0.10	5	0	48.9	45 - 121				
Phenol	2.416	0.20	5	0	48.3	20 - 124				
Pyrene	2.83	0.10	5	0	56.6	40 - 130				
Surr: 2,4,6-Tribromophenol	*2.282*	*0.20*	*5*	*0*	*45.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*2.14*	*0.20*	*5*	*0*	*42.8*	*40 - 125*				
Surr: 2-Fluorophenol	*1.778*	*0.20*	*5*	*0*	*35.6*	*20 - 120*				
Surr: 4-Terphenyl-d14	*2.815*	*0.20*	*5*	*0*	*56.3*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.062*	*0.20*	*5*	*0*	*41.2*	*41 - 120*				
Surr: Phenol-d6	*1.978*	*0.20*	*5*	*0*	*39.6*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071134

QC BATCH REPORT

Batch ID: 197955 (1) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS23071134-08MSD** Units: **ug/L** Analysis Date: **09-Aug-2023 22:42**
Client ID: **WG-1620-MW28C-20230718** Run ID: **SV-7_443620** SeqNo: **7483185** PrepDate: **24-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	2.059	0.20	5	0	41.2	39 - 127	2.033	1.29	20	
2,4-Dimethylphenol	1.885	0.20	5	0	37.7	35 - 120	2.342	21.6	20	R
2,4-Dinitrotoluene	3.099	0.20	5	0	62.0	50 - 122	2.517	20.7	20	R
2,6-Dinitrotoluene	2.935	0.20	5	0	58.7	50 - 120	2.296	24.4	20	R
2-Chloronaphthalene	2.036	0.20	5	0	40.7	50 - 120	2.415	17	20	S
2-Methylnaphthalene	2.454	0.10	5	0	49.1	50 - 120	2.214	10.3	20	S
4,6-Dinitro-2-methylphenol	2.115	1.0	5	0	42.3	25 - 121	2.598	20.5	30	
4-Nitrophenol	1.803	1.0	5	0	36.1	30 - 130	2.912	47	20	R
Acenaphthene	2.452	0.10	5	0	49.0	45 - 120	2.124	14.4	20	
Acenaphthylene	2.39	0.10	5	0	47.8	47 - 120	2.144	10.9	20	
Anthracene	3.105	0.10	5	0	62.1	45 - 120	2.464	23	20	R
Benz(a)anthracene	2.764	0.10	5	0	55.3	40 - 120	2.938	6.1	20	
Benzo(a)pyrene	3.16	0.10	5	0	63.2	45 - 120	3.118	1.32	20	
Bis(2-chloroethoxy)methane	1.95	0.20	5	0	39.0	45 - 120	2.199	12	20	S
Bis(2-ethylhexyl)phthalate	3.249	0.20	5	0	65.0	40 - 139	2.874	12.3	20	
Chrysene	3.957	0.10	5	0	79.1	43 - 120	2.864	32	20	R
Dibenzofuran	2.545	0.10	5	0	50.9	50 - 120	2.17	15.9	20	
Di-n-butyl phthalate	3.329	0.20	5	0	66.6	45 - 123	2.943	12.3	20	
Fluoranthene	3.339	0.10	5	0	66.8	45 - 125	2.848	15.9	20	
Fluorene	2.566	0.10	5	0	51.3	49 - 120	2.192	15.7	20	
Naphthalene	2.478	0.10	5	0	49.6	45 - 120	2.208	11.5	20	
Nitrobenzene	2.493	0.20	5	0	49.9	44 - 120	2.179	13.4	20	
N-Nitrosodiphenylamine	2.557	0.20	5	0	51.1	40 - 125	2.38	7.17	20	
Pentachlorophenol	2.761	0.20	5	0	55.2	19 - 121	2.775	0.496	20	
Phenanthrene	2.658	0.10	5	0	53.2	45 - 121	2.443	8.41	20	
Phenol	2.092	0.20	5	0	41.8	20 - 124	2.416	14.4	20	
Pyrene	3.289	0.10	5	0	65.8	40 - 130	2.83	15	20	
Surr: 2,4,6-Tribromophenol	*3.391*	*0.20*	*5*	*0*	*67.8*	*34 - 129*	*2.282*	*39.1*	*20*	R
Surr: 2-Fluorobiphenyl	*2.453*	*0.20*	*5*	*0*	*49.1*	*40 - 125*	*2.14*	*13.6*	*20*	
Surr: 2-Fluorophenol	*1.551*	*0.20*	*5*	*0*	*31.0*	*20 - 120*	*1.778*	*13.6*	*20*	
Surr: 4-Terphenyl-d14	*3.57*	*0.20*	*5*	*0*	*71.4*	*40 - 135*	*2.815*	*23.6*	*20*	R
Surr: Nitrobenzene-d5	*2.146*	*0.20*	*5*	*0*	*42.9*	*41 - 120*	*2.062*	*3.99*	*20*	
Surr: Phenol-d6	*1.84*	*0.20*	*5*	*0*	*36.8*	*20 - 120*	*1.978*	*7.24*	*20*	

The following samples were analyzed in this batch: HS23071134-01 HS23071134-02 HS23071134-03 HS23071134-04 HS23071134-05 HS23071134-06 HS23071134-07 HS23071134-08

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071134

QC BATCH REPORT

Batch ID: 198033 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-198033** Units: **ug/L** Analysis Date: **02-Aug-2023 13:33**
Client ID: Run ID: **SV-8_443407** SeqNo: **7477725** PrepDate: **25-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.3*	*0.20*	*5*	*0*	*66.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.807*	*0.20*	*5*	*0*	*76.1*	*40 - 125*				
Surr: 2-Fluorophenol	*3.086*	*0.20*	*5*	*0*	*61.7*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.156*	*0.20*	*5*	*0*	*83.1*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.117*	*0.20*	*5*	*0*	*62.3*	*41 - 120*				
Surr: Phenol-d6	*3.284*	*0.20*	*5*	*0*	*65.7*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071134

QC BATCH REPORT

Batch ID: 198033 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-198033** Units: **ug/L** Analysis Date: **02-Aug-2023 13:56**
Client ID: Run ID: **SV-8_443407** SeqNo: **7477726** PrepDate: **25-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.65	0.20	5	0	73.0	39 - 127				
2,4-Dimethylphenol	3.58	0.20	5	0	71.6	35 - 120				
2,4-Dinitrotoluene	4.117	0.20	5	0	82.3	50 - 122				
2,6-Dinitrotoluene	3.881	0.20	5	0	77.6	50 - 120				
2-Chloronaphthalene	4.219	0.20	5	0	84.4	50 - 120				
2-Methylnaphthalene	3.714	0.10	5	0	74.3	50 - 120				
4,6-Dinitro-2-methylphenol	4.328	1.0	5	0	86.6	25 - 121				
4-Nitrophenol	4.312	1.0	5	0	86.2	30 - 130				
Acenaphthene	3.478	0.10	5	0	69.6	45 - 120				
Acenaphthylene	3.685	0.10	5	0	73.7	47 - 120				
Anthracene	3.828	0.10	5	0	76.6	45 - 120				
Benz(a)anthracene	4.021	0.10	5	0	80.4	40 - 120				
Benzo(a)pyrene	4.297	0.10	5	0	85.9	45 - 120				
Bis(2-chloroethoxy)methane	3.398	0.20	5	0	68.0	45 - 120				
Bis(2-ethylhexyl)phthalate	3.745	0.20	5	0	74.9	40 - 139				
Chrysene	3.934	0.10	5	0	78.7	43 - 120				
Dibenzofuran	3.833	0.10	5	0	76.7	50 - 120				
Di-n-butyl phthalate	3.837	0.20	5	0	76.7	45 - 123				
Fluoranthene	4.077	0.10	5	0	81.5	45 - 125				
Fluorene	3.888	0.10	5	0	77.8	49 - 120				
Naphthalene	3.594	0.10	5	0	71.9	45 - 120				
Nitrobenzene	3.226	0.20	5	0	64.5	44 - 120				
N-Nitrosodiphenylamine	3.748	0.20	5	0	75.0	40 - 125				
Pentachlorophenol	3.954	0.20	5	0	79.1	19 - 121				
Phenanthrene	3.651	0.10	5	0	73.0	45 - 121				
Phenol	3.402	0.20	5	0	68.0	20 - 124				
Pyrene	3.803	0.10	5	0	76.1	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.799*	*0.20*	*5*	*0*	*76.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.767*	*0.20*	*5*	*0*	*75.3*	*40 - 125*				
Surr: 2-Fluorophenol	*2.988*	*0.20*	*5*	*0*	*59.8*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.891*	*0.20*	*5*	*0*	*77.8*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.032*	*0.20*	*5*	*0*	*60.6*	*41 - 120*				
Surr: Phenol-d6	*3.147*	*0.20*	*5*	*0*	*62.9*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071134

QC BATCH REPORT

Batch ID: 198033 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-198033** Units: **ug/L** Analysis Date: **02-Aug-2023 14:20**
Client ID: Run ID: **SV-8_443407** SeqNo: **7477727** PrepDate: **25-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.64	0.20	5	0	72.8	39 - 127	3.65	0.284	20	
2,4-Dimethylphenol	3.587	0.20	5	0	71.7	35 - 120	3.58	0.192	20	
2,4-Dinitrotoluene	4.041	0.20	5	0	80.8	50 - 122	4.117	1.85	20	
2,6-Dinitrotoluene	3.883	0.20	5	0	77.7	50 - 120	3.881	0.0571	20	
2-Chloronaphthalene	4.032	0.20	5	0	80.6	50 - 120	4.219	4.52	20	
2-Methylnaphthalene	3.798	0.10	5	0	76.0	50 - 120	3.714	2.23	20	
4,6-Dinitro-2-methylphenol	4.442	1.0	5	0	88.8	25 - 121	4.328	2.6	30	
4-Nitrophenol	4.124	1.0	5	0	82.5	30 - 130	4.312	4.45	20	
Acenaphthene	3.454	0.10	5	0	69.1	45 - 120	3.478	0.704	20	
Acenaphthylene	3.652	0.10	5	0	73.0	47 - 120	3.685	0.915	20	
Anthracene	3.839	0.10	5	0	76.8	45 - 120	3.828	0.294	20	
Benz(a)anthracene	3.883	0.10	5	0	77.7	40 - 120	4.021	3.49	20	
Benzo(a)pyrene	4.188	0.10	5	0	83.8	45 - 120	4.297	2.57	20	
Bis(2-chloroethoxy)methane	3.431	0.20	5	0	68.6	45 - 120	3.398	0.979	20	
Bis(2-ethylhexyl)phthalate	3.632	0.20	5	0	72.6	40 - 139	3.745	3.06	20	
Chrysene	3.89	0.10	5	0	77.8	43 - 120	3.934	1.12	20	
Dibenzofuran	3.734	0.10	5	0	74.7	50 - 120	3.833	2.62	20	
Di-n-butyl phthalate	3.827	0.20	5	0	76.5	45 - 123	3.837	0.264	20	
Fluoranthene	4.033	0.10	5	0	80.7	45 - 125	4.077	1.08	20	
Fluorene	3.823	0.10	5	0	76.5	49 - 120	3.888	1.69	20	
Naphthalene	3.634	0.10	5	0	72.7	45 - 120	3.594	1.09	20	
Nitrobenzene	3.319	0.20	5	0	66.4	44 - 120	3.226	2.83	20	
N-Nitrosodiphenylamine	3.752	0.20	5	0	75.0	40 - 125	3.748	0.106	20	
Pentachlorophenol	4.003	0.20	5	0	80.1	19 - 121	3.954	1.23	20	
Phenanthrene	3.819	0.10	5	0	76.4	45 - 121	3.651	4.51	20	
Phenol	3.38	0.20	5	0	67.6	20 - 124	3.402	0.657	20	
Pyrene	3.657	0.10	5	0	73.1	40 - 130	3.803	3.93	20	
Surr: 2,4,6-Tribromophenol	*3.738*	*0.20*	*5*	*0*	*74.8*	*34 - 129*	*3.799*	*1.61*	*20*	
Surr: 2-Fluorobiphenyl	*3.711*	*0.20*	*5*	*0*	*74.2*	*40 - 125*	*3.767*	*1.51*	*20*	
Surr: 2-Fluorophenol	*2.907*	*0.20*	*5*	*0*	*58.1*	*20 - 120*	*2.988*	*2.75*	*20*	
Surr: 4-Terphenyl-d14	*3.828*	*0.20*	*5*	*0*	*76.6*	*40 - 135*	*3.891*	*1.62*	*20*	
Surr: Nitrobenzene-d5	*3.445*	*0.20*	*5*	*0*	*68.9*	*41 - 120*	*3.032*	*12.7*	*20*	
Surr: Phenol-d6	*3.085*	*0.20*	*5*	*0*	*61.7*	*20 - 120*	*3.147*	*2*	*20*	

The following samples were analyzed in this batch: HS23071134-09 HS23071134-10 HS23071134-11 HS23071134-12 HS23071134-13 HS23071134-14

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071134

QC BATCH REPORT

Batch ID: R442014 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230721** Units: **ug/L** Analysis Date: **21-Jul-2023 21:37**
Client ID: Run ID: **VOA7_442014** SeqNo: **7443999** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*47.74*	*1.0*	*50*	*0*	*95.5*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.34*	*1.0*	*50*	*0*	*96.7*	*77 - 113*				
Surr: Dibromofluoromethane	*49.17*	*1.0*	*50*	*0*	*98.3*	*73 - 126*				
Surr: Toluene-d8	*50.27*	*1.0*	*50*	*0*	*101*	*81 - 120*				

LCS Sample ID: **VLCSW-230721** Units: **ug/L** Analysis Date: **21-Jul-2023 20:55**
Client ID: Run ID: **VOA7_442014** SeqNo: **7443998** 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 - 124				
Benzene	19.37	1.0	20	0	96.8	74 - 120				
Chlorobenzene	19.54	1.0	20	0	97.7	76 - 113				
Ethylbenzene	19.92	1.0	20	0	99.6	77 - 117				
Methylene chloride	19.02	2.0	20	0	95.1	70 - 127				
Toluene	19.16	1.0	20	0	95.8	77 - 118				
Xylenes, Total	59.5	3.0	60	0	99.2	75 - 122				
Surr: 1,2-Dichloroethane-d4	*48.26*	*1.0*	*50*	*0*	*96.5*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.97*	*1.0*	*50*	*0*	*97.9*	*77 - 113*				
Surr: Dibromofluoromethane	*50.18*	*1.0*	*50*	*0*	*100*	*73 - 126*				
Surr: Toluene-d8	*49.68*	*1.0*	*50*	*0*	*99.4*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071134

QC BATCH REPORT

Batch ID: R442014 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23071134-08MS** Units: **ug/L** Analysis Date: **21-Jul-2023 23:03**
Client ID: **WG-1620-MW28C-20230718** Run ID: **VOA7_442014** SeqNo: **7444003** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.13	1.0	20	0	85.6	70 - 127				
Benzene	18.91	1.0	20	0	94.6	70 - 127				
Chlorobenzene	18.99	1.0	20	0	94.9	70 - 114				
Ethylbenzene	19.23	1.0	20	0	96.2	70 - 124				
Methylene chloride	17.31	2.0	20	0	86.5	70 - 128				
Toluene	18.84	1.0	20	0	94.2	70 - 123				
Xylenes, Total	57.42	3.0	60	0	95.7	70 - 130				
Surr: 1,2-Dichloroethane-d4	*48.7*	*1.0*	*50*	*0*	*97.4*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.93*	*1.0*	*50*	*0*	*99.9*	*77 - 113*				
Surr: Dibromofluoromethane	*49.68*	*1.0*	*50*	*0*	*99.4*	*77 - 123*				
Surr: Toluene-d8	*50.01*	*1.0*	*50*	*0*	*100*	*82 - 127*				

MSD Sample ID: **HS23071134-08MSD** Units: **ug/L** Analysis Date: **21-Jul-2023 23:25**
Client ID: **WG-1620-MW28C-20230718** Run ID: **VOA7_442014** SeqNo: **7444004** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	16.73	1.0	20	0	83.6	70 - 127	17.13	2.35	20	
Benzene	17.94	1.0	20	0	89.7	70 - 127	18.91	5.29	20	
Chlorobenzene	18.61	1.0	20	0	93.1	70 - 114	18.99	2	20	
Ethylbenzene	18.97	1.0	20	0	94.8	70 - 124	19.23	1.39	20	
Methylene chloride	16.84	2.0	20	0	84.2	70 - 128	17.31	2.7	20	
Toluene	18.07	1.0	20	0	90.3	70 - 123	18.84	4.19	20	
Xylenes, Total	56.46	3.0	60	0	94.1	70 - 130	57.42	1.68	20	
Surr: 1,2-Dichloroethane-d4	*49.22*	*1.0*	*50*	*0*	*98.4*	*70 - 126*	*48.7*	*1.07*	*20*	
Surr: 4-Bromofluorobenzene	*49.86*	*1.0*	*50*	*0*	*99.7*	*77 - 113*	*49.93*	*0.122*	*20*	
Surr: Dibromofluoromethane	*49.53*	*1.0*	*50*	*0*	*99.1*	*77 - 123*	*49.68*	*0.291*	*20*	
Surr: Toluene-d8	*50.81*	*1.0*	*50*	*0*	*102*	*82 - 127*	*50.01*	*1.58*	*20*	

The following samples were analyzed in this batch:

HS23071134-01	HS23071134-02	HS23071134-03	HS23071134-04
HS23071134-05	HS23071134-06	HS23071134-07	HS23071134-08
HS23071134-09	HS23071134-10	HS23071134-11	HS23071134-12
HS23071134-13	HS23071134-14	HS23071134-15	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: **HS23071134**

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	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23071134 **Date/Time Received:** **19-Jul-2023 11:15**

Client Name: PBW **Received by:** **Patrick Salome**

Completed By:	/S/ Nilesh D. Ranchod	21-Jul-2023 10:16	**Reviewed by:**		
	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 ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:295421/295420
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):	1.8C/1.7C,1.6C/1.5C,0.7C/0.6C,1.4C/1.3C UC/C	ir31
Cooler(s)/Kit(s):	51328/51430/RED/Blue	
Date/Time sample(s) sent to storage:	07/18/2023 18:00	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

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
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South Charleston, WV +1 304 356 3168
York, PA +1 717 505 5280

Chain of Custody Form

Page 1 of 2

COC ID: 295421

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_W As)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	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	Michelle_Hermiston@golder.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G
1	WG-1620-MW54C-20230717	7-17-23	1255	GW		6	X	X	X				
2	WG-1620-MW53C-20230717		1350	GW		6	X	X	X				
3	WG-1620-MW46C-20230717		1440	GW		6	X	X	X				
4	WG-1620-MW25A-20230717		1535	GW		6	X	X	X				
5	WG-1620-MW25C-20230717		1640	GW		6	X	X	X				
6	WG-1620-MW44C-20230717		1745	GW		6	X	X	X				
7	WG-1620-MW87C-20230718	7-18-23	0735	GW		6	X	X	X				
8	WG-1620-MW28C-20230718		0825	GW		12	X	X	X		X		
9	WG-1620-MW28A-20230718		0910	GW		6	X	X	X				
10	WG-1620-MW91A-20230718		1000	GW		6	X	X	X				

HS2307134
Houston TX-Wood Preserving Works 1620-02
WSP Golder

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 3 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Relinquished by:	Date: 7-19-23	Time: 1115	Received by:	
Relinquished by:	Date:	Time:	Received by (Laboratory):	
Logged by (Laboratory):	Date: 7-19-23	Time: 1115	Checked by (Laboratory): Rituik	

Notes: Houston TX-Wood Preserving Works 1620-02

Cooler ID	Cooler Temp.
0.7uc	Red L
L. Blue	1.4uc
21328	1.8uc
51430	1.6uc

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

IR 31 -0.1C

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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South Charleston, WV +1 304 356 3168
York, PA +1 717 505 5280

Chain of Custody Form

COC ID: 295420

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@golder.com	e-Mail Address		J	

HS23071134
WSP Golder
Houston TX-Wood Preserving Works 1620-02

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G
1	WG-1620-FD03-20230718	7-18-23	1000	GW		6	X	X	X				
2	WG-1620-MW89B-20230718	↓	1200	GW		6	X	X	X				
3	WG-1620-MW93B-20230718		1250	GW		6	X	X	X				
4	WG-1620-MW82B-20230718		1340	GW		6	X	X	X				
5	WG-1620-TB04-20230718					2	X						
6													
7													
8													
9													
10													

Sampler(s) Please Print & Sign: JOHN BRAYDEN

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:	Time:	Received by:
	7/19/23	1115	
	Date:	Time:	Received by (Laboratory):
		Time:	Checked by (Laboratory): Kitrick

Notes: Houston TX-Wood Preserving Works 1620-02

Cooler ID	Cooler Temp.
Red L.	0.7 vc
L. Blue	1.4 vc
61329	1.8 vc
51450	1.6 vc

IR 31 -0.1C

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-$Na_2S_2O_3$ $NaHSO_4$ 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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August 11, 2023

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS23071175**

Laboratory Results for: **Houston TX-Wood Preserving Works 1620-02**

Dear Eric Matzner,

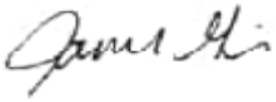
ALS Environmental received 17 sample(s) on Jul 18, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,



Generated By: DAYNA.FISHER
James Guin

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works 1620-02	
WorkOrder:	**HS23071175**	

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.

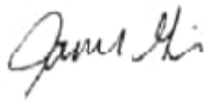
R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

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 1620-02	
WorkOrder:	**HS23071175**	

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.



James Guin

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/11/2023					
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071175					
Reviewer Name: James Guin			Prep Batch Number(s): 197895, 198234, 198235, R442014, R442040, R442056					
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				1
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		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: 08/11/2023				
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071175				
Reviewer Name: James Guin			Prep Batch Number(s): 197895, 198234, 198235, R442014, R442040, R442056				
#[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: 08/11/2023
Project Name: Houston TX-Wood Preserving Works 1620-02		Laboratory Job Number: HS23071175
Reviewer Name: James Guin		Prep Batch Number(s): 197895, 198234, 198235, R442014, R442040, R442056
ER#[5]	**Description**	
1	Samples HS23071175-01 through 05 holding time was expired due to laboratory error from login. The 8270 analyses were removed for these samples per client request and resampling will occur on a separate work order.	

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 1620-02
Work Order: HS23071175

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23071175-01	WG-1620-MW27A-20230713	GW		13-Jul-2023 13:55	18-Jul-2023 10:45	☐
HS23071175-02	WG-1620-MW27C-20230713	GW		13-Jul-2023 14:45	18-Jul-2023 10:45	☐
HS23071175-03	WG-1620-MW61B-20230713	GW		13-Jul-2023 15:50	18-Jul-2023 10:45	☐
HS23071175-04	WG-1620-MW61A-20230713	GW		13-Jul-2023 16:45	18-Jul-2023 10:45	☐
HS23071175-05	WG-1620-MW59A-20230713	GW		13-Jul-2023 17:45	18-Jul-2023 10:45	☐
HS23071175-06	WG-1620-MW59B-20230714	GW		14-Jul-2023 09:25	18-Jul-2023 10:45	☐
HS23071175-07	WG-1620-MW59D-20230714	GW		14-Jul-2023 10:40	18-Jul-2023 10:45	☐
HS23071175-08	WG-1620-FD02-20230714	GW		14-Jul-2023 10:40	18-Jul-2023 10:45	☐
HS23071175-09	WG-1620-MW66D-20230714	GW		14-Jul-2023 11:35	18-Jul-2023 10:45	☐
HS23071175-10	WG-1620-MW65D-20230714	GW		14-Jul-2023 12:50	18-Jul-2023 10:45	☐
HS23071175-11	WG-1620-MW36D-20230714	GW		14-Jul-2023 14:00	18-Jul-2023 10:45	☐
HS23071175-12	WG-1620-MW47C-20230717	GW		17-Jul-2023 07:45	18-Jul-2023 10:45	☐
HS23071175-13	WG-1620-MW60AR-20230717	GW		17-Jul-2023 08:40	18-Jul-2023 10:45	☐
HS23071175-14	WG-1620-MW60B-20230717	GW		17-Jul-2023 09:25	18-Jul-2023 10:45	☐
HS23071175-15	WG-1620-MW47A-20230717	GW		17-Jul-2023 10:20	18-Jul-2023 10:45	☐
HS23071175-16	WG-1620-MW69A-20230717	GW		17-Jul-2023 11:15	18-Jul-2023 10:45	☐
HS23071175-17	WG-1620-FB07-20230717	Water		17-Jul-2023 11:40	18-Jul-2023 10:45	☐

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW27A-20230713 Lab ID:HS23071175-01
Collection Date: 13-Jul-2023 13:55 Matrix:GW

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-2023 04:25
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 04:25
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 04:25
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 04:25
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 04:25
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 04:25
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 04:25
Surr: 1,2-Dichloroethane-d4	*95.1*			*70-126*	*%REC*	*1*	*22-Jul-2023 04:25*
Surr: 4-Bromofluorobenzene	*96.0*			*77-113*	*%REC*	*1*	*22-Jul-2023 04:25*
Surr: Dibromofluoromethane	*99.4*			*77-123*	*%REC*	*1*	*22-Jul-2023 04:25*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*22-Jul-2023 04:25*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.000630**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 20:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW27C-20230713 Lab ID:HS23071175-02
Collection Date: 13-Jul-2023 14:45 Matrix:GW

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-2023 04:47
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 04:47
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 04:47
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 04:47
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 04:47
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 04:47
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 04:47
Surr: 1,2-Dichloroethane-d4	*95.8*			*70-126*	*%REC*	*1*	*22-Jul-2023 04:47*
Surr: 4-Bromofluorobenzene	*97.3*			*77-113*	*%REC*	*1*	*22-Jul-2023 04:47*
Surr: Dibromofluoromethane	*97.2*			*77-123*	*%REC*	*1*	*22-Jul-2023 04:47*
Surr: Toluene-d8	*99.6*			*82-127*	*%REC*	*1*	*22-Jul-2023 04:47*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.000638**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 21:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW61B-20230713 Lab ID:HS23071175-03
Collection Date: 13-Jul-2023 15:50 Matrix:GW

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-2023 12:00
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 12:00
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 12:00
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 12:00
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 12:00
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 12:00
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 12:00
Surr: 1,2-Dichloroethane-d4	*91.7*			*70-126*	*%REC*	*1*	*22-Jul-2023 12:00*
Surr: 4-Bromofluorobenzene	*94.2*			*77-113*	*%REC*	*1*	*22-Jul-2023 12:00*
Surr: Dibromofluoromethane	*97.9*			*77-123*	*%REC*	*1*	*22-Jul-2023 12:00*
Surr: Toluene-d8	*99.0*			*82-127*	*%REC*	*1*	*22-Jul-2023 12:00*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.000753**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 21:58

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW61A-20230713 Lab ID:HS23071175-04
Collection Date: 13-Jul-2023 16:45 Matrix:GW

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-2023 14:28
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 14:28
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 14:28
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 14:28
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 14:28
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 14:28
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 14:28
Surr: 1,2-Dichloroethane-d4	*86.1*			*70-126*	*%REC*	*1*	*22-Jul-2023 14:28*
Surr: 4-Bromofluorobenzene	*92.4*			*77-113*	*%REC*	*1*	*22-Jul-2023 14:28*
Surr: Dibromofluoromethane	*96.8*			*77-123*	*%REC*	*1*	*22-Jul-2023 14:28*
Surr: Toluene-d8	*97.4*			*82-127*	*%REC*	*1*	*22-Jul-2023 14:28*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.000511**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 21:03

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW59A-20230713 Lab ID:HS23071175-05
Collection Date: 13-Jul-2023 17:45 Matrix:GW

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-2023 14:49
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 14:49
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 14:49
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 14:49
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 14:49
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 14:49
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 14:49
Surr: 1,2-Dichloroethane-d4	*84.9*			*70-126*	*%REC*	*1*	*22-Jul-2023 14:49*
Surr: 4-Bromofluorobenzene	*89.2*			*77-113*	*%REC*	*1*	*22-Jul-2023 14:49*
Surr: Dibromofluoromethane	*94.8*			*77-123*	*%REC*	*1*	*22-Jul-2023 14:49*
Surr: Toluene-d8	*95.3*			*82-127*	*%REC*	*1*	*22-Jul-2023 14:49*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.000796**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 21:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW59B-20230714 Lab ID:HS23071175-06
Collection Date: 14-Jul-2023 09:25 Matrix:GW

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-2023 15:10
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 15:10
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 15:10
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 15:10
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 15:10
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 15:10
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 15:10
Surr: 1,2-Dichloroethane-d4	*87.4*			*70-126*	*%REC*	*1*	*22-Jul-2023 15:10*
Surr: 4-Bromofluorobenzene	*90.5*			*77-113*	*%REC*	*1*	*22-Jul-2023 15:10*
Surr: Dibromofluoromethane	*97.7*			*77-123*	*%REC*	*1*	*22-Jul-2023 15:10*
Surr: Toluene-d8	*97.0*			*82-127*	*%REC*	*1*	*22-Jul-2023 15:10*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW59B-20230714
Collection Date: 14-Jul-2023 09:25

ANALYTICAL REPORT
WorkOrder:HS23071175
Lab ID:HS23071175-06
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 21-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 19:25
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 19:25
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 19:25
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 19:25
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 19:25
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 19:25
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 19:25
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 19:25
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 19:25
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 19:25
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 19:25
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 19:25
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 19:25
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 19:25
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 19:25
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 19:25
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 19:25
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 19:25
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 19:25
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 19:25
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 19:25
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 19:25
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 19:25
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 19:25
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 19:25
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 19:25
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 19:25
Surr: 2,4,6-Tribromophenol	*39.0*			*34-129*	*%REC*	*1*	*02-Aug-2023 19:25*
Surr: 2-Fluorobiphenyl	*53.9*			*40-125*	*%REC*	*1*	*02-Aug-2023 19:25*
Surr: 2-Fluorophenol	*40.7*			*20-120*	*%REC*	*1*	*02-Aug-2023 19:25*
Surr: 4-Terphenyl-d14	*73.1*			*40-135*	*%REC*	*1*	*02-Aug-2023 19:25*
Surr: Nitrobenzene-d5	*42.7*			*41-120*	*%REC*	*1*	*02-Aug-2023 19:25*
Surr: Phenol-d6	*44.2*			*20-120*	*%REC*	*1*	*02-Aug-2023 19:25*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.00106**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 21:07

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW59D-20230714 Lab ID:HS23071175-07
Collection Date: 14-Jul-2023 10:40 Matrix:GW

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-2023 15:31
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 15:31
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 15:31
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 15:31
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 15:31
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 15:31
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 15:31
Surr: 1,2-Dichloroethane-d4	*86.5*			*70-126*	*%REC*	*1*	*22-Jul-2023 15:31*
Surr: 4-Bromofluorobenzene	*89.3*			*77-113*	*%REC*	*1*	*22-Jul-2023 15:31*
Surr: Dibromofluoromethane	*97.6*			*77-123*	*%REC*	*1*	*22-Jul-2023 15:31*
Surr: Toluene-d8	*98.4*			*82-127*	*%REC*	*1*	*22-Jul-2023 15:31*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW59D-20230714 Lab ID:HS23071175-07
Collection Date: 14-Jul-2023 10:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 19:49
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 19:49
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 19:49
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 19:49
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 19:49
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 19:49
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 19:49
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 19:49
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 19:49
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 19:49
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 19:49
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 19:49
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 19:49
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 19:49
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 19:49
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 19:49
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 19:49
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 19:49
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 19:49
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 19:49
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 19:49
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 19:49
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 19:49
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 19:49
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 19:49
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 19:49
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 19:49
Surr: 2,4,6-Tribromophenol	*39.8*			*34-129*	*%REC*	*1*	*02-Aug-2023 19:49*
Surr: 2-Fluorobiphenyl	*56.4*			*40-125*	*%REC*	*1*	*02-Aug-2023 19:49*
Surr: 2-Fluorophenol	*42.6*			*20-120*	*%REC*	*1*	*02-Aug-2023 19:49*
Surr: 4-Terphenyl-d14	*77.7*			*40-135*	*%REC*	*1*	*02-Aug-2023 19:49*
Surr: Nitrobenzene-d5	*44.4*			*41-120*	*%REC*	*1*	*02-Aug-2023 19:49*
Surr: Phenol-d6	*45.0*			*20-120*	*%REC*	*1*	*02-Aug-2023 19:49*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.000961**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 21:09

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-FD02-20230714 Lab ID:HS23071175-08
Collection Date: 14-Jul-2023 10:40 Matrix:GW

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-2023 15:52
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 15:52
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 15:52
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 15:52
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 15:52
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 15:52
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 15:52
Surr: 1,2-Dichloroethane-d4	*85.0*			*70-126*	*%REC*	*1*	*22-Jul-2023 15:52*
Surr: 4-Bromofluorobenzene	*89.0*			*77-113*	*%REC*	*1*	*22-Jul-2023 15:52*
Surr: Dibromofluoromethane	*96.8*			*77-123*	*%REC*	*1*	*22-Jul-2023 15:52*
Surr: Toluene-d8	*97.5*			*82-127*	*%REC*	*1*	*22-Jul-2023 15:52*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-FD02-20230714 Lab ID:HS23071175-08
Collection Date: 14-Jul-2023 10:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 20:12
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 20:12
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 20:12
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 20:12
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 20:12
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 20:12
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 20:12
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 20:12
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 20:12
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 20:12
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 20:12
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 20:12
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 20:12
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 20:12
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 20:12
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 20:12
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 20:12
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 20:12
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 20:12
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 20:12
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 20:12
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 20:12
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 20:12
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 20:12
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 20:12
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 20:12
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 20:12
Surr: 2,4,6-Tribromophenol	*39.9*			*34-129*	*%REC*	*1*	*02-Aug-2023 20:12*
Surr: 2-Fluorobiphenyl	*58.0*			*40-125*	*%REC*	*1*	*02-Aug-2023 20:12*
Surr: 2-Fluorophenol	*42.8*			*20-120*	*%REC*	*1*	*02-Aug-2023 20:12*
Surr: 4-Terphenyl-d14	*78.7*			*40-135*	*%REC*	*1*	*02-Aug-2023 20:12*
Surr: Nitrobenzene-d5	*44.0*			*41-120*	*%REC*	*1*	*02-Aug-2023 20:12*
Surr: Phenol-d6	*46.0*			*20-120*	*%REC*	*1*	*02-Aug-2023 20:12*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.00105**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 21:11

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW66D-20230714 Lab ID:HS23071175-09
Collection Date: 14-Jul-2023 11:35 Matrix:GW

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-2023 16:13
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 16:13
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 16:13
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 16:13
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 16:13
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 16:13
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 16:13
Surr: 1,2-Dichloroethane-d4	*88.4*			*70-126*	*%REC*	*1*	*22-Jul-2023 16:13*
Surr: 4-Bromofluorobenzene	*88.5*			*77-113*	*%REC*	*1*	*22-Jul-2023 16:13*
Surr: Dibromofluoromethane	*99.5*			*77-123*	*%REC*	*1*	*22-Jul-2023 16:13*
Surr: Toluene-d8	*97.2*			*82-127*	*%REC*	*1*	*22-Jul-2023 16:13*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW66D-20230714 Lab ID:HS23071175-09
Collection Date: 14-Jul-2023 11:35 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 20:36
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 20:36
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 20:36
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 20:36
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 20:36
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 20:36
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 20:36
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 20:36
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 20:36
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 20:36
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 20:36
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 20:36
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 20:36
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 20:36
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 20:36
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 20:36
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 20:36
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 20:36
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 20:36
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 20:36
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 20:36
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 20:36
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 20:36
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 20:36
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 20:36
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 20:36
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 20:36
Surr: 2,4,6-Tribromophenol	*39.2*			*34-129*	*%REC*	*1*	*02-Aug-2023 20:36*
Surr: 2-Fluorobiphenyl	*57.6*			*40-125*	*%REC*	*1*	*02-Aug-2023 20:36*
Surr: 2-Fluorophenol	*42.1*			*20-120*	*%REC*	*1*	*02-Aug-2023 20:36*
Surr: 4-Terphenyl-d14	*75.2*			*40-135*	*%REC*	*1*	*02-Aug-2023 20:36*
Surr: Nitrobenzene-d5	*42.9*			*41-120*	*%REC*	*1*	*02-Aug-2023 20:36*
Surr: Phenol-d6	*44.8*			*20-120*	*%REC*	*1*	*02-Aug-2023 20:36*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.00113**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 21:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW65D-20230714 Lab ID:HS23071175-10
Collection Date: 14-Jul-2023 12:50 Matrix:GW

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-2023 22:53
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 22:53
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 22:53
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 22:53
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 22:53
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 22:53
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 22:53
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*22-Jul-2023 22:53*
Surr: 4-Bromofluorobenzene	*91.6*			*77-113*	*%REC*	*1*	*22-Jul-2023 22:53*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*22-Jul-2023 22:53*
Surr: Toluene-d8	*99.6*			*82-127*	*%REC*	*1*	*22-Jul-2023 22:53*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW65D-20230714 Lab ID:HS23071175-10
Collection Date: 14-Jul-2023 12:50 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 21:00
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 21:00
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 21:00
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 21:00
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 21:00
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 21:00
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 21:00
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 21:00
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 21:00
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 21:00
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 21:00
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 21:00
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 21:00
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 21:00
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 21:00
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 21:00
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 21:00
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 21:00
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 21:00
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 21:00
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 21:00
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 21:00
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 21:00
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 21:00
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 21:00
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 21:00
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 21:00
Surr: 2,4,6-Tribromophenol	*37.7*			*34-129*	*%REC*	*1*	*02-Aug-2023 21:00*
Surr: 2-Fluorobiphenyl	*56.4*			*40-125*	*%REC*	*1*	*02-Aug-2023 21:00*
Surr: 2-Fluorophenol	*40.5*			*20-120*	*%REC*	*1*	*02-Aug-2023 21:00*
Surr: 4-Terphenyl-d14	*70.9*			*40-135*	*%REC*	*1*	*02-Aug-2023 21:00*
Surr: Nitrobenzene-d5	*43.2*			*41-120*	*%REC*	*1*	*02-Aug-2023 21:00*
Surr: Phenol-d6	*43.0*			*20-120*	*%REC*	*1*	*02-Aug-2023 21:00*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.00105**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 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 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW36D-20230714 Lab ID:HS23071175-11
Collection Date: 14-Jul-2023 14:00 Matrix:GW

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-2023 16:34
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 16:34
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 16:34
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 16:34
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 16:34
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 16:34
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 16:34
Surr: 1,2-Dichloroethane-d4	*91.5*			*70-126*	*%REC*	*1*	*22-Jul-2023 16:34*
Surr: 4-Bromofluorobenzene	*89.7*			*77-113*	*%REC*	*1*	*22-Jul-2023 16:34*
Surr: Dibromofluoromethane	*98.9*			*77-123*	*%REC*	*1*	*22-Jul-2023 16:34*
Surr: Toluene-d8	*98.4*			*82-127*	*%REC*	*1*	*22-Jul-2023 16:34*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW36D-20230714
Collection Date: 14-Jul-2023 14:00

ANALYTICAL REPORT
WorkOrder:HS23071175
Lab ID:HS23071175-11
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 21:23
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 21:23
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 21:23
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 21:23
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 21:23
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 21:23
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 21:23
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 21:23
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 21:23
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 21:23
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 21:23
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 21:23
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 21:23
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 21:23
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 21:23
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 21:23
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 21:23
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 21:23
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 21:23
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 21:23
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 21:23
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 21:23
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 21:23
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 21:23
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 21:23
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 21:23
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 21:23
Surr: 2,4,6-Tribromophenol	*36.7*			*34-129*	*%REC*	*1*	*02-Aug-2023 21:23*
Surr: 2-Fluorobiphenyl	*51.1*			*40-125*	*%REC*	*1*	*02-Aug-2023 21:23*
Surr: 2-Fluorophenol	*32.9*			*20-120*	*%REC*	*1*	*02-Aug-2023 21:23*
Surr: 4-Terphenyl-d14	*76.6*			*40-135*	*%REC*	*1*	*02-Aug-2023 21:23*
Surr: Nitrobenzene-d5	*42.3*			*41-120*	*%REC*	*1*	*02-Aug-2023 21:23*
Surr: Phenol-d6	*36.5*			*20-120*	*%REC*	*1*	*02-Aug-2023 21:23*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.00102**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 21:15

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW47C-20230717 Lab ID:HS23071175-12
Collection Date: 17-Jul-2023 07:45 Matrix:GW

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-2023 16:55
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 16:55
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 16:55
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 16:55
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 16:55
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 16:55
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 16:55
Surr: 1,2-Dichloroethane-d4	*91.4*			*70-126*	*%REC*	*1*	*22-Jul-2023 16:55*
Surr: 4-Bromofluorobenzene	*89.5*			*77-113*	*%REC*	*1*	*22-Jul-2023 16:55*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*22-Jul-2023 16:55*
Surr: Toluene-d8	*95.9*			*82-127*	*%REC*	*1*	*22-Jul-2023 16:55*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW47C-20230717 Lab ID:HS23071175-12
Collection Date: 17-Jul-2023 07:45 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 21-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 21:47
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 21:47
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 21:47
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 21:47
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 21:47
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 21:47
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 21:47
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 21:47
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 21:47
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 21:47
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 21:47
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 21:47
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 21:47
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 21:47
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 21:47
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 21:47
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 21:47
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 21:47
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 21:47
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 21:47
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 21:47
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 21:47
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 21:47
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 21:47
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 21:47
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 21:47
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 21:47
Surr: 2,4,6-Tribromophenol	*76.8*			*34-129*	*%REC*	*1*	*02-Aug-2023 21:47*
Surr: 2-Fluorobiphenyl	*61.5*			*40-125*	*%REC*	*1*	*02-Aug-2023 21:47*
Surr: 2-Fluorophenol	*43.0*			*20-120*	*%REC*	*1*	*02-Aug-2023 21:47*
Surr: 4-Terphenyl-d14	*85.1*			*40-135*	*%REC*	*1*	*02-Aug-2023 21:47*
Surr: Nitrobenzene-d5	*47.2*			*41-120*	*%REC*	*1*	*02-Aug-2023 21:47*
Surr: Phenol-d6	*45.3*			*20-120*	*%REC*	*1*	*02-Aug-2023 21:47*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.0114**		**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 21:17

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW60AR-20230717 Lab ID:HS23071175-13
Collection Date: 17-Jul-2023 08:40 Matrix:GW

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-2023 17:16
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 17:16
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 17:16
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 17:16
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 17:16
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 17:16
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 17:16
Surr: 1,2-Dichloroethane-d4	*94.1*			*70-126*	*%REC*	*1*	*22-Jul-2023 17:16*
Surr: 4-Bromofluorobenzene	*89.2*			*77-113*	*%REC*	*1*	*22-Jul-2023 17:16*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*22-Jul-2023 17:16*
Surr: Toluene-d8	*96.5*			*82-127*	*%REC*	*1*	*22-Jul-2023 17:16*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW60AR-20230717 Lab ID:HS23071175-13
Collection Date: 17-Jul-2023 08:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 22:10
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 22:10
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 22:10
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 22:10
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 22:10
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 22:10
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 22:10
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 22:10
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 22:10
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 22:10
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 22:10
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 22:10
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 22:10
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 22:10
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 22:10
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 22:10
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 22:10
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 22:10
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 22:10
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 22:10
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 22:10
Naphthalene	**0.00012**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2023 22:10
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 22:10
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 22:10
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 22:10
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 22:10
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 22:10
Surr: 2,4,6-Tribromophenol	*70.3*			*34-129*	*%REC*	*1*	*02-Aug-2023 22:10*
Surr: 2-Fluorobiphenyl	*48.3*			*40-125*	*%REC*	*1*	*02-Aug-2023 22:10*
Surr: 2-Fluorophenol	*35.6*			*20-120*	*%REC*	*1*	*02-Aug-2023 22:10*
Surr: 4-Terphenyl-d14	*75.2*			*40-135*	*%REC*	*1*	*02-Aug-2023 22:10*
Surr: Nitrobenzene-d5	*42.2*			*41-120*	*%REC*	*1*	*02-Aug-2023 22:10*
Surr: Phenol-d6	*37.9*			*20-120*	*%REC*	*1*	*02-Aug-2023 22:10*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.00141**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 21:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW60B-20230717 Lab ID:HS23071175-14
Collection Date: 17-Jul-2023 09:25 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	**0.0041**		**0.00020**	**0.0010**	**mg/L**	1	22-Jul-2023 17:37
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 17:37
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 17:37
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 17:37
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 17:37
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 17:37
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 17:37
Surr: 1,2-Dichloroethane-d4	*95.6*			*70-126*	*%REC*	*1*	*22-Jul-2023 17:37*
Surr: 4-Bromofluorobenzene	*92.0*			*77-113*	*%REC*	*1*	*22-Jul-2023 17:37*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*22-Jul-2023 17:37*
Surr: Toluene-d8	*95.4*			*82-127*	*%REC*	*1*	*22-Jul-2023 17:37*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW60B-20230717 Lab ID:HS23071175-14
Collection Date: 17-Jul-2023 09:25 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	02-Aug-2023 22:34
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	02-Aug-2023 22:34
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	02-Aug-2023 22:34
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	02-Aug-2023 22:34
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	02-Aug-2023 22:34
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	02-Aug-2023 22:34
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	02-Aug-2023 22:34
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	02-Aug-2023 22:34
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	02-Aug-2023 22:34
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	02-Aug-2023 22:34
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	02-Aug-2023 22:34
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	02-Aug-2023 22:34
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	02-Aug-2023 22:34
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	02-Aug-2023 22:34
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	02-Aug-2023 22:34
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	02-Aug-2023 22:34
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	02-Aug-2023 22:34
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	02-Aug-2023 22:34
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	02-Aug-2023 22:34
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	02-Aug-2023 22:34
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	02-Aug-2023 22:34
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	02-Aug-2023 22:34
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	02-Aug-2023 22:34
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	02-Aug-2023 22:34
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	02-Aug-2023 22:34
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	02-Aug-2023 22:34
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	02-Aug-2023 22:34
Surr: 2,4,6-Tribromophenol	*70.7*			*34-129*	*%REC*	*10*	*02-Aug-2023 22:34*
Surr: 2-Fluorobiphenyl	*64.6*			*40-125*	*%REC*	*10*	*02-Aug-2023 22:34*
Surr: 2-Fluorophenol	*51.5*			*20-120*	*%REC*	*10*	*02-Aug-2023 22:34*
Surr: 4-Terphenyl-d14	*92.6*			*40-135*	*%REC*	*10*	*02-Aug-2023 22:34*
Surr: Nitrobenzene-d5	*50.8*			*41-120*	*%REC*	*10*	*02-Aug-2023 22:34*
Surr: Phenol-d6	*53.1*			*20-120*	*%REC*	*10*	*02-Aug-2023 22:34*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.00121**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 21:26

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW47A-20230717 Lab ID:HS23071175-15
Collection Date: 17-Jul-2023 10:20 Matrix:GW

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-2023 17:58
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 17:58
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 17:58
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 17:58
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 17:58
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 17:58
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 17:58
Surr: 1,2-Dichloroethane-d4	*90.2*			*70-126*	*%REC*	*1*	*22-Jul-2023 17:58*
Surr: 4-Bromofluorobenzene	*87.5*			*77-113*	*%REC*	*1*	*22-Jul-2023 17:58*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*22-Jul-2023 17:58*
Surr: Toluene-d8	*99.7*			*82-127*	*%REC*	*1*	*22-Jul-2023 17:58*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW47A-20230717
Collection Date: 17-Jul-2023 10:20

ANALYTICAL REPORT
WorkOrder:HS23071175
Lab ID:HS23071175-15
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	02-Aug-2023 22:57
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	02-Aug-2023 22:57
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	02-Aug-2023 22:57
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	02-Aug-2023 22:57
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	02-Aug-2023 22:57
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	02-Aug-2023 22:57
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	02-Aug-2023 22:57
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	02-Aug-2023 22:57
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	02-Aug-2023 22:57
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	02-Aug-2023 22:57
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	02-Aug-2023 22:57
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	02-Aug-2023 22:57
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	02-Aug-2023 22:57
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	02-Aug-2023 22:57
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	02-Aug-2023 22:57
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	02-Aug-2023 22:57
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	02-Aug-2023 22:57
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	02-Aug-2023 22:57
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	02-Aug-2023 22:57
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	02-Aug-2023 22:57
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	02-Aug-2023 22:57
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	02-Aug-2023 22:57
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	02-Aug-2023 22:57
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	02-Aug-2023 22:57
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	02-Aug-2023 22:57
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	02-Aug-2023 22:57
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	02-Aug-2023 22:57
Surr: 2,4,6-Tribromophenol	*74.1*			*34-129*	*%REC*	*10*	*02-Aug-2023 22:57*
Surr: 2-Fluorobiphenyl	*67.3*			*40-125*	*%REC*	*10*	*02-Aug-2023 22:57*
Surr: 2-Fluorophenol	*56.4*			*20-120*	*%REC*	*10*	*02-Aug-2023 22:57*
Surr: 4-Terphenyl-d14	*100*			*40-135*	*%REC*	*10*	*02-Aug-2023 22:57*
Surr: Nitrobenzene-d5	*50.6*			*41-120*	*%REC*	*10*	*02-Aug-2023 22:57*
Surr: Phenol-d6	*58.2*			*20-120*	*%REC*	*10*	*02-Aug-2023 22:57*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.00109**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 21:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-MW69A-20230717 Lab ID:HS23071175-16
Collection Date: 17-Jul-2023 11:15 Matrix:GW

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-2023 18:19
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 18:19
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 18:19
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 18:19
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 18:19
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 18:19
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 18:19
Surr: 1,2-Dichloroethane-d4	*94.9*			*70-126*	*%REC*	*1*	*22-Jul-2023 18:19*
Surr: 4-Bromofluorobenzene	*86.9*			*77-113*	*%REC*	*1*	*22-Jul-2023 18:19*
Surr: Dibromofluoromethane	*108*			*77-123*	*%REC*	*1*	*22-Jul-2023 18:19*
Surr: Toluene-d8	*98.1*			*82-127*	*%REC*	*1*	*22-Jul-2023 18:19*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW69A-20230717
Collection Date: 17-Jul-2023 11:15

ANALYTICAL REPORT
WorkOrder:HS23071175
Lab ID:HS23071175-16
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 23:21
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 23:21
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 23:21
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 23:21
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 23:21
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 23:21
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 23:21
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 23:21
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 23:21
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 23:21
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 23:21
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 23:21
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 23:21
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 23:21
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 23:21
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 23:21
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 23:21
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 23:21
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 23:21
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 23:21
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 23:21
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 23:21
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 23:21
Pentachlorophenol	**0.00013**	J	**0.000079**	**0.00020**	**mg/L**	1	02-Aug-2023 23:21
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 23:21
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 23:21
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 23:21
Surr: 2,4,6-Tribromophenol	*40.3*			*34-129*	*%REC*	*1*	*02-Aug-2023 23:21*
Surr: 2-Fluorobiphenyl	*56.4*			*40-125*	*%REC*	*1*	*02-Aug-2023 23:21*
Surr: 2-Fluorophenol	*22.3*			*20-120*	*%REC*	*1*	*02-Aug-2023 23:21*
Surr: 4-Terphenyl-d14	*79.9*			*40-135*	*%REC*	*1*	*02-Aug-2023 23:21*
Surr: Nitrobenzene-d5	*43.8*			*41-120*	*%REC*	*1*	*02-Aug-2023 23:21*
Surr: Phenol-d6	*30.1*			*20-120*	*%REC*	*1*	*02-Aug-2023 23:21*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	**0.000987**	J	**0.000400**	**0.00200**	**mg/L**	1	28-Jul-2023 21:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-FB07-20230717 Lab ID:HS23071175-17
Collection Date: 17-Jul-2023 11:40 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-2023 14:07
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 14:07
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 14:07
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	22-Jul-2023 14:07
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	22-Jul-2023 14:07
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	22-Jul-2023 14:07
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	22-Jul-2023 14:07
Surr: 1,2-Dichloroethane-d4	*85.3*			*70-126*	*%REC*	*1*	*22-Jul-2023 14:07*
Surr: 4-Bromofluorobenzene	*88.1*			*77-113*	*%REC*	*1*	*22-Jul-2023 14:07*
Surr: Dibromofluoromethane	*95.7*			*77-123*	*%REC*	*1*	*22-Jul-2023 14:07*
Surr: Toluene-d8	*95.9*			*82-127*	*%REC*	*1*	*22-Jul-2023 14:07*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071175
Sample ID: WG-1620-FB07-20230717 Lab ID:HS23071175-17
Collection Date: 17-Jul-2023 11:40 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 21-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 23:44
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 23:44
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 23:44
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 23:44
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 23:44
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 23:44
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 23:44
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 23:44
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 23:44
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 23:44
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 23:44
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 23:44
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 23:44
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 23:44
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 23:44
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 23:44
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 23:44
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 23:44
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 23:44
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 23:44
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 23:44
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 23:44
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 23:44
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 23:44
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 23:44
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 23:44
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 23:44
Surr: 2,4,6-Tribromophenol	*51.6*			*34-129*	*%REC*	*1*	*02-Aug-2023 23:44*
Surr: 2-Fluorobiphenyl	*55.7*			*40-125*	*%REC*	*1*	*02-Aug-2023 23:44*
Surr: 2-Fluorophenol	*34.8*			*20-120*	*%REC*	*1*	*02-Aug-2023 23:44*
Surr: 4-Terphenyl-d14	*67.6*			*40-135*	*%REC*	*1*	*02-Aug-2023 23:44*
Surr: Nitrobenzene-d5	*44.7*			*41-120*	*%REC*	*1*	*02-Aug-2023 23:44*
Surr: Phenol-d6	*39.4*			*20-120*	*%REC*	*1*	*02-Aug-2023 23:44*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 28-Jul-2023		Analyst: MSC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	28-Jul-2023 21:32

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

Batch ID: 197895 **Start Date:** 21 Jul 2023 10:30 **End Date:** 21 Jul 2023 10:30
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071175-06		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071175-07		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071175-08		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071175-09		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071175-10		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071175-11		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071175-12		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071175-13		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071175-14		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071175-15		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071175-16		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071175-17		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198234 **Start Date:** 28 Jul 2023 13:30 **End Date:** 28 Jul 2023 13:30
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071175-03		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 198235 **Start Date:** 28 Jul 2023 13:30 **End Date:** 28 Jul 2023 13:30
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071175-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-14		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-15		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-16		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071175-17		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 197895 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS23071175-17	WG-1620-FB07-20230717	17 Jul 2023 11:40		21 Jul 2023 10:30	02 Aug 2023 23:44	1
Batch ID: 197895 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS23071175-06	WG-1620-MW59B-20230714	14 Jul 2023 09:25		21 Jul 2023 10:30	02 Aug 2023 19:25	1
HS23071175-07	WG-1620-MW59D-20230714	14 Jul 2023 10:40		21 Jul 2023 10:30	02 Aug 2023 19:49	1
HS23071175-08	WG-1620-FD02-20230714	14 Jul 2023 10:40		21 Jul 2023 10:30	02 Aug 2023 20:12	1
HS23071175-09	WG-1620-MW66D-20230714	14 Jul 2023 11:35		21 Jul 2023 10:30	02 Aug 2023 20:36	1
HS23071175-10	WG-1620-MW65D-20230714	14 Jul 2023 12:50		21 Jul 2023 10:30	02 Aug 2023 21:00	1
HS23071175-11	WG-1620-MW36D-20230714	14 Jul 2023 14:00		21 Jul 2023 10:30	02 Aug 2023 21:23	1
HS23071175-12	WG-1620-MW47C-20230717	17 Jul 2023 07:45		21 Jul 2023 10:30	02 Aug 2023 21:47	1
HS23071175-13	WG-1620-MW60AR-20230717	17 Jul 2023 08:40		21 Jul 2023 10:30	02 Aug 2023 22:10	1
HS23071175-14	WG-1620-MW60B-20230717	17 Jul 2023 09:25		21 Jul 2023 10:30	02 Aug 2023 22:34	10
HS23071175-15	WG-1620-MW47A-20230717	17 Jul 2023 10:20		21 Jul 2023 10:30	02 Aug 2023 22:57	10
HS23071175-16	WG-1620-MW69A-20230717	17 Jul 2023 11:15		21 Jul 2023 10:30	02 Aug 2023 23:21	1
Batch ID: 198234 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** GW	
HS23071175-03	WG-1620-MW61B-20230713	13 Jul 2023 15:50		28 Jul 2023 13:30	28 Jul 2023 21:58	1
Batch ID: 198235 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS23071175-17	WG-1620-FB07-20230717	17 Jul 2023 11:40		28 Jul 2023 13:30	28 Jul 2023 21:32	1
Batch ID: 198235 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** GW	
HS23071175-01	WG-1620-MW27A-20230713	13 Jul 2023 13:55		28 Jul 2023 13:30	28 Jul 2023 20:59	1
HS23071175-02	WG-1620-MW27C-20230713	13 Jul 2023 14:45		28 Jul 2023 13:30	28 Jul 2023 21:01	1
HS23071175-04	WG-1620-MW61A-20230713	13 Jul 2023 16:45		28 Jul 2023 13:30	28 Jul 2023 21:03	1
HS23071175-05	WG-1620-MW59A-20230713	13 Jul 2023 17:45		28 Jul 2023 13:30	28 Jul 2023 21:05	1
HS23071175-06	WG-1620-MW59B-20230714	14 Jul 2023 09:25		28 Jul 2023 13:30	28 Jul 2023 21:07	1
HS23071175-07	WG-1620-MW59D-20230714	14 Jul 2023 10:40		28 Jul 2023 13:30	28 Jul 2023 21:09	1
HS23071175-08	WG-1620-FD02-20230714	14 Jul 2023 10:40		28 Jul 2023 13:30	28 Jul 2023 21:11	1
HS23071175-09	WG-1620-MW66D-20230714	14 Jul 2023 11:35		28 Jul 2023 13:30	28 Jul 2023 21:13	1
HS23071175-10	WG-1620-MW65D-20230714	14 Jul 2023 12:50		28 Jul 2023 13:30	28 Jul 2023 20:44	1
HS23071175-11	WG-1620-MW36D-20230714	14 Jul 2023 14:00		28 Jul 2023 13:30	28 Jul 2023 21:15	1
HS23071175-12	WG-1620-MW47C-20230717	17 Jul 2023 07:45		28 Jul 2023 13:30	28 Jul 2023 21:17	1
HS23071175-13	WG-1620-MW60AR-20230717	17 Jul 2023 08:40		28 Jul 2023 13:30	28 Jul 2023 21:24	1
HS23071175-14	WG-1620-MW60B-20230717	17 Jul 2023 09:25		28 Jul 2023 13:30	28 Jul 2023 21:26	1
HS23071175-15	WG-1620-MW47A-20230717	17 Jul 2023 10:20		28 Jul 2023 13:30	28 Jul 2023 21:28	1
HS23071175-16	WG-1620-MW69A-20230717	17 Jul 2023 11:15		28 Jul 2023 13:30	28 Jul 2023 21:30	1
Batch ID: R442014 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071175-01	WG-1620-MW27A-20230713	13 Jul 2023 13:55			22 Jul 2023 04:25	1
HS23071175-02	WG-1620-MW27C-20230713	13 Jul 2023 14:45			22 Jul 2023 04:47	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R442040 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS23071175-17	WG-1620-FB07-20230717	17 Jul 2023 11:40			22 Jul 2023 14:07	1
Batch ID: R442040 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071175-03	WG-1620-MW61B-20230713	13 Jul 2023 15:50			22 Jul 2023 12:00	1
HS23071175-04	WG-1620-MW61A-20230713	13 Jul 2023 16:45			22 Jul 2023 14:28	1
HS23071175-05	WG-1620-MW59A-20230713	13 Jul 2023 17:45			22 Jul 2023 14:49	1
HS23071175-06	WG-1620-MW59B-20230714	14 Jul 2023 09:25			22 Jul 2023 15:10	1
HS23071175-07	WG-1620-MW59D-20230714	14 Jul 2023 10:40			22 Jul 2023 15:31	1
HS23071175-08	WG-1620-FD02-20230714	14 Jul 2023 10:40			22 Jul 2023 15:52	1
HS23071175-09	WG-1620-MW66D-20230714	14 Jul 2023 11:35			22 Jul 2023 16:13	1
HS23071175-11	WG-1620-MW36D-20230714	14 Jul 2023 14:00			22 Jul 2023 16:34	1
HS23071175-12	WG-1620-MW47C-20230717	17 Jul 2023 07:45			22 Jul 2023 16:55	1
HS23071175-13	WG-1620-MW60AR-20230717	17 Jul 2023 08:40			22 Jul 2023 17:16	1
HS23071175-14	WG-1620-MW60B-20230717	17 Jul 2023 09:25			22 Jul 2023 17:37	1
HS23071175-15	WG-1620-MW47A-20230717	17 Jul 2023 10:20			22 Jul 2023 17:58	1
HS23071175-16	WG-1620-MW69A-20230717	17 Jul 2023 11:15			22 Jul 2023 18:19	1
Batch ID: R442056 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071175-10	WG-1620-MW65D-20230714	14 Jul 2023 12:50			22 Jul 2023 22:53	1

WorkOrder: HS23071175
InstrumentID: ICPMS05
Test Code: ICP_TW
Test Number: SW6020A
Test Name: ICP-MS Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00112	0.000400	0.00200

WorkOrder: HS23071175
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	0.0010
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	Di-n-butyl phthalate	84-74-2	0.00010	0.000079	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.000037	0.000020	0.00010
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	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000069	0.000025	0.00020
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	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: HS23071175
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	0.00052	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00049	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00053	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00054	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.00069	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00059	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0015	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

WorkOrder: HS23071175
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	0.00058	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00050	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00053	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00038	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.0013	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00045	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0011	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

WorkOrder: HS23071175
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	0.00065	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00040	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00063	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00051	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.0015	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.0010	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0016	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

QC BATCH REPORT

Batch ID: 198234 (0) **Instrument: ICPMS05** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-198234** Units: **mg/L** Analysis Date: **28-Jul-2023 21:54**
Client ID: Run ID: **ICPMS05_442602** SeqNo: **7460488** PrepDate: **28-Jul-2023** 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-198234** Units: **mg/L** Analysis Date: **28-Jul-2023 21:56**
Client ID: Run ID: **ICPMS05_442602** SeqNo: **7460489** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04593	0.00200	0.05	0	91.9	80 - 120				

MS Sample ID: **HS23071175-03MS** Units: **mg/L** Analysis Date: **28-Jul-2023 22:02**
Client ID: **WG-1620-MW61B-20230713** Run ID: **ICPMS05_442602** SeqNo: **7460459** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05018	0.00200	0.05	0.000753	98.9	80 - 120				

MSD Sample ID: **HS23071175-03MSD** Units: **mg/L** Analysis Date: **28-Jul-2023 22:04**
Client ID: **WG-1620-MW61B-20230713** Run ID: **ICPMS05_442602** SeqNo: **7460460** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05036	0.00200	0.05	0.000753	99.2	80 - 120	0.05018	0.366	20	

PDS Sample ID: **HS23071175-03PDS** Units: **mg/L** Analysis Date: **28-Jul-2023 22:06**
Client ID: **WG-1620-MW61B-20230713** Run ID: **ICPMS05_442602** SeqNo: **7460461** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1005	0.00200	0.1	0.000753	99.8	75 - 125				

SD Sample ID: **HS23071175-03SD** Units: **mg/L** Analysis Date: **28-Jul-2023 22:00**
Client ID: **WG-1620-MW61B-20230713** Run ID: **ICPMS05_442602** SeqNo: **7460458** PrepDate: **28-Jul-2023** 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					0.000753	0	10	

The following samples were analyzed in this batch: HS23071175-03

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

QC BATCH REPORT

Batch ID: 198235 (0) **Instrument: ICPMS05** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-198235** Units: **mg/L** Analysis Date: **28-Jul-2023 20:40**
Client ID: Run ID: **ICPMS05_442602** SeqNo: **7460423** PrepDate: **28-Jul-2023** 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-198235** Units: **mg/L** Analysis Date: **28-Jul-2023 20:42**
Client ID: Run ID: **ICPMS05_442602** SeqNo: **7460424** PrepDate: **28-Jul-2023** 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	102	80 - 120				

MS Sample ID: **HS23071175-10MS** Units: **mg/L** Analysis Date: **28-Jul-2023 20:48**
Client ID: **WG-1620-MW65D-20230714** Run ID: **ICPMS05_442602** SeqNo: **7460427** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04752	0.00200	0.05	0.001049	92.9	80 - 120				

MSD Sample ID: **HS23071175-10MSD** Units: **mg/L** Analysis Date: **28-Jul-2023 20:50**
Client ID: **WG-1620-MW65D-20230714** Run ID: **ICPMS05_442602** SeqNo: **7460428** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04901	0.00200	0.05	0.001049	95.9	80 - 120	0.04752	3.1	20	

PDS Sample ID: **HS23071175-10PDS** Units: **mg/L** Analysis Date: **28-Jul-2023 20:52**
Client ID: **WG-1620-MW65D-20230714** Run ID: **ICPMS05_442602** SeqNo: **7460429** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1015	0.00200	0.1	0.001049	100	75 - 125				

SD Sample ID: **HS23071175-10SD** Units: **mg/L** Analysis Date: **28-Jul-2023 20:46**
Client ID: **WG-1620-MW65D-20230714** Run ID: **ICPMS05_442602** SeqNo: **7460426** PrepDate: **28-Jul-2023** 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					0.001049	0	10	

The following samples were analyzed in this batch:

HS23071175-01	HS23071175-02	HS23071175-04	HS23071175-05
HS23071175-06	HS23071175-07	HS23071175-08	HS23071175-09
HS23071175-10	HS23071175-11	HS23071175-12	HS23071175-13
HS23071175-14	HS23071175-15	HS23071175-16	HS23071175-17

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

QC BATCH REPORT

Batch ID: 197895 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-197895** Units: **ug/L** Analysis Date: **22-Jul-2023 11:25**
Client ID: Run ID: **SV-7_442058** SeqNo: **7445672** PrepDate: **21-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.372*	*0.20*	*5*	*0*	*67.4*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.062*	*0.20*	*5*	*0*	*81.2*	*40 - 125*				
Surr: 2-Fluorophenol	*3.022*	*0.20*	*5*	*0*	*60.4*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.259*	*0.20*	*5*	*0*	*85.2*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.513*	*0.20*	*5*	*0*	*70.3*	*41 - 120*				
Surr: Phenol-d6	*3.141*	*0.20*	*5*	*0*	*62.8*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

QC BATCH REPORT

Batch ID: 197895 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-197895** Units: **ug/L** Analysis Date: **22-Jul-2023 11:46**
Client ID: Run ID: **SV-7_442058** SeqNo: **7445673** PrepDate: **21-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.159	0.20	5	0	83.2	39 - 127				
2,4-Dimethylphenol	3.968	0.20	5	0	79.4	35 - 120				
2,4-Dinitrotoluene	4.45	0.20	5	0	89.0	50 - 122				
2,6-Dinitrotoluene	4.419	0.20	5	0	88.4	50 - 120				
2-Chloronaphthalene	4.18	0.20	5	0	83.6	50 - 120				
2-Methylnaphthalene	3.882	0.10	5	0	77.6	50 - 120				
4,6-Dinitro-2-methylphenol	4.806	1.0	5	0	96.1	25 - 121				
4-Nitrophenol	4.816	1.0	5	0	96.3	30 - 130				
Acenaphthene	3.88	0.10	5	0	77.6	45 - 120				
Acenaphthylene	3.95	0.10	5	0	79.0	47 - 120				
Anthracene	4.026	0.10	5	0	80.5	45 - 120				
Benz(a)anthracene	4.224	0.10	5	0	84.5	40 - 120				
Benzo(a)pyrene	4.723	0.10	5	0	94.5	45 - 120				
Bis(2-chloroethoxy)methane	3.786	0.20	5	0	75.7	45 - 120				
Bis(2-ethylhexyl)phthalate	5.233	0.20	5	0	105	40 - 139				
Chrysene	4.259	0.10	5	0	85.2	43 - 120				
Dibenzofuran	3.989	0.10	5	0	79.8	50 - 120				
Di-n-butyl phthalate	4.497	0.20	5	0	89.9	45 - 123				
Fluoranthene	4.234	0.10	5	0	84.7	45 - 125				
Fluorene	3.95	0.10	5	0	79.0	49 - 120				
Naphthalene	3.878	0.10	5	0	77.6	45 - 120				
Nitrobenzene	3.612	0.20	5	0	72.2	44 - 120				
N-Nitrosodiphenylamine	4.007	0.20	5	0	80.1	40 - 125				
Pentachlorophenol	3.217	0.20	5	0	64.3	19 - 121				
Phenanthrene	3.935	0.10	5	0	78.7	45 - 121				
Phenol	4.124	0.20	5	0	82.5	20 - 124				
Pyrene	4.101	0.10	5	0	82.0	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.848*	*0.20*	*5*	*0*	*77.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.952*	*0.20*	*5*	*0*	*79.0*	*40 - 125*				
Surr: 2-Fluorophenol	*2.979*	*0.20*	*5*	*0*	*59.6*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.137*	*0.20*	*5*	*0*	*82.7*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.47*	*0.20*	*5*	*0*	*69.4*	*41 - 120*				
Surr: Phenol-d6	*3.334*	*0.20*	*5*	*0*	*66.7*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

QC BATCH REPORT

Batch ID: 197895 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-197895** Units: **ug/L** Analysis Date: **22-Jul-2023 12:08**
Client ID: Run ID: **SV-7_442058** SeqNo: **7445674** PrepDate: **21-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.078	0.20	5	0	81.6	39 - 127	4.159	1.96	20	
2,4-Dimethylphenol	3.926	0.20	5	0	78.5	35 - 120	3.968	1.06	20	
2,4-Dinitrotoluene	4.551	0.20	5	0	91.0	50 - 122	4.45	2.23	20	
2,6-Dinitrotoluene	4.472	0.20	5	0	89.4	50 - 120	4.419	1.2	20	
2-Chloronaphthalene	4.346	0.20	5	0	86.9	50 - 120	4.18	3.91	20	
2-Methylnaphthalene	3.931	0.10	5	0	78.6	50 - 120	3.882	1.26	20	
4,6-Dinitro-2-methylphenol	5.01	1.0	5	0	100	25 - 121	4.806	4.16	30	
4-Nitrophenol	4.92	1.0	5	0	98.4	30 - 130	4.816	2.14	20	
Acenaphthene	3.939	0.10	5	0	78.8	45 - 120	3.88	1.52	20	
Acenaphthylene	4.054	0.10	5	0	81.1	47 - 120	3.95	2.58	20	
Anthracene	4.021	0.10	5	0	80.4	45 - 120	4.026	0.127	20	
Benz(a)anthracene	4.113	0.10	5	0	82.3	40 - 120	4.224	2.65	20	
Benzo(a)pyrene	4.747	0.10	5	0	94.9	45 - 120	4.723	0.5	20	
Bis(2-chloroethoxy)methane	3.736	0.20	5	0	74.7	45 - 120	3.786	1.35	20	
Bis(2-ethylhexyl)phthalate	4.875	0.20	5	0	97.5	40 - 139	5.233	7.08	20	
Chrysene	4.076	0.10	5	0	81.5	43 - 120	4.259	4.38	20	
Dibenzofuran	3.963	0.10	5	0	79.3	50 - 120	3.989	0.645	20	
Di-n-butyl phthalate	4.498	0.20	5	0	90.0	45 - 123	4.497	0.0218	20	
Fluoranthene	4.292	0.10	5	0	85.8	45 - 125	4.234	1.37	20	
Fluorene	3.994	0.10	5	0	79.9	49 - 120	3.95	1.11	20	
Naphthalene	3.824	0.10	5	0	76.5	45 - 120	3.878	1.39	20	
Nitrobenzene	3.558	0.20	5	0	71.2	44 - 120	3.612	1.51	20	
N-Nitrosodiphenylamine	3.998	0.20	5	0	80.0	40 - 125	4.007	0.246	20	
Pentachlorophenol	3.18	0.20	5	0	63.6	19 - 121	3.217	1.14	20	
Phenanthrene	3.991	0.10	5	0	79.8	45 - 121	3.935	1.42	20	
Phenol	4.194	0.20	5	0	83.9	20 - 124	4.124	1.69	20	
Pyrene	3.909	0.10	5	0	78.2	40 - 130	4.101	4.8	20	
Surr: 2,4,6-Tribromophenol	*3.772*	*0.20*	*5*	*0*	*75.4*	*34 - 129*	*3.848*	*2*	*20*	
Surr: 2-Fluorobiphenyl	*4.06*	*0.20*	*5*	*0*	*81.2*	*40 - 125*	*3.952*	*2.69*	*20*	
Surr: 2-Fluorophenol	*3.07*	*0.20*	*5*	*0*	*61.4*	*20 - 120*	*2.979*	*3.02*	*20*	
Surr: 4-Terphenyl-d14	*3.928*	*0.20*	*5*	*0*	*78.6*	*40 - 135*	*4.137*	*5.18*	*20*	
Surr: Nitrobenzene-d5	*3.476*	*0.20*	*5*	*0*	*69.5*	*41 - 120*	*3.47*	*0.146*	*20*	
Surr: Phenol-d6	*3.467*	*0.20*	*5*	*0*	*69.3*	*20 - 120*	*3.334*	*3.93*	*20*	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

QC BATCH REPORT

Batch ID: 197895 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS23071175-10MS** Units: **ug/L** Analysis Date: **09-Aug-2023 19:34**
Client ID: **WG-1620-MW65D-20230714** Run ID: **SV-10_443634** SeqNo: **7482950** PrepDate: **21-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.242	0.20	5	0	64.8	39 - 127				
2,4-Dimethylphenol	2.973	0.20	5	0	59.5	35 - 120				
2,4-Dinitrotoluene	3.693	0.20	5	0	73.9	50 - 122				
2,6-Dinitrotoluene	3.317	0.20	5	0	66.3	50 - 120				
2-Chloronaphthalene	3.222	0.20	5	0	64.4	50 - 120				
2-Methylnaphthalene	2.876	0.10	5	0	57.5	50 - 120				
4,6-Dinitro-2-methylphenol	3.022	1.0	5	0	60.4	25 - 121				
4-Nitrophenol	3.256	1.0	5	0	65.1	30 - 130				
Acenaphthene	2.989	0.10	5	0	59.8	45 - 120				
Acenaphthylene	3.007	0.10	5	0	60.1	47 - 120				
Anthracene	3.59	0.10	5	0	71.8	45 - 120				
Benz(a)anthracene	3.524	0.10	5	0	70.5	40 - 120				
Benzo(a)pyrene	3.775	0.10	5	0	75.5	45 - 120				
Bis(2-chloroethoxy)methane	2.691	0.20	5	0	53.8	45 - 120				
Bis(2-ethylhexyl)phthalate	3.663	0.20	5	0	73.3	40 - 139				
Chrysene	3.527	0.10	5	0	70.5	43 - 120				
Dibenzofuran	3.255	0.10	5	0	65.1	50 - 120				
Di-n-butyl phthalate	3.917	0.20	5	0	78.3	45 - 123				
Fluoranthene	3.763	0.10	5	0	75.3	45 - 125				
Fluorene	3.46	0.10	5	0	69.2	49 - 120				
Naphthalene	2.777	0.10	5	0	55.5	45 - 120				
Nitrobenzene	2.864	0.20	5	0	57.3	44 - 120				
N-Nitrosodiphenylamine	3.538	0.20	5	0	70.8	40 - 125				
Pentachlorophenol	3.254	0.20	5	0	65.1	19 - 121				
Phenanthrene	3.629	0.10	5	0	72.6	45 - 121				
Phenol	2.978	0.20	5	0	59.6	20 - 124				
Pyrene	3.473	0.10	5	0	69.5	40 - 130				
Surr: 2,4,6-Tribromophenol	*2.985*	*0.20*	*5*	*0*	*59.7*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*2.812*	*0.20*	*5*	*0*	*56.2*	*40 - 125*				
Surr: 2-Fluorophenol	*2.062*	*0.20*	*5*	*0*	*41.2*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.448*	*0.20*	*5*	*0*	*69.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.565*	*0.20*	*5*	*0*	*51.3*	*41 - 120*				
Surr: Phenol-d6	*2.37*	*0.20*	*5*	*0*	*47.4*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

QC BATCH REPORT

Batch ID: 197895 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS23071175-10MSD** Units: **ug/L** Analysis Date: **09-Aug-2023 19:57**
Client ID: **WG-1620-MW65D-20230714** Run ID: **SV-10_443634** SeqNo: **7482951** PrepDate: **21-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.025	0.20	5	0	60.5	39 - 127	3.242	6.91	20	
2,4-Dimethylphenol	2.902	0.20	5	0	58.0	35 - 120	2.973	2.41	20	
2,4-Dinitrotoluene	3.582	0.20	5	0	71.6	50 - 122	3.693	3.04	20	
2,6-Dinitrotoluene	3.178	0.20	5	0	63.6	50 - 120	3.317	4.28	20	
2-Chloronaphthalene	2.958	0.20	5	0	59.2	50 - 120	3.222	8.57	20	
2-Methylnaphthalene	2.741	0.10	5	0	54.8	50 - 120	2.876	4.78	20	
4,6-Dinitro-2-methylphenol	3.147	1.0	5	0	62.9	25 - 121	3.022	4.05	30	
4-Nitrophenol	3.271	1.0	5	0	65.4	30 - 130	3.256	0.47	20	
Acenaphthene	2.762	0.10	5	0	55.2	45 - 120	2.989	7.89	20	
Acenaphthylene	2.818	0.10	5	0	56.4	47 - 120	3.007	6.49	20	
Anthracene	3.542	0.10	5	0	70.8	45 - 120	3.59	1.35	20	
Benz(a)anthracene	3.498	0.10	5	0	70.0	40 - 120	3.524	0.716	20	
Benzo(a)pyrene	3.955	0.10	5	0	79.1	45 - 120	3.775	4.65	20	
Bis(2-chloroethoxy)methane	2.59	0.20	5	0	51.8	45 - 120	2.691	3.84	20	
Bis(2-ethylhexyl)phthalate	3.756	0.20	5	0	75.1	40 - 139	3.663	2.53	20	
Chrysene	3.494	0.10	5	0	69.9	43 - 120	3.527	0.944	20	
Dibenzofuran	2.946	0.10	5	0	58.9	50 - 120	3.255	9.97	20	
Di-n-butyl phthalate	3.773	0.20	5	0	75.5	45 - 123	3.917	3.76	20	
Fluoranthene	3.686	0.10	5	0	73.7	45 - 125	3.763	2.05	20	
Fluorene	3.202	0.10	5	0	64.0	49 - 120	3.46	7.74	20	
Naphthalene	2.699	0.10	5	0	54.0	45 - 120	2.777	2.87	20	
Nitrobenzene	2.797	0.20	5	0	55.9	44 - 120	2.864	2.37	20	
N-Nitrosodiphenylamine	3.432	0.20	5	0	68.6	40 - 125	3.538	3.02	20	
Pentachlorophenol	3.348	0.20	5	0	67.0	19 - 121	3.254	2.83	20	
Phenanthrene	3.451	0.10	5	0	69.0	45 - 121	3.629	5.02	20	
Phenol	2.842	0.20	5	0	56.8	20 - 124	2.978	4.69	20	
Pyrene	3.536	0.10	5	0	70.7	40 - 130	3.473	1.81	20	
Surr: 2,4,6-Tribromophenol	*2.878*	*0.20*	*5*	*0*	*57.6*	*34 - 129*	*2.985*	*3.66*	*20*	
Surr: 2-Fluorobiphenyl	*2.689*	*0.20*	*5*	*0*	*53.8*	*40 - 125*	*2.812*	*4.48*	*20*	
Surr: 2-Fluorophenol	*1.962*	*0.20*	*5*	*0*	*39.2*	*20 - 120*	*2.062*	*4.95*	*20*	
Surr: 4-Terphenyl-d14	*3.445*	*0.20*	*5*	*0*	*68.9*	*40 - 135*	*3.448*	*0.0807*	*20*	
Surr: Nitrobenzene-d5	*2.478*	*0.20*	*5*	*0*	*49.6*	*41 - 120*	*2.565*	*3.43*	*20*	
Surr: Phenol-d6	*2.246*	*0.20*	*5*	*0*	*44.9*	*20 - 120*	*2.37*	*5.39*	*20*	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

QC BATCH REPORT

Batch ID: 197895 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS23071175-06	HS23071175-07	HS23071175-08	HS23071175-09
HS23071175-10	HS23071175-11	HS23071175-12	HS23071175-13
HS23071175-14	HS23071175-15	HS23071175-16	HS23071175-17

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

QC BATCH REPORT

Batch ID: R442014 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230721** Units: **ug/L** Analysis Date: **21-Jul-2023 21:37**
Client ID: Run ID: **VOA7_442014** SeqNo: **7443999** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*47.74*	*1.0*	*50*	*0*	*95.5*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.34*	*1.0*	*50*	*0*	*96.7*	*77 - 113*				
Surr: Dibromofluoromethane	*49.17*	*1.0*	*50*	*0*	*98.3*	*73 - 126*				
Surr: Toluene-d8	*50.27*	*1.0*	*50*	*0*	*101*	*81 - 120*				

LCS Sample ID: **VLCSW-230721** Units: **ug/L** Analysis Date: **21-Jul-2023 20:55**
Client ID: Run ID: **VOA7_442014** SeqNo: **7443998** 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 - 124				
Benzene	19.37	1.0	20	0	96.8	74 - 120				
Chlorobenzene	19.54	1.0	20	0	97.7	76 - 113				
Ethylbenzene	19.92	1.0	20	0	99.6	77 - 117				
Methylene chloride	19.02	2.0	20	0	95.1	70 - 127				
Toluene	19.16	1.0	20	0	95.8	77 - 118				
Xylenes, Total	59.5	3.0	60	0	99.2	75 - 122				
Surr: 1,2-Dichloroethane-d4	*48.26*	*1.0*	*50*	*0*	*96.5*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.97*	*1.0*	*50*	*0*	*97.9*	*77 - 113*				
Surr: Dibromofluoromethane	*50.18*	*1.0*	*50*	*0*	*100*	*73 - 126*				
Surr: Toluene-d8	*49.68*	*1.0*	*50*	*0*	*99.4*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

QC BATCH REPORT

Batch ID: R442014 (0) **Instrument: VOA7** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23071134-08MS** Units: **ug/L** Analysis Date: **21-Jul-2023 23:03**
Client ID: Run ID: **VOA7_442014** SeqNo: **7444003** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.13	1.0	20	0	85.6	70 - 127				
Benzene	18.91	1.0	20	0	94.6	70 - 127				
Chlorobenzene	18.99	1.0	20	0	94.9	70 - 114				
Ethylbenzene	19.23	1.0	20	0	96.2	70 - 124				
Methylene chloride	17.31	2.0	20	0	86.5	70 - 128				
Toluene	18.84	1.0	20	0	94.2	70 - 123				
Xylenes, Total	57.42	3.0	60	0	95.7	70 - 130				
Surr: 1,2-Dichloroethane-d4	*48.7*	*1.0*	*50*	*0*	*97.4*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.93*	*1.0*	*50*	*0*	*99.9*	*77 - 113*				
Surr: Dibromofluoromethane	*49.68*	*1.0*	*50*	*0*	*99.4*	*77 - 123*				
Surr: Toluene-d8	*50.01*	*1.0*	*50*	*0*	*100*	*82 - 127*				

MSD Sample ID: **HS23071134-08MSD** Units: **ug/L** Analysis Date: **21-Jul-2023 23:25**
Client ID: Run ID: **VOA7_442014** SeqNo: **7444004** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	16.73	1.0	20	0	83.6	70 - 127	17.13	2.35	20	
Benzene	17.94	1.0	20	0	89.7	70 - 127	18.91	5.29	20	
Chlorobenzene	18.61	1.0	20	0	93.1	70 - 114	18.99	2	20	
Ethylbenzene	18.97	1.0	20	0	94.8	70 - 124	19.23	1.39	20	
Methylene chloride	16.84	2.0	20	0	84.2	70 - 128	17.31	2.7	20	
Toluene	18.07	1.0	20	0	90.3	70 - 123	18.84	4.19	20	
Xylenes, Total	56.46	3.0	60	0	94.1	70 - 130	57.42	1.68	20	
Surr: 1,2-Dichloroethane-d4	*49.22*	*1.0*	*50*	*0*	*98.4*	*70 - 126*	*48.7*	*1.07*	*20*	
Surr: 4-Bromofluorobenzene	*49.86*	*1.0*	*50*	*0*	*99.7*	*77 - 113*	*49.93*	*0.122*	*20*	
Surr: Dibromofluoromethane	*49.53*	*1.0*	*50*	*0*	*99.1*	*77 - 123*	*49.68*	*0.291*	*20*	
Surr: Toluene-d8	*50.81*	*1.0*	*50*	*0*	*102*	*82 - 127*	*50.01*	*1.58*	*20*	

The following samples were analyzed in this batch: HS23071175-01 HS23071175-02

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

QC BATCH REPORT

Batch ID: R442040 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230722** Units: **ug/L** Analysis Date: **22-Jul-2023 11:39**
Client ID: Run ID: **VOA11_442040** SeqNo: **7444536** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*46.58*	*1.0*	*50*	*0*	*93.2*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*46.41*	*1.0*	*50*	*0*	*92.8*	*77 - 113*				
Surr: Dibromofluoromethane	*47.45*	*1.0*	*50*	*0*	*94.9*	*73 - 126*				
Surr: Toluene-d8	*50.36*	*1.0*	*50*	*0*	*101*	*81 - 120*				

LCS Sample ID: **VLCSW-230722** Units: **ug/L** Analysis Date: **22-Jul-2023 10:57**
Client ID: Run ID: **VOA11_442040** SeqNo: **7444763** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.76	1.0	20	0	88.8	70 - 124				
Benzene	17.87	1.0	20	0	89.3	74 - 120				
Chlorobenzene	17.41	1.0	20	0	87.0	76 - 113				
Ethylbenzene	19.09	1.0	20	0	95.5	77 - 117				
Methylene chloride	20.42	2.0	20	0	102	70 - 127				
Toluene	17.97	1.0	20	0	89.9	77 - 118				
Xylenes, Total	56.86	3.0	60	0	94.8	75 - 122				
Surr: 1,2-Dichloroethane-d4	*46.39*	*1.0*	*50*	*0*	*92.8*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.83*	*1.0*	*50*	*0*	*97.7*	*77 - 113*				
Surr: Dibromofluoromethane	*48.33*	*1.0*	*50*	*0*	*96.7*	*73 - 126*				
Surr: Toluene-d8	*50.25*	*1.0*	*50*	*0*	*101*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

QC BATCH REPORT

Batch ID: R442040 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23071175-03MS** Units: **ug/L** Analysis Date: **22-Jul-2023 12:21**
Client ID: **WG-1620-MW61B-20230713** Run ID: **VOA11_442040** SeqNo: **7444764** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	15.17	1.0	20	0	75.9	70 - 127				
Benzene	17.31	1.0	20	0	86.5	70 - 127				
Chlorobenzene	16.46	1.0	20	0	82.3	70 - 114				
Ethylbenzene	18.13	1.0	20	0	90.6	70 - 124				
Methylene chloride	18.38	2.0	20	0	91.9	70 - 128				
Toluene	17.64	1.0	20	0	88.2	70 - 123				
Xylenes, Total	54.5	3.0	60	0	90.8	70 - 130				
Surr: 1,2-Dichloroethane-d4	*45.89*	*1.0*	*50*	*0*	*91.8*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*48.92*	*1.0*	*50*	*0*	*97.8*	*77 - 113*				
Surr: Dibromofluoromethane	*49.35*	*1.0*	*50*	*0*	*98.7*	*77 - 123*				
Surr: Toluene-d8	*49.21*	*1.0*	*50*	*0*	*98.4*	*82 - 127*				

MSD Sample ID: **HS23071175-03MSD** Units: **ug/L** Analysis Date: **22-Jul-2023 12:43**
Client ID: **WG-1620-MW61B-20230713** Run ID: **VOA11_442040** SeqNo: **7444765** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	14.63	1.0	20	0	73.2	70 - 127	15.17	3.62	20	
Benzene	16.28	1.0	20	0	81.4	70 - 127	17.31	6.1	20	
Chlorobenzene	16.14	1.0	20	0	80.7	70 - 114	16.46	1.97	20	
Ethylbenzene	17.34	1.0	20	0	86.7	70 - 124	18.13	4.42	20	
Methylene chloride	17.37	2.0	20	0	86.8	70 - 128	18.38	5.67	20	
Toluene	16.35	1.0	20	0	81.7	70 - 123	17.64	7.58	20	
Xylenes, Total	52.19	3.0	60	0	87.0	70 - 130	54.5	4.34	20	
Surr: 1,2-Dichloroethane-d4	*44.54*	*1.0*	*50*	*0*	*89.1*	*70 - 126*	*45.89*	*2.99*	*20*	
Surr: 4-Bromofluorobenzene	*48.95*	*1.0*	*50*	*0*	*97.9*	*77 - 113*	*48.92*	*0.0486*	*20*	
Surr: Dibromofluoromethane	*48.9*	*1.0*	*50*	*0*	*97.8*	*77 - 123*	*49.35*	*0.913*	*20*	
Surr: Toluene-d8	*50.66*	*1.0*	*50*	*0*	*101*	*82 - 127*	*49.21*	*2.92*	*20*	

The following samples were analyzed in this batch:

HS23071175-03	HS23071175-04	HS23071175-05	HS23071175-06
HS23071175-07	HS23071175-08	HS23071175-09	HS23071175-11
HS23071175-12	HS23071175-13	HS23071175-14	HS23071175-15
HS23071175-16	HS23071175-17		

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

QC BATCH REPORT

Batch ID: R442056 (0) **Instrument: VOA10** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **MBLKW-230722** Units: **ug/L** Analysis Date: **22-Jul-2023 22:32**
Client ID: Run ID: **VOA10_442056** SeqNo: **7445003** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*51.96*	*1.0*	*50*	*0*	*104*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*45.12*	*1.0*	*50*	*0*	*90.2*	*77 - 113*				
Surr: Dibromofluoromethane	*50.63*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*49.14*	*1.0*	*50*	*0*	*98.3*	*81 - 120*				

LCS Sample ID: **VLCSW-230722** Units: **ug/L** Analysis Date: **22-Jul-2023 21:50**
Client ID: Run ID: **VOA10_442056** SeqNo: **7445002** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.09	1.0	20	0	90.5	70 - 124				
Benzene	17.28	1.0	20	0	86.4	74 - 120				
Chlorobenzene	17.65	1.0	20	0	88.3	76 - 113				
Ethylbenzene	17.29	1.0	20	0	86.4	77 - 117				
Methylene chloride	18.42	2.0	20	0	92.1	70 - 127				
Toluene	18.3	1.0	20	0	91.5	77 - 118				
Xylenes, Total	50.19	3.0	60	0	83.6	75 - 122				
Surr: 1,2-Dichloroethane-d4	*52.12*	*1.0*	*50*	*0*	*104*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*46.52*	*1.0*	*50*	*0*	*93.0*	*77 - 113*				
Surr: Dibromofluoromethane	*52.47*	*1.0*	*50*	*0*	*105*	*73 - 126*				
Surr: Toluene-d8	*50.46*	*1.0*	*50*	*0*	*101*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071175

QC BATCH REPORT

Batch ID: R442056 (0) **Instrument: VOA10** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23071175-10MS** Units: **ug/L** Analysis Date: **22-Jul-2023 23:14**
Client ID: **WG-1620-MW65D-20230714** Run ID: **VOA10_442056** SeqNo: **7445005** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.93	1.0	20	0	94.7	70 - 127				
Benzene	17.53	1.0	20	0	87.7	70 - 127				
Chlorobenzene	19.47	1.0	20	0	97.3	70 - 114				
Ethylbenzene	18.64	1.0	20	0	93.2	70 - 124				
Methylene chloride	15.45	2.0	20	0	77.2	70 - 128				
Toluene	19.9	1.0	20	0	99.5	70 - 123				
Xylenes, Total	55.83	3.0	60	0	93.0	70 - 130				
Surr: 1,2-Dichloroethane-d4	*52.12*	*1.0*	*50*	*0*	*104*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*45.4*	*1.0*	*50*	*0*	*90.8*	*77 - 113*				
Surr: Dibromofluoromethane	*51.12*	*1.0*	*50*	*0*	*102*	*77 - 123*				
Surr: Toluene-d8	*52.07*	*1.0*	*50*	*0*	*104*	*82 - 127*				

MSD Sample ID: **HS23071175-10MSD** Units: **ug/L** Analysis Date: **22-Jul-2023 23:35**
Client ID: **WG-1620-MW65D-20230714** Run ID: **VOA10_442056** SeqNo: **7445006** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.97	1.0	20	0	89.9	70 - 127	18.93	5.19	20	
Benzene	16.86	1.0	20	0	84.3	70 - 127	17.53	3.93	20	
Chlorobenzene	18.13	1.0	20	0	90.7	70 - 114	19.47	7.12	20	
Ethylbenzene	17.07	1.0	20	0	85.4	70 - 124	18.64	8.76	20	
Methylene chloride	17.61	2.0	20	0	88.0	70 - 128	15.45	13.1	20	
Toluene	17.68	1.0	20	0	88.4	70 - 123	19.9	11.8	20	
Xylenes, Total	50.84	3.0	60	0	84.7	70 - 130	55.83	9.35	20	
Surr: 1,2-Dichloroethane-d4	*52.45*	*1.0*	*50*	*0*	*105*	*70 - 126*	*52.12*	*0.623*	*20*	
Surr: 4-Bromofluorobenzene	*47.48*	*1.0*	*50*	*0*	*95.0*	*77 - 113*	*45.4*	*4.49*	*20*	
Surr: Dibromofluoromethane	*51.2*	*1.0*	*50*	*0*	*102*	*77 - 123*	*51.12*	*0.159*	*20*	
Surr: Toluene-d8	*51.09*	*1.0*	*50*	*0*	*102*	*82 - 127*	*52.07*	*1.91*	*20*	

The following samples were analyzed in this batch: HS23071175-10

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: **HS23071175**

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	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US Date: 11-Aug-23

Sample Receipt Checklist

Work Order ID: HS23071175 **Date/Time Received:** 18-Jul-2023 10:45

Client Name: PBW **Received by:** Patrick Salome

Completed By: /S/ Nilesh D. Ranchod (eSignature) 21-Jul-2023 10:16 (Date/Time) **Reviewed by:** (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 ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:295419 , 295418
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):	2.5UC/2.4C , 2.5UC/2.4C , 2.7UC/2.96C , 3.8UC/3.7C ,	IR31
Cooler(s)/Kit(s):	48738 , 49347 , 50307 , 48367 ,M 51319	
Date/Time sample(s) sent to storage:	07/18/2023 18:00	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes: Holding time was missed on the first 5 samples on the chain of custody sampled 07/13/23 due to laboratory error.

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 Fo

Page 1 of 2

COC ID: 29541

HS23071175

WSP Golder

Houston TX-Wood Preserving Works 1620-02

ton, WV 68

:80

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	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	Michelle_Hermiston@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-MW27A-20230713	7-13-23	1355	GW		6	X	X	X								
2	WG-1620-MW27C-20230713		1445	GW		6	X	X	X								
3	WG-1620-MW61B-20230713		1550	GW		12	X	X	X		X						
4	WG-1620-MW61A-20230713		1645	GW		6	X	X	X								
5	WG-1620-MW59A-20230713		1745	GW		6	X	X	X								
6	WG-1620-MW59B-20230714	7-14-23	0925	GW		6	X	X	X								
7	WG-1620-MW59D-20230714		1040	GW		6	X	X	X								
8	WG-1620-FD02-20230714		1040	GW		6	X	X	X								
9	WG-1620-MW66D-20230714		1135	GW		6	X	X	X								
10	WG-1620-MW65D-20230714		1250	GW		12	X	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: 7-18-23	Time: 1045	Received by: DW	7/18/23 1045
Relinquished by:	Date:	Time:	Received by (Laboratory):	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Notes: Houston TX-Wood Preserving Works 1620-02

Cooler ID	Cooler Temp.
48738	2.5C
49347	2.5C
50307	2.7C
48307	3.8C
51319	1.8C

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

Chain of Custody For

Page 2 of 2

COC ID: 295418

HS23071175

WSP Golder

Houston TX-Wood Preserving Works 1620-02

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@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-MW36D-20230714	7-14-23	1400	GW		6	X	X	X								
2	WG-1620-MW47C-20230717	7-17-23	0745	GW		6	X	X	X								
3	WG-1620-MW60AR-20230717		0840	GW		6	X	X	X								
4	WG-1620-MW60B-20230717		0925	GW		6	X	X	X								
5	WG-1620-MW47A-20230717		1020	GW		6	X	X	X								
6	WG-1620-MW69A-20230717		1115	GW		6	X	X	X								
7	WG-1620-[redacted]FB07-20230717		1140	GW		6	X	X	X								
8																	
9																	
10																	

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 Hou

Results Due Date:

Relinquished by:	Date: 7-18-23	Time: 1045	Received by: DW 7/18/23 1045	Notes: Houston TX-Wood Preserving Works 1620-02
Relinquished by:	Date:	Time:	Received by (Laboratory):	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.
48738	2.5C
49347	2.5C
50307	2.7C
48367	3.8C
51319	1.8C

QC Package: (Check One Box Below)

☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SVM8/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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August 11, 2023

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS23071416**

Laboratory Results for: **Houston TX-Wood Preserving Works 1620-02**

Dear Eric Matzner,

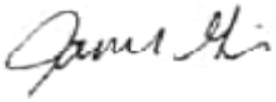
ALS Environmental received 14 sample(s) on Jul 21, 2023 for the analysis presented in the following report.

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
James Guin

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works 1620-02	
WorkOrder:	**HS23071416**	

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.

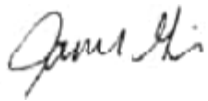
R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

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 1620-02	
WorkOrder:	**HS23071416**	

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.



James Guin

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/11/2023					
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071416					
Reviewer Name: James Guin			Prep Batch Number(s): 198134,198532,R442461,R442566					
#[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				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				3
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/11/2023				
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071416				
Reviewer Name: James Guin			Prep Batch Number(s): 198134,198532,R442461,R442566				
#[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: 08/11/2023
Project Name: Houston TX-Wood Preserving Works 1620-02	Laboratory Job Number: HS23071416
Reviewer Name: James Guin	Prep Batch Number(s): 198134,198532,R442461,R442566

ER#[5]	Description
1	Volatiles Method SW8260, sample WG-1620-MW94A-20230720, surrogate 1,2-Dichloroethane-d4 recovered slightly above the control limit (126.13%) outside of control limits (76-126). However due to our LIMS system rounded to 126 and flagged with the "S" qualifier The associated results are non detect. Volatiles Method SW8260, samples WG-1620-MW70B-20230720, WG-1620-MW32B-20230720, surrogate 4-Bromofluorobenzene recovered above the control limit. This surrogate is not associated with the target compounds. Semivolatiles Method SW8270, samples WG-1620-MW33BR-20230720, WG-1620-MW70B-20230720, WG-1620-MW32B-20230720 the surrogates , the surrogate recoveries could not be determined due to dilution below the calibration range.
2	Batch 198134, Semivolatiles Method SW8270, LCS/LCSD provided as batch quality control in lieu of MS/MSD
3	Batch 198134, Semivolatiles Method SW8270, samples WG-1620-MW33BR-20230720, WG-1620-MW70B-20230720, WG-1620-MW32B-20230720: The GCMS semi-volatile extract of these 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 1620-02
Work Order: HS23071416

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23071416-01	WG-1620-MW38B-20230719	GW		19-Jul-2023 18:05	21-Jul-2023 11:10	☐
HS23071416-02	WG-1620-MW38A-20230720	GW		20-Jul-2023 07:35	21-Jul-2023 11:10	☐
HS23071416-03	WG-1620-MW94A-20230720	GW		20-Jul-2023 08:30	21-Jul-2023 11:10	☐
HS23071416-04	WG-1620-MW33BR-20230720	GW		20-Jul-2023 09:25	21-Jul-2023 11:10	☐
HS23071416-05	WG-1620-MW26A-20230720	GW		20-Jul-2023 10:20	21-Jul-2023 11:10	☐
HS23071416-06	WG-1620-MW33A-20230720	GW		20-Jul-2023 12:20	21-Jul-2023 11:10	☐
HS23071416-07	WG-1620-FD05-20230720	GW		20-Jul-2023 12:20	21-Jul-2023 11:10	☐
HS23071416-08	WG-1620-MW70C-20230720	GW		20-Jul-2023 13:15	21-Jul-2023 11:10	☐
HS23071416-09	WG-1620-MW70B-20230720	GW		20-Jul-2023 14:10	21-Jul-2023 11:10	☐
HS23071416-10	WG-1620-MW32B-20230720	GW		20-Jul-2023 15:05	21-Jul-2023 11:10	☐
HS23071416-11	WG-1620-MW32AR-20230720	GW		20-Jul-2023 15:55	21-Jul-2023 11:10	☐
HS23071416-12	WG-1620-MW71B-20230720	GW		20-Jul-2023 16:50	21-Jul-2023 11:10	☐
HS23071416-13	WG-1620-MW36A-20230720	GW		20-Jul-2023 17:55	21-Jul-2023 11:10	☐
HS23071416-14	WG-1620-TB06-20230720	Water	CG-061323-246	20-Jul-2023 00:00	21-Jul-2023 11:10	☐

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW38B-20230719 Lab ID:HS23071416-01
Collection Date: 19-Jul-2023 18:05 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 04:03
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 04:03
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 04:03
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 04:03
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 04:03
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 04:03
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2023 04:03
Surr: 1,2-Dichloroethane-d4	*125*			*70-126*	*%REC*	*1*	*27-Jul-2023 04:03*
Surr: 4-Bromofluorobenzene	*93.3*			*77-113*	*%REC*	*1*	*27-Jul-2023 04:03*
Surr: Dibromofluoromethane	*106*			*77-123*	*%REC*	*1*	*27-Jul-2023 04:03*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*27-Jul-2023 04:03*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW38B-20230719
Collection Date: 19-Jul-2023 18:05

ANALYTICAL REPORT
WorkOrder:HS23071416
Lab ID:HS23071416-01
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	**0.000048**	J	**0.000021**	**0.00020**	**mg/L**	1	09-Aug-2023 14:28
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	09-Aug-2023 14:28
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	09-Aug-2023 14:28
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	09-Aug-2023 14:28
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2023 14:28
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2023 14:28
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	09-Aug-2023 14:28
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	09-Aug-2023 14:28
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	09-Aug-2023 14:28
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	09-Aug-2023 14:28
Anthracene	**0.000036**	J	**0.000014**	**0.00010**	**mg/L**	1	09-Aug-2023 14:28
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	09-Aug-2023 14:28
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2023 14:28
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	09-Aug-2023 14:28
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	09-Aug-2023 14:28
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2023 14:28
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	09-Aug-2023 14:28
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2023 14:28
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	09-Aug-2023 14:28
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	09-Aug-2023 14:28
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	09-Aug-2023 14:28
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2023 14:28
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	09-Aug-2023 14:28
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	09-Aug-2023 14:28
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2023 14:28
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	09-Aug-2023 14:28
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2023 14:28
Surr: 2,4,6-Tribromophenol	*64.4*			*34-129*	*%REC*	*1*	*09-Aug-2023 14:28*
Surr: 2-Fluorobiphenyl	*56.8*			*40-125*	*%REC*	*1*	*09-Aug-2023 14:28*
Surr: 2-Fluorophenol	*42.7*			*20-120*	*%REC*	*1*	*09-Aug-2023 14:28*
Surr: 4-Terphenyl-d14	*83.1*			*40-135*	*%REC*	*1*	*09-Aug-2023 14:28*
Surr: Nitrobenzene-d5	*49.9*			*41-120*	*%REC*	*1*	*09-Aug-2023 14:28*
Surr: Phenol-d6	*48.3*			*20-120*	*%REC*	*1*	*09-Aug-2023 14:28*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2023		Analyst: JC
Arsenic	**0.00343**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2023 13:35

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW38A-20230720 Lab ID:HS23071416-02
Collection Date: 20-Jul-2023 07:35 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 05:06
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 05:06
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 05:06
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 05:06
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 05:06
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 05:06
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2023 05:06
Surr: 1,2-Dichloroethane-d4	*123*			*70-126*	*%REC*	*1*	*27-Jul-2023 05:06*
Surr: 4-Bromofluorobenzene	*97.8*			*77-113*	*%REC*	*1*	*27-Jul-2023 05:06*
Surr: Dibromofluoromethane	*107*			*77-123*	*%REC*	*1*	*27-Jul-2023 05:06*
Surr: Toluene-d8	*107*			*82-127*	*%REC*	*1*	*27-Jul-2023 05:06*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW38A-20230720 Lab ID:HS23071416-02
Collection Date: 20-Jul-2023 07:35 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 21:48
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2023 21:48
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2023 21:48
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2023 21:48
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 21:48
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2023 21:48
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2023 21:48
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2023 21:48
Acenaphthene	**0.0023**		**0.000027**	**0.00010**	**mg/L**	1	03-Aug-2023 21:48
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2023 21:48
Anthracene	**0.000057**	J	**0.000014**	**0.00010**	**mg/L**	1	03-Aug-2023 21:48
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2023 21:48
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 21:48
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2023 21:48
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2023 21:48
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 21:48
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2023 21:48
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 21:48
Fluoranthene	**0.000066**	J	**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2023 21:48
Fluorene	**0.00038**		**0.000030**	**0.00010**	**mg/L**	1	03-Aug-2023 21:48
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2023 21:48
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 21:48
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2023 21:48
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2023 21:48
Phenanthrene	**0.000046**	J	**0.000021**	**0.00010**	**mg/L**	1	03-Aug-2023 21:48
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2023 21:48
Pyrene	**0.000072**	J	**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2023 21:48
Surr: 2,4,6-Tribromophenol	*53.6*			*34-129*	*%REC*	*1*	*03-Aug-2023 21:48*
Surr: 2-Fluorobiphenyl	*50.4*			*40-125*	*%REC*	*1*	*03-Aug-2023 21:48*
Surr: 2-Fluorophenol	*39.0*			*20-120*	*%REC*	*1*	*03-Aug-2023 21:48*
Surr: 4-Terphenyl-d14	*69.5*			*40-135*	*%REC*	*1*	*03-Aug-2023 21:48*
Surr: Nitrobenzene-d5	*44.9*			*41-120*	*%REC*	*1*	*03-Aug-2023 21:48*
Surr: Phenol-d6	*44.6*			*20-120*	*%REC*	*1*	*03-Aug-2023 21:48*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2023		Analyst: JC
Arsenic	**0.0185**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2023 13:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW94A-20230720 Lab ID:HS23071416-03
Collection Date: 20-Jul-2023 08:30 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 05:27
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 05:27
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 05:27
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 05:27
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 05:27
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 05:27
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2023 05:27
Surr: 1,2-Dichloroethane-d4	*126*	*S*		*70-126*	*%REC*	*1*	*27-Jul-2023 05:27*
Surr: 4-Bromofluorobenzene	*94.0*			*77-113*	*%REC*	*1*	*27-Jul-2023 05:27*
Surr: Dibromofluoromethane	*107*			*77-123*	*%REC*	*1*	*27-Jul-2023 05:27*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*27-Jul-2023 05:27*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW94A-20230720 Lab ID:HS23071416-03
Collection Date: 20-Jul-2023 08:30 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 26-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 22:11
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2023 22:11
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2023 22:11
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2023 22:11
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 22:11
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2023 22:11
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2023 22:11
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2023 22:11
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2023 22:11
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2023 22:11
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2023 22:11
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2023 22:11
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 22:11
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2023 22:11
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2023 22:11
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 22:11
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2023 22:11
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 22:11
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	03-Aug-2023 22:11
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2023 22:11
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2023 22:11
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 22:11
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2023 22:11
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2023 22:11
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 22:11
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2023 22:11
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2023 22:11
Surr: 2,4,6-Tribromophenol	*87.5*			*34-129*	*%REC*	*1*	*03-Aug-2023 22:11*
Surr: 2-Fluorobiphenyl	*93.6*			*40-125*	*%REC*	*1*	*03-Aug-2023 22:11*
Surr: 2-Fluorophenol	*76.0*			*20-120*	*%REC*	*1*	*03-Aug-2023 22:11*
Surr: 4-Terphenyl-d14	*106*			*40-135*	*%REC*	*1*	*03-Aug-2023 22:11*
Surr: Nitrobenzene-d5	*81.5*			*41-120*	*%REC*	*1*	*03-Aug-2023 22:11*
Surr: Phenol-d6	*82.5*			*20-120*	*%REC*	*1*	*03-Aug-2023 22:11*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 03-Aug-2023		Analyst: JC
Arsenic	**0.00931**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2023 13:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW33BR-20230720 Lab ID:HS23071416-04
Collection Date: 20-Jul-2023 09:25 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 05:48
Benzene	**0.48**		**0.0020**	**0.010**	**mg/L**	10	27-Jul-2023 20:12
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 05:48
Ethylbenzene	**0.16**		**0.00030**	**0.0010**	**mg/L**	1	27-Jul-2023 05:48
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 05:48
Toluene	**0.014**		**0.00020**	**0.0010**	**mg/L**	1	27-Jul-2023 05:48
Xylenes, Total	**0.066**		**0.00030**	**0.0030**	**mg/L**	1	27-Jul-2023 05:48
Surr: 1,2-Dichloroethane-d4	*121*			*70-126*	*%REC*	*1*	*27-Jul-2023 05:48*
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*10*	*27-Jul-2023 20:12*
Surr: 4-Bromofluorobenzene	*107*			*77-113*	*%REC*	*1*	*27-Jul-2023 05:48*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*10*	*27-Jul-2023 20:12*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*27-Jul-2023 05:48*
Surr: Dibromofluoromethane	*97.1*			*77-123*	*%REC*	*10*	*27-Jul-2023 20:12*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*27-Jul-2023 05:48*
Surr: Toluene-d8	*107*			*82-127*	*%REC*	*10*	*27-Jul-2023 20:12*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW33BR-20230720
Collection Date: 20-Jul-2023 09:25

ANALYTICAL REPORT
WorkOrder:HS23071416
Lab ID:HS23071416-04
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	09-Aug-2023 14:51
2,4-Dimethylphenol	**0.0023**		**0.00040**	**0.0020**	**mg/L**	10	09-Aug-2023 14:51
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	09-Aug-2023 14:51
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	09-Aug-2023 14:51
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	09-Aug-2023 14:51
2-Methylnaphthalene	**0.035**		**0.00019**	**0.0010**	**mg/L**	10	09-Aug-2023 14:51
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	09-Aug-2023 14:51
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	09-Aug-2023 14:51
Acenaphthene	**0.013**		**0.00027**	**0.0010**	**mg/L**	10	09-Aug-2023 14:51
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	09-Aug-2023 14:51
Anthracene	**0.00100**	J	**0.00014**	**0.0010**	**mg/L**	10	09-Aug-2023 14:51
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	09-Aug-2023 14:51
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	09-Aug-2023 14:51
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	09-Aug-2023 14:51
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	09-Aug-2023 14:51
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	09-Aug-2023 14:51
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	09-Aug-2023 14:51
Dibenzofuran	**0.017**		**0.00020**	**0.0010**	**mg/L**	10	09-Aug-2023 14:51
Fluoranthene	**0.00098**	J	**0.00010**	**0.0010**	**mg/L**	10	09-Aug-2023 14:51
Fluorene	**0.0073**		**0.00030**	**0.0010**	**mg/L**	10	09-Aug-2023 14:51
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	09-Aug-2023 14:51
Naphthalene	**0.75**		**0.0020**	**0.010**	**mg/L**	100	09-Aug-2023 15:14
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	09-Aug-2023 14:51
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	09-Aug-2023 14:51
Phenanthrene	**0.0087**		**0.00021**	**0.0010**	**mg/L**	10	09-Aug-2023 14:51
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	09-Aug-2023 14:51
Pyrene	**0.00060**	J	**0.00019**	**0.0010**	**mg/L**	10	09-Aug-2023 14:51
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*09-Aug-2023 15:14*
Surr: 2,4,6-Tribromophenol	*56.9*			*34-129*	*%REC*	*10*	*09-Aug-2023 14:51*
Surr: 2-Fluorobiphenyl	*51.2*			*40-125*	*%REC*	*10*	*09-Aug-2023 14:51*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*09-Aug-2023 15:14*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 15:14*
Surr: 2-Fluorophenol	*45.2*			*20-120*	*%REC*	*10*	*09-Aug-2023 14:51*
Surr: 4-Terphenyl-d14	*68.7*			*40-135*	*%REC*	*10*	*09-Aug-2023 14:51*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*09-Aug-2023 15:14*
Surr: Nitrobenzene-d5	*46.7*			*41-120*	*%REC*	*10*	*09-Aug-2023 14:51*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*09-Aug-2023 15:14*
Surr: Phenol-d6	*44.5*			*20-120*	*%REC*	*10*	*09-Aug-2023 14:51*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 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 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW33BR-20230720 Lab ID:HS23071416-04
Collection Date: 20-Jul-2023 09:25 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 03-Aug-2023		Analyst: JC
Arsenic	**0.00125**	J	**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2023 13:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW26A-20230720 Lab ID:HS23071416-05
Collection Date: 20-Jul-2023 10:20 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 06:09
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 06:09
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 06:09
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 06:09
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 06:09
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 06:09
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2023 06:09
Surr: 1,2-Dichloroethane-d4	*115*			*70-126*	*%REC*	*1*	*27-Jul-2023 06:09*
Surr: 4-Bromofluorobenzene	*95.7*			*77-113*	*%REC*	*1*	*27-Jul-2023 06:09*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*27-Jul-2023 06:09*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*27-Jul-2023 06:09*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW26A-20230720 Lab ID:HS23071416-05
Collection Date: 20-Jul-2023 10:20 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 22:58
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2023 22:58
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2023 22:58
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2023 22:58
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 22:58
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2023 22:58
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2023 22:58
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2023 22:58
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2023 22:58
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2023 22:58
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2023 22:58
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2023 22:58
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 22:58
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2023 22:58
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2023 22:58
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 22:58
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2023 22:58
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 22:58
Fluoranthene	**0.000059**	J	**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2023 22:58
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2023 22:58
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2023 22:58
Naphthalene	**0.00014**		**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2023 22:58
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2023 22:58
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2023 22:58
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 22:58
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2023 22:58
Pyrene	**0.000032**	J	**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2023 22:58
Surr: 2,4,6-Tribromophenol	*54.7*			*34-129*	*%REC*	*1*	*03-Aug-2023 22:58*
Surr: 2-Fluorobiphenyl	*62.2*			*40-125*	*%REC*	*1*	*03-Aug-2023 22:58*
Surr: 2-Fluorophenol	*50.0*			*20-120*	*%REC*	*1*	*03-Aug-2023 22:58*
Surr: 4-Terphenyl-d14	*70.2*			*40-135*	*%REC*	*1*	*03-Aug-2023 22:58*
Surr: Nitrobenzene-d5	*55.0*			*41-120*	*%REC*	*1*	*03-Aug-2023 22:58*
Surr: Phenol-d6	*55.2*			*20-120*	*%REC*	*1*	*03-Aug-2023 22:58*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2023		Analyst: JC
Arsenic	**0.128**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2023 13:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW33A-20230720 Lab ID:HS23071416-06
Collection Date: 20-Jul-2023 12:20 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 06:30
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 06:30
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 06:30
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 06:30
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 06:30
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 06:30
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2023 06:30
Surr: 1,2-Dichloroethane-d4	*120*			*70-126*	*%REC*	*1*	*27-Jul-2023 06:30*
Surr: 4-Bromofluorobenzene	*95.8*			*77-113*	*%REC*	*1*	*27-Jul-2023 06:30*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*27-Jul-2023 06:30*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*27-Jul-2023 06:30*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW33A-20230720 Lab ID:HS23071416-06
Collection Date: 20-Jul-2023 12:20 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 23:21
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	03-Aug-2023 23:21
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2023 23:21
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2023 23:21
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 23:21
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2023 23:21
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2023 23:21
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2023 23:21
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2023 23:21
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2023 23:21
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2023 23:21
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2023 23:21
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 23:21
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2023 23:21
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	03-Aug-2023 23:21
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 23:21
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2023 23:21
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 23:21
Fluoranthene	**0.000030**	J	**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2023 23:21
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2023 23:21
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2023 23:21
Naphthalene	**0.000061**	J	**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2023 23:21
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2023 23:21
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2023 23:21
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 23:21
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2023 23:21
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2023 23:21
Surr: 2,4,6-Tribromophenol	*53.9*			*34-129*	*%REC*	*1*	*03-Aug-2023 23:21*
Surr: 2-Fluorobiphenyl	*54.6*			*40-125*	*%REC*	*1*	*03-Aug-2023 23:21*
Surr: 2-Fluorophenol	*43.8*			*20-120*	*%REC*	*1*	*03-Aug-2023 23:21*
Surr: 4-Terphenyl-d14	*76.2*			*40-135*	*%REC*	*1*	*03-Aug-2023 23:21*
Surr: Nitrobenzene-d5	*49.0*			*41-120*	*%REC*	*1*	*03-Aug-2023 23:21*
Surr: Phenol-d6	*48.0*			*20-120*	*%REC*	*1*	*03-Aug-2023 23:21*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2023		Analyst: JC
Arsenic	**0.0253**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2023 13:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-FD05-20230720 Lab ID:HS23071416-07
Collection Date: 20-Jul-2023 12:20 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 06:51
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 06:51
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 06:51
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 06:51
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 06:51
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 06:51
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2023 06:51
Surr: 1,2-Dichloroethane-d4	*117*			*70-126*	*%REC*	*1*	*27-Jul-2023 06:51*
Surr: 4-Bromofluorobenzene	*98.6*			*77-113*	*%REC*	*1*	*27-Jul-2023 06:51*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*27-Jul-2023 06:51*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*27-Jul-2023 06:51*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-FD05-20230720
Collection Date: 20-Jul-2023 12:20

ANALYTICAL REPORT
WorkOrder:HS23071416
Lab ID:HS23071416-07
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 26-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 23:44
2,4-Dimethylphenol	**0.000049**	J	**0.000040**	**0.00020**	**mg/L**	1	03-Aug-2023 23:44
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	03-Aug-2023 23:44
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	03-Aug-2023 23:44
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	03-Aug-2023 23:44
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	03-Aug-2023 23:44
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	03-Aug-2023 23:44
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	03-Aug-2023 23:44
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	03-Aug-2023 23:44
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	03-Aug-2023 23:44
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	03-Aug-2023 23:44
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	03-Aug-2023 23:44
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 23:44
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	03-Aug-2023 23:44
Bis(2-ethylhexyl)phthalate	**0.000052**	J	**0.000037**	**0.00020**	**mg/L**	1	03-Aug-2023 23:44
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 23:44
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	03-Aug-2023 23:44
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	03-Aug-2023 23:44
Fluoranthene	**0.00017**		**0.000010**	**0.00010**	**mg/L**	1	03-Aug-2023 23:44
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	03-Aug-2023 23:44
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	03-Aug-2023 23:44
Naphthalene	**0.000055**	J	**0.000020**	**0.00010**	**mg/L**	1	03-Aug-2023 23:44
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	03-Aug-2023 23:44
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	03-Aug-2023 23:44
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	03-Aug-2023 23:44
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	03-Aug-2023 23:44
Pyrene	**0.00035**		**0.000019**	**0.00010**	**mg/L**	1	03-Aug-2023 23:44
Surr: 2,4,6-Tribromophenol	*59.7*			*34-129*	*%REC*	*1*	*03-Aug-2023 23:44*
Surr: 2-Fluorobiphenyl	*66.3*			*40-125*	*%REC*	*1*	*03-Aug-2023 23:44*
Surr: 2-Fluorophenol	*52.7*			*20-120*	*%REC*	*1*	*03-Aug-2023 23:44*
Surr: 4-Terphenyl-d14	*81.4*			*40-135*	*%REC*	*1*	*03-Aug-2023 23:44*
Surr: Nitrobenzene-d5	*58.5*			*41-120*	*%REC*	*1*	*03-Aug-2023 23:44*
Surr: Phenol-d6	*58.5*			*20-120*	*%REC*	*1*	*03-Aug-2023 23:44*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 03-Aug-2023		Analyst: JC
Arsenic	**0.00973**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2023 13:45

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW70C-20230720 Lab ID:HS23071416-08
Collection Date: 20-Jul-2023 13:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 07:12
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 07:12
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 07:12
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 07:12
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 07:12
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 07:12
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2023 07:12
Surr: 1,2-Dichloroethane-d4	*124*			*70-126*	*%REC*	*1*	*27-Jul-2023 07:12*
Surr: 4-Bromofluorobenzene	*94.5*			*77-113*	*%REC*	*1*	*27-Jul-2023 07:12*
Surr: Dibromofluoromethane	*111*			*77-123*	*%REC*	*1*	*27-Jul-2023 07:12*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*27-Jul-2023 07:12*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW70C-20230720 Lab ID:HS23071416-08
Collection Date: 20-Jul-2023 13:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2023 15:37
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	09-Aug-2023 15:37
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	09-Aug-2023 15:37
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	09-Aug-2023 15:37
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2023 15:37
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2023 15:37
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	09-Aug-2023 15:37
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	09-Aug-2023 15:37
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	09-Aug-2023 15:37
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	09-Aug-2023 15:37
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	09-Aug-2023 15:37
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	09-Aug-2023 15:37
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2023 15:37
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	09-Aug-2023 15:37
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	09-Aug-2023 15:37
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2023 15:37
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	09-Aug-2023 15:37
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2023 15:37
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	09-Aug-2023 15:37
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	09-Aug-2023 15:37
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	09-Aug-2023 15:37
Naphthalene	**0.000028**	J	**0.000020**	**0.00010**	**mg/L**	1	09-Aug-2023 15:37
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	09-Aug-2023 15:37
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	09-Aug-2023 15:37
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2023 15:37
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	09-Aug-2023 15:37
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2023 15:37
Surr: 2,4,6-Tribromophenol	*56.5*			*34-129*	*%REC*	*1*	*09-Aug-2023 15:37*
Surr: 2-Fluorobiphenyl	*59.4*			*40-125*	*%REC*	*1*	*09-Aug-2023 15:37*
Surr: 2-Fluorophenol	*44.4*			*20-120*	*%REC*	*1*	*09-Aug-2023 15:37*
Surr: 4-Terphenyl-d14	*75.5*			*40-135*	*%REC*	*1*	*09-Aug-2023 15:37*
Surr: Nitrobenzene-d5	*52.6*			*41-120*	*%REC*	*1*	*09-Aug-2023 15:37*
Surr: Phenol-d6	*50.2*			*20-120*	*%REC*	*1*	*09-Aug-2023 15:37*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2023		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	06-Aug-2023 13:52

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW70B-20230720 Lab ID:HS23071416-09
Collection Date: 20-Jul-2023 14:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 07:33
Benzene	**2.0**		**0.020**	**0.10**	**mg/L**	100	27-Jul-2023 20:33
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 07:33
Ethylbenzene	**0.39**		**0.030**	**0.10**	**mg/L**	100	27-Jul-2023 20:33
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 07:33
Toluene	**1.9**		**0.020**	**0.10**	**mg/L**	100	27-Jul-2023 20:33
Xylenes, Total	**1.0**		**0.030**	**0.30**	**mg/L**	100	27-Jul-2023 20:33
Surr: 1,2-Dichloroethane-d4	*119*			*70-126*	*%REC*	*1*	*27-Jul-2023 07:33*
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*100*	*27-Jul-2023 20:33*
Surr: 4-Bromofluorobenzene	*115*	*S*		*77-113*	*%REC*	*1*	*27-Jul-2023 07:33*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*100*	*27-Jul-2023 20:33*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*27-Jul-2023 07:33*
Surr: Dibromofluoromethane	*94.3*			*77-123*	*%REC*	*100*	*27-Jul-2023 20:33*
Surr: Toluene-d8	*98.6*			*82-127*	*%REC*	*1*	*27-Jul-2023 07:33*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*100*	*27-Jul-2023 20:33*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW70B-20230720 Lab ID:HS23071416-09
Collection Date: 20-Jul-2023 14:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	04-Aug-2023 21:52
2,4-Dimethylphenol	**13**		**0.40**	**2.0**	**mg/L**	10000	09-Aug-2023 16:00
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	04-Aug-2023 21:52
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	04-Aug-2023 21:52
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	04-Aug-2023 21:52
2-Methylnaphthalene	**0.84**		**0.0019**	**0.010**	**mg/L**	100	04-Aug-2023 21:52
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	04-Aug-2023 21:52
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	04-Aug-2023 21:52
Acenaphthene	**0.38**		**0.0027**	**0.010**	**mg/L**	100	04-Aug-2023 21:52
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	04-Aug-2023 21:52
Anthracene	**0.16**		**0.0014**	**0.010**	**mg/L**	100	04-Aug-2023 21:52
Benz(a)anthracene	**0.025**		**0.0050**	**0.010**	**mg/L**	100	04-Aug-2023 21:52
Benzo(a)pyrene	**0.0066**	J	**0.0020**	**0.010**	**mg/L**	100	04-Aug-2023 21:52
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	04-Aug-2023 21:52
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	04-Aug-2023 21:52
Chrysene	**0.023**		**0.0021**	**0.010**	**mg/L**	100	04-Aug-2023 21:52
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	04-Aug-2023 21:52
Dibenzofuran	**0.35**		**0.0020**	**0.010**	**mg/L**	100	04-Aug-2023 21:52
Fluoranthene	**0.21**		**0.0010**	**0.010**	**mg/L**	100	04-Aug-2023 21:52
Fluorene	**0.32**		**0.0030**	**0.010**	**mg/L**	100	04-Aug-2023 21:52
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	04-Aug-2023 21:52
Naphthalene	**9.1**		**0.020**	**0.10**	**mg/L**	1000	04-Aug-2023 21:29
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	04-Aug-2023 21:52
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	04-Aug-2023 21:52
Phenanthrene	**0.65**		**0.0021**	**0.010**	**mg/L**	100	04-Aug-2023 21:52
Phenol	**0.73**		**0.0035**	**0.020**	**mg/L**	100	04-Aug-2023 21:52
Pyrene	**0.13**		**0.0019**	**0.010**	**mg/L**	100	04-Aug-2023 21:52
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*04-Aug-2023 21:29*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*04-Aug-2023 21:52*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*10000*	*09-Aug-2023 16:00*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*10000*	*09-Aug-2023 16:00*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*04-Aug-2023 21:29*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*04-Aug-2023 21:52*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*04-Aug-2023 21:29*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*04-Aug-2023 21:52*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*10000*	*09-Aug-2023 16:00*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*10000*	*09-Aug-2023 16:00*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*04-Aug-2023 21:29*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*04-Aug-2023 21:52*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW70B-20230720 Lab ID:HS23071416-09
Collection Date: 20-Jul-2023 14:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 26-Jul-2023		Analyst: MBG
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*04-Aug-2023 21:29*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*04-Aug-2023 21:52*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*10000*	*09-Aug-2023 16:00*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*10000*	*09-Aug-2023 16:00*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*04-Aug-2023 21:29*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*04-Aug-2023 21:52*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 03-Aug-2023		Analyst: JC
Arsenic	**0.00307**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2023 14:03

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW32B-20230720 Lab ID:HS23071416-10
Collection Date: 20-Jul-2023 15:05 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 07:54
Benzene	**2.7**		**0.020**	**0.10**	**mg/L**	100	27-Jul-2023 20:54
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 07:54
Ethylbenzene	**0.46**		**0.030**	**0.10**	**mg/L**	100	27-Jul-2023 20:54
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 07:54
Toluene	**2.2**		**0.020**	**0.10**	**mg/L**	100	27-Jul-2023 20:54
Xylenes, Total	**1.2**		**0.030**	**0.30**	**mg/L**	100	27-Jul-2023 20:54
Surr: 1,2-Dichloroethane-d4	*116*			*70-126*	*%REC*	*1*	*27-Jul-2023 07:54*
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*100*	*27-Jul-2023 20:54*
Surr: 4-Bromofluorobenzene	*118*	*S*		*77-113*	*%REC*	*1*	*27-Jul-2023 07:54*
Surr: 4-Bromofluorobenzene	*99.7*			*77-113*	*%REC*	*100*	*27-Jul-2023 20:54*
Surr: Dibromofluoromethane	*94.9*			*77-123*	*%REC*	*1*	*27-Jul-2023 07:54*
Surr: Dibromofluoromethane	*89.2*			*77-123*	*%REC*	*100*	*27-Jul-2023 20:54*
Surr: Toluene-d8	*91.6*			*82-127*	*%REC*	*1*	*27-Jul-2023 07:54*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*100*	*27-Jul-2023 20:54*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW32B-20230720
Collection Date: 20-Jul-2023 15:05

ANALYTICAL REPORT
WorkOrder:HS23071416
Lab ID:HS23071416-10
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	04-Aug-2023 22:38
2,4-Dimethylphenol	**11**		**0.40**	**2.0**	**mg/L**	10000	09-Aug-2023 16:23
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	04-Aug-2023 22:38
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	04-Aug-2023 22:38
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	04-Aug-2023 22:38
2-Methylnaphthalene	**0.68**		**0.0019**	**0.010**	**mg/L**	100	04-Aug-2023 22:38
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	04-Aug-2023 22:38
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	04-Aug-2023 22:38
Acenaphthene	**0.23**		**0.0027**	**0.010**	**mg/L**	100	04-Aug-2023 22:38
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	04-Aug-2023 22:38
Anthracene	**0.086**		**0.0014**	**0.010**	**mg/L**	100	04-Aug-2023 22:38
Benz(a)anthracene	**0.013**		**0.0050**	**0.010**	**mg/L**	100	04-Aug-2023 22:38
Benzo(a)pyrene	**0.0031**	J	**0.0020**	**0.010**	**mg/L**	100	04-Aug-2023 22:38
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	04-Aug-2023 22:38
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	04-Aug-2023 22:38
Chrysene	**0.011**		**0.0021**	**0.010**	**mg/L**	100	04-Aug-2023 22:38
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	04-Aug-2023 22:38
Dibenzofuran	**0.25**		**0.0020**	**0.010**	**mg/L**	100	04-Aug-2023 22:38
Fluoranthene	**0.100**		**0.0010**	**0.010**	**mg/L**	100	04-Aug-2023 22:38
Fluorene	**0.17**		**0.0030**	**0.010**	**mg/L**	100	04-Aug-2023 22:38
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	04-Aug-2023 22:38
Naphthalene	**9.2**		**0.020**	**0.10**	**mg/L**	1000	04-Aug-2023 22:15
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	04-Aug-2023 22:38
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	04-Aug-2023 22:38
Phenanthrene	**0.34**		**0.0021**	**0.010**	**mg/L**	100	04-Aug-2023 22:38
Phenol	**9.8**		**0.35**	**2.0**	**mg/L**	10000	09-Aug-2023 16:23
Pyrene	**0.058**		**0.0019**	**0.010**	**mg/L**	100	04-Aug-2023 22:38
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*04-Aug-2023 22:15*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*04-Aug-2023 22:38*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*10000*	*09-Aug-2023 16:23*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*10000*	*09-Aug-2023 16:23*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*04-Aug-2023 22:15*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*04-Aug-2023 22:38*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*04-Aug-2023 22:15*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*04-Aug-2023 22:38*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*10000*	*09-Aug-2023 16:23*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*10000*	*09-Aug-2023 16:23*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*04-Aug-2023 22:15*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*04-Aug-2023 22:38*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW32B-20230720 Lab ID:HS23071416-10
Collection Date: 20-Jul-2023 15:05 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 26-Jul-2023		Analyst: MBG
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*04-Aug-2023 22:15*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*04-Aug-2023 22:38*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*10000*	*09-Aug-2023 16:23*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*10000*	*09-Aug-2023 16:23*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*04-Aug-2023 22:15*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*04-Aug-2023 22:38*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 03-Aug-2023		Analyst: JC
Arsenic	**0.00197**	J	**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2023 14:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW32AR-20230720 Lab ID:HS23071416-11
Collection Date: 20-Jul-2023 15:55 Matrix:GW

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	28-Jul-2023 02:51
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 02:51
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 02:51
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 02:51
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 02:51
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 02:51
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	28-Jul-2023 02:51
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*28-Jul-2023 02:51*
Surr: 4-Bromofluorobenzene	*96.4*			*77-113*	*%REC*	*1*	*28-Jul-2023 02:51*
Surr: Dibromofluoromethane	*97.8*			*77-123*	*%REC*	*1*	*28-Jul-2023 02:51*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*28-Jul-2023 02:51*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW32AR-20230720 Lab ID:HS23071416-11
Collection Date: 20-Jul-2023 15:55 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 23:01
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 23:01
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 23:01
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 23:01
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 23:01
2-Methylnaphthalene	**0.0018**		**0.000019**	**0.00010**	**mg/L**	1	04-Aug-2023 23:01
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 23:01
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 23:01
Acenaphthene	**0.0023**		**0.000027**	**0.00010**	**mg/L**	1	04-Aug-2023 23:01
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 23:01
Anthracene	**0.0012**		**0.000014**	**0.00010**	**mg/L**	1	04-Aug-2023 23:01
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 23:01
Benzo(a)pyrene	**0.000029**	J	**0.000020**	**0.00010**	**mg/L**	1	04-Aug-2023 23:01
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 23:01
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 23:01
Chrysene	**0.00012**		**0.000021**	**0.00010**	**mg/L**	1	04-Aug-2023 23:01
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 23:01
Dibenzofuran	**0.0020**		**0.000020**	**0.00010**	**mg/L**	1	04-Aug-2023 23:01
Fluoranthene	**0.0019**		**0.000010**	**0.00010**	**mg/L**	1	04-Aug-2023 23:01
Fluorene	**0.0022**		**0.000030**	**0.00010**	**mg/L**	1	04-Aug-2023 23:01
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 23:01
Naphthalene	**0.0013**		**0.000020**	**0.00010**	**mg/L**	1	04-Aug-2023 23:01
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 23:01
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 23:01
Phenanthrene	**0.0057**		**0.000021**	**0.00010**	**mg/L**	1	04-Aug-2023 23:01
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 23:01
Pyrene	**0.0012**		**0.000019**	**0.00010**	**mg/L**	1	04-Aug-2023 23:01
Surr: 2,4,6-Tribromophenol	*81.4*			*34-129*	*%REC*	*1*	*04-Aug-2023 23:01*
Surr: 2-Fluorobiphenyl	*98.6*			*40-125*	*%REC*	*1*	*04-Aug-2023 23:01*
Surr: 2-Fluorophenol	*106*			*20-120*	*%REC*	*1*	*04-Aug-2023 23:01*
Surr: 4-Terphenyl-d14	*116*			*40-135*	*%REC*	*1*	*04-Aug-2023 23:01*
Surr: Nitrobenzene-d5	*62.6*			*41-120*	*%REC*	*1*	*04-Aug-2023 23:01*
Surr: Phenol-d6	*115*			*20-120*	*%REC*	*1*	*04-Aug-2023 23:01*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2023		Analyst: JC
Arsenic	**0.0234**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2023 13:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW71B-20230720 Lab ID:HS23071416-12
Collection Date: 20-Jul-2023 16:50 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 08:36
Benzene	**0.010**		**0.00020**	**0.0010**	**mg/L**	1	27-Jul-2023 08:36
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 08:36
Ethylbenzene	**0.00098**	J	**0.00030**	**0.0010**	**mg/L**	1	27-Jul-2023 08:36
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 08:36
Toluene	**0.0013**		**0.00020**	**0.0010**	**mg/L**	1	27-Jul-2023 08:36
Xylenes, Total	**0.0018**	J	**0.00030**	**0.0030**	**mg/L**	1	27-Jul-2023 08:36
Surr: 1,2-Dichloroethane-d4	*116*			*70-126*	*%REC*	*1*	*27-Jul-2023 08:36*
Surr: 4-Bromofluorobenzene	*106*			*77-113*	*%REC*	*1*	*27-Jul-2023 08:36*
Surr: Dibromofluoromethane	*97.2*			*77-123*	*%REC*	*1*	*27-Jul-2023 08:36*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*27-Jul-2023 08:36*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW71B-20230720
Collection Date: 20-Jul-2023 16:50

ANALYTICAL REPORT
WorkOrder:HS23071416
Lab ID:HS23071416-12
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2023 16:32
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	10-Aug-2023 16:32
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	10-Aug-2023 16:32
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	10-Aug-2023 16:32
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2023 16:32
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2023 16:32
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	10-Aug-2023 16:32
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	10-Aug-2023 16:32
Acenaphthene	**0.00042**		**0.000027**	**0.00010**	**mg/L**	1	10-Aug-2023 16:32
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	10-Aug-2023 16:32
Anthracene	**0.00010**		**0.000014**	**0.00010**	**mg/L**	1	10-Aug-2023 16:32
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	10-Aug-2023 16:32
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2023 16:32
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	10-Aug-2023 16:32
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	10-Aug-2023 16:32
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2023 16:32
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	10-Aug-2023 16:32
Dibenzofuran	**0.00021**		**0.000020**	**0.00010**	**mg/L**	1	10-Aug-2023 16:32
Fluoranthene	**0.00018**		**0.000010**	**0.00010**	**mg/L**	1	10-Aug-2023 16:32
Fluorene	**0.00024**		**0.000030**	**0.00010**	**mg/L**	1	10-Aug-2023 16:32
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	10-Aug-2023 16:32
Naphthalene	**0.000048**	J	**0.000020**	**0.00010**	**mg/L**	1	10-Aug-2023 16:32
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	10-Aug-2023 16:32
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	10-Aug-2023 16:32
Phenanthrene	**0.000082**	J	**0.000021**	**0.00010**	**mg/L**	1	10-Aug-2023 16:32
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	10-Aug-2023 16:32
Pyrene	**0.00012**		**0.000019**	**0.00010**	**mg/L**	1	10-Aug-2023 16:32
Surr: 2,4,6-Tribromophenol	*64.5*			*34-129*	*%REC*	*1*	*10-Aug-2023 16:32*
Surr: 2-Fluorobiphenyl	*58.2*			*40-125*	*%REC*	*1*	*10-Aug-2023 16:32*
Surr: 2-Fluorophenol	*47.9*			*20-120*	*%REC*	*1*	*10-Aug-2023 16:32*
Surr: 4-Terphenyl-d14	*77.2*			*40-135*	*%REC*	*1*	*10-Aug-2023 16:32*
Surr: Nitrobenzene-d5	*52.8*			*41-120*	*%REC*	*1*	*10-Aug-2023 16:32*
Surr: Phenol-d6	*52.0*			*20-120*	*%REC*	*1*	*10-Aug-2023 16:32*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2023		Analyst: JC
Arsenic	**0.000639**	J	**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2023 14:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW36A-20230720 Lab ID:HS23071416-13
Collection Date: 20-Jul-2023 17:55 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 08:57
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 08:57
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 08:57
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 08:57
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 08:57
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 08:57
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2023 08:57
Surr: 1,2-Dichloroethane-d4	*116*			*70-126*	*%REC*	*1*	*27-Jul-2023 08:57*
Surr: 4-Bromofluorobenzene	*105*			*77-113*	*%REC*	*1*	*27-Jul-2023 08:57*
Surr: Dibromofluoromethane	*97.4*			*77-123*	*%REC*	*1*	*27-Jul-2023 08:57*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*27-Jul-2023 08:57*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-MW36A-20230720 Lab ID:HS23071416-13
Collection Date: 20-Jul-2023 17:55 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2023 16:56
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	10-Aug-2023 16:56
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	10-Aug-2023 16:56
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	10-Aug-2023 16:56
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	10-Aug-2023 16:56
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2023 16:56
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	10-Aug-2023 16:56
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	10-Aug-2023 16:56
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	10-Aug-2023 16:56
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	10-Aug-2023 16:56
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	10-Aug-2023 16:56
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	10-Aug-2023 16:56
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2023 16:56
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	10-Aug-2023 16:56
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	10-Aug-2023 16:56
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2023 16:56
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	10-Aug-2023 16:56
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	10-Aug-2023 16:56
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	10-Aug-2023 16:56
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	10-Aug-2023 16:56
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	10-Aug-2023 16:56
Naphthalene	**0.000028**	J	**0.000020**	**0.00010**	**mg/L**	1	10-Aug-2023 16:56
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	10-Aug-2023 16:56
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	10-Aug-2023 16:56
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	10-Aug-2023 16:56
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	10-Aug-2023 16:56
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	10-Aug-2023 16:56
Surr: 2,4,6-Tribromophenol	*49.0*			*34-129*	*%REC*	*1*	*10-Aug-2023 16:56*
Surr: 2-Fluorobiphenyl	*52.1*			*40-125*	*%REC*	*1*	*10-Aug-2023 16:56*
Surr: 2-Fluorophenol	*42.0*			*20-120*	*%REC*	*1*	*10-Aug-2023 16:56*
Surr: 4-Terphenyl-d14	*80.1*			*40-135*	*%REC*	*1*	*10-Aug-2023 16:56*
Surr: Nitrobenzene-d5	*47.3*			*41-120*	*%REC*	*1*	*10-Aug-2023 16:56*
Surr: Phenol-d6	*46.6*			*20-120*	*%REC*	*1*	*10-Aug-2023 16:56*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 03-Aug-2023		Analyst: JC
Arsenic	**0.00290**		**0.000400**	**0.00200**	**mg/L**	1	06-Aug-2023 14:07

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071416
Sample ID: WG-1620-TB06-20230720 Lab ID:HS23071416-14
Collection Date: 20-Jul-2023 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	27-Jul-2023 03:21
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 03:21
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 03:21
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 03:21
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 03:21
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 03:21
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2023 03:21
Surr: 1,2-Dichloroethane-d4	*118*			*70-126*	*%REC*	*1*	*27-Jul-2023 03:21*
Surr: 4-Bromofluorobenzene	*96.9*			*77-113*	*%REC*	*1*	*27-Jul-2023 03:21*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*27-Jul-2023 03:21*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*27-Jul-2023 03:21*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071416

Batch ID: 198134 **Start Date:** 26 Jul 2023 17:47 **End Date:** 26 Jul 2023 17:47
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071416-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071416-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071416-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071416-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071416-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071416-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071416-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071416-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071416-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071416-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071416-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071416-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071416-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198532 **Start Date:** 03 Aug 2023 08:00 **End Date:** 03 Aug 2023 08:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071416-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071416-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071416-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071416-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071416-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071416-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071416-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071416-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071416-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071416-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071416-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071416-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071416-13		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071416

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198134 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS23071416-01	WG-1620-MW38B-20230719	19 Jul 2023 18:05		26 Jul 2023 17:47	09 Aug 2023 14:28	1
HS23071416-02	WG-1620-MW38A-20230720	20 Jul 2023 07:35		26 Jul 2023 17:47	03 Aug 2023 21:48	1
HS23071416-03	WG-1620-MW94A-20230720	20 Jul 2023 08:30		26 Jul 2023 17:47	03 Aug 2023 22:11	1
HS23071416-04	WG-1620-MW33BR-20230720	20 Jul 2023 09:25		26 Jul 2023 17:47	09 Aug 2023 15:14	100
HS23071416-04	WG-1620-MW33BR-20230720	20 Jul 2023 09:25		26 Jul 2023 17:47	09 Aug 2023 14:51	10
HS23071416-05	WG-1620-MW26A-20230720	20 Jul 2023 10:20		26 Jul 2023 17:47	03 Aug 2023 22:58	1
HS23071416-06	WG-1620-MW33A-20230720	20 Jul 2023 12:20		26 Jul 2023 17:47	03 Aug 2023 23:21	1
HS23071416-07	WG-1620-FD05-20230720	20 Jul 2023 12:20		26 Jul 2023 17:47	03 Aug 2023 23:44	1
HS23071416-08	WG-1620-MW70C-20230720	20 Jul 2023 13:15		26 Jul 2023 17:47	09 Aug 2023 15:37	1
HS23071416-09	WG-1620-MW70B-20230720	20 Jul 2023 14:10		26 Jul 2023 17:47	09 Aug 2023 16:00	10000
HS23071416-09	WG-1620-MW70B-20230720	20 Jul 2023 14:10		26 Jul 2023 17:47	04 Aug 2023 21:52	100
HS23071416-09	WG-1620-MW70B-20230720	20 Jul 2023 14:10		26 Jul 2023 17:47	04 Aug 2023 21:29	1000
HS23071416-10	WG-1620-MW32B-20230720	20 Jul 2023 15:05		26 Jul 2023 17:47	09 Aug 2023 16:23	10000
HS23071416-10	WG-1620-MW32B-20230720	20 Jul 2023 15:05		26 Jul 2023 17:47	04 Aug 2023 22:38	100
HS23071416-10	WG-1620-MW32B-20230720	20 Jul 2023 15:05		26 Jul 2023 17:47	04 Aug 2023 22:15	1000
HS23071416-11	WG-1620-MW32AR-20230720	20 Jul 2023 15:55		26 Jul 2023 17:47	04 Aug 2023 23:01	1
HS23071416-12	WG-1620-MW71B-20230720	20 Jul 2023 16:50		26 Jul 2023 17:47	10 Aug 2023 16:32	1
HS23071416-13	WG-1620-MW36A-20230720	20 Jul 2023 17:55		26 Jul 2023 17:47	10 Aug 2023 16:56	1
Batch ID: 198532 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** GW	
HS23071416-01	WG-1620-MW38B-20230719	19 Jul 2023 18:05		03 Aug 2023 08:00	06 Aug 2023 13:35	1
HS23071416-02	WG-1620-MW38A-20230720	20 Jul 2023 07:35		03 Aug 2023 08:00	06 Aug 2023 13:05	1
HS23071416-03	WG-1620-MW94A-20230720	20 Jul 2023 08:30		03 Aug 2023 08:00	06 Aug 2023 13:37	1
HS23071416-04	WG-1620-MW33BR-20230720	20 Jul 2023 09:25		03 Aug 2023 08:00	06 Aug 2023 13:39	1
HS23071416-05	WG-1620-MW26A-20230720	20 Jul 2023 10:20		03 Aug 2023 08:00	06 Aug 2023 13:41	1
HS23071416-06	WG-1620-MW33A-20230720	20 Jul 2023 12:20		03 Aug 2023 08:00	06 Aug 2023 13:43	1
HS23071416-07	WG-1620-FD05-20230720	20 Jul 2023 12:20		03 Aug 2023 08:00	06 Aug 2023 13:45	1
HS23071416-08	WG-1620-MW70C-20230720	20 Jul 2023 13:15		03 Aug 2023 08:00	06 Aug 2023 13:52	1
HS23071416-09	WG-1620-MW70B-20230720	20 Jul 2023 14:10		03 Aug 2023 08:00	06 Aug 2023 14:03	1
HS23071416-10	WG-1620-MW32B-20230720	20 Jul 2023 15:05		03 Aug 2023 08:00	06 Aug 2023 14:05	1
HS23071416-11	WG-1620-MW32AR-20230720	20 Jul 2023 15:55		03 Aug 2023 08:00	06 Aug 2023 13:59	1
HS23071416-12	WG-1620-MW71B-20230720	20 Jul 2023 16:50		03 Aug 2023 08:00	06 Aug 2023 14:01	1
HS23071416-13	WG-1620-MW36A-20230720	20 Jul 2023 17:55		03 Aug 2023 08:00	06 Aug 2023 14:07	1
Batch ID: R442461 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS23071416-14	WG-1620-TB06-20230720	20 Jul 2023 00:00			27 Jul 2023 03:21	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071416

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R442461 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071416-01	WG-1620-MW38B-20230719	19 Jul 2023 18:05			27 Jul 2023 04:03	1
HS23071416-02	WG-1620-MW38A-20230720	20 Jul 2023 07:35			27 Jul 2023 05:06	1
HS23071416-03	WG-1620-MW94A-20230720	20 Jul 2023 08:30			27 Jul 2023 05:27	1
HS23071416-04	WG-1620-MW33BR-20230720	20 Jul 2023 09:25			27 Jul 2023 05:48	1
HS23071416-05	WG-1620-MW26A-20230720	20 Jul 2023 10:20			27 Jul 2023 06:09	1
HS23071416-06	WG-1620-MW33A-20230720	20 Jul 2023 12:20			27 Jul 2023 06:30	1
HS23071416-07	WG-1620-FD05-20230720	20 Jul 2023 12:20			27 Jul 2023 06:51	1
HS23071416-08	WG-1620-MW70C-20230720	20 Jul 2023 13:15			27 Jul 2023 07:12	1
HS23071416-09	WG-1620-MW70B-20230720	20 Jul 2023 14:10			27 Jul 2023 07:33	1
HS23071416-10	WG-1620-MW32B-20230720	20 Jul 2023 15:05			27 Jul 2023 07:54	1
HS23071416-12	WG-1620-MW71B-20230720	20 Jul 2023 16:50			27 Jul 2023 08:36	1
HS23071416-13	WG-1620-MW36A-20230720	20 Jul 2023 17:55			27 Jul 2023 08:57	1
Batch ID: R442566 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071416-04	WG-1620-MW33BR-20230720	20 Jul 2023 09:25			27 Jul 2023 20:12	10
HS23071416-09	WG-1620-MW70B-20230720	20 Jul 2023 14:10			27 Jul 2023 20:33	100
HS23071416-10	WG-1620-MW32B-20230720	20 Jul 2023 15:05			27 Jul 2023 20:54	100
Batch ID: R442568 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071416-11	WG-1620-MW32AR-20230720	20 Jul 2023 15:55			28 Jul 2023 02:51	1

WorkOrder: HS23071416
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	0.00137	0.000400	0.00200

WorkOrder: HS23071416
InstrumentID: SV-10
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000082	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	0.000064	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000082	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000090	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000079	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00039	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000078	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.000070	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.000075	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.000073	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.000077	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.000080	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000098	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.000079	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000088	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.000071	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.000093	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.000079	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000086	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.000084	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.00011	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000028	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00010	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000098	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.000092	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: HS23071416
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	0.0010
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	Di-n-butyl phthalate	84-74-2	0.00010	0.000079	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.000037	0.000020	0.00010
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	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000069	0.000025	0.00020
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	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: HS23071416
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	0.00058	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00050	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00053	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00038	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.0013	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00045	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0011	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071416

QC BATCH REPORT

Batch ID: 198532 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-198532** Units: **mg/L** Analysis Date: **06-Aug-2023 13:01**
Client ID: Run ID: **ICPMS06_443283** SeqNo: **7474855** PrepDate: **03-Aug-2023** 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-198532** Units: **mg/L** Analysis Date: **06-Aug-2023 13:03**
Client ID: Run ID: **ICPMS06_443283** SeqNo: **7474856** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05037	0.00200	0.05	0	101	80 - 120				

MS Sample ID: **HS23071416-02MS** Units: **mg/L** Analysis Date: **06-Aug-2023 13:09**
Client ID: **WG-1620-MW38A-20230720** Run ID: **ICPMS06_443283** SeqNo: **7474859** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.06576	0.00200	0.05	0.01854	94.4	80 - 120				

MSD Sample ID: **HS23071416-02MSD** Units: **mg/L** Analysis Date: **06-Aug-2023 13:11**
Client ID: **WG-1620-MW38A-20230720** Run ID: **ICPMS06_443283** SeqNo: **7474860** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0673	0.00200	0.05	0.01854	97.5	80 - 120	0.06576	2.32	20	

PDS Sample ID: **HS23071416-02PDS** Units: **mg/L** Analysis Date: **06-Aug-2023 13:13**
Client ID: **WG-1620-MW38A-20230720** Run ID: **ICPMS06_443283** SeqNo: **7474861** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1311	0.00200	0.1	0.01854	113	75 - 125				

SD Sample ID: **HS23071416-02SD** Units: **mg/L** Analysis Date: **06-Aug-2023 13:07**
Client ID: **WG-1620-MW38A-20230720** Run ID: **ICPMS06_443283** SeqNo: **7474858** PrepDate: **03-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.01805	0.0100					0.01854	2.67	10	

The following samples were analyzed in this batch:

HS23071416-01	HS23071416-02	HS23071416-03	HS23071416-04
HS23071416-05	HS23071416-06	HS23071416-07	HS23071416-08
HS23071416-09	HS23071416-10	HS23071416-11	HS23071416-12
HS23071416-13			

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071416

QC BATCH REPORT

Batch ID: 198134 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-198134** Units: **ug/L** Analysis Date: **03-Aug-2023 16:00**
Client ID: Run ID: **SV-10_443517** SeqNo: **7480215** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*2.7*	*0.20*	*5*	*0*	*54.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.568*	*0.20*	*5*	*0*	*71.4*	*40 - 125*				
Surr: 2-Fluorophenol	*2.863*	*0.20*	*5*	*0*	*57.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.033*	*0.20*	*5*	*0*	*80.7*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.106*	*0.20*	*5*	*0*	*62.1*	*41 - 120*				
Surr: Phenol-d6	*3.19*	*0.20*	*5*	*0*	*63.8*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071416

QC BATCH REPORT

Batch ID: 198134 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-198134** Units: **ug/L** Analysis Date: **03-Aug-2023 16:24**
Client ID: Run ID: **SV-10_443517** SeqNo: **7480216** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.737	0.20	5	0	74.7	39 - 127				
2,4-Dimethylphenol	3.866	0.20	5	0	77.3	35 - 120				
2,4-Dinitrotoluene	3.875	0.20	5	0	77.5	50 - 122				
2,6-Dinitrotoluene	3.828	0.20	5	0	76.6	50 - 120				
2-Chloronaphthalene	4.182	0.20	5	0	83.6	50 - 120				
2-Methylnaphthalene	3.679	0.10	5	0	73.6	50 - 120				
4,6-Dinitro-2-methylphenol	3.676	1.0	5	0	73.5	25 - 121				
4-Nitrophenol	3.787	1.0	5	0	75.7	30 - 130				
Acenaphthene	3.681	0.10	5	0	73.6	45 - 120				
Acenaphthylene	3.643	0.10	5	0	72.9	47 - 120				
Anthracene	3.696	0.10	5	0	73.9	45 - 120				
Benz(a)anthracene	3.82	0.10	5	0	76.4	40 - 120				
Benzo(a)pyrene	4.312	0.10	5	0	86.2	45 - 120				
Bis(2-chloroethoxy)methane	3.717	0.20	5	0	74.3	45 - 120				
Bis(2-ethylhexyl)phthalate	3.764	0.20	5	0	75.3	40 - 139				
Chrysene	3.764	0.10	5	0	75.3	43 - 120				
Dibenzofuran	3.771	0.10	5	0	75.4	50 - 120				
Di-n-butyl phthalate	3.864	0.20	5	0	77.3	45 - 123				
Fluoranthene	3.825	0.10	5	0	76.5	45 - 125				
Fluorene	3.674	0.10	5	0	73.5	49 - 120				
Naphthalene	3.623	0.10	5	0	72.5	45 - 120				
Nitrobenzene	3.553	0.20	5	0	71.1	44 - 120				
N-Nitrosodiphenylamine	3.649	0.20	5	0	73.0	40 - 125				
Pentachlorophenol	3.336	0.20	5	0	66.7	19 - 121				
Phenanthrene	3.573	0.10	5	0	71.5	45 - 121				
Phenol	3.504	0.20	5	0	70.1	20 - 124				
Pyrene	3.733	0.10	5	0	74.7	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.269*	*0.20*	*5*	*0*	*65.4*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.742*	*0.20*	*5*	*0*	*74.8*	*40 - 125*				
Surr: 2-Fluorophenol	*2.901*	*0.20*	*5*	*0*	*58.0*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.883*	*0.20*	*5*	*0*	*77.7*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.474*	*0.20*	*5*	*0*	*69.5*	*41 - 120*				
Surr: Phenol-d6	*3.295*	*0.20*	*5*	*0*	*65.9*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071416

QC BATCH REPORT

Batch ID: 198134 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-198134** Units: **ug/L** Analysis Date: **03-Aug-2023 16:47**
Client ID: Run ID: **SV-10_443517** SeqNo: **7480217** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.713	0.20	5	0	74.3	39 - 127	3.737	0.656	20	
2,4-Dimethylphenol	4.179	0.20	5	0	83.6	35 - 120	3.866	7.78	20	
2,4-Dinitrotoluene	3.79	0.20	5	0	75.8	50 - 122	3.875	2.24	20	
2,6-Dinitrotoluene	3.851	0.20	5	0	77.0	50 - 120	3.828	0.606	20	
2-Chloronaphthalene	4.051	0.20	5	0	81.0	50 - 120	4.182	3.18	20	
2-Methylnaphthalene	3.63	0.10	5	0	72.6	50 - 120	3.679	1.34	20	
4,6-Dinitro-2-methylphenol	3.549	1.0	5	0	71.0	25 - 121	3.676	3.51	30	
4-Nitrophenol	3.675	1.0	5	0	73.5	30 - 130	3.787	2.99	20	
Acenaphthene	3.675	0.10	5	0	73.5	45 - 120	3.681	0.148	20	
Acenaphthylene	3.614	0.10	5	0	72.3	47 - 120	3.643	0.791	20	
Anthracene	3.598	0.10	5	0	72.0	45 - 120	3.696	2.68	20	
Benz(a)anthracene	3.767	0.10	5	0	75.3	40 - 120	3.82	1.41	20	
Benzo(a)pyrene	3.98	0.10	5	0	79.6	45 - 120	4.312	8.01	20	
Bis(2-chloroethoxy)methane	3.687	0.20	5	0	73.7	45 - 120	3.717	0.809	20	
Bis(2-ethylhexyl)phthalate	3.716	0.20	5	0	74.3	40 - 139	3.764	1.29	20	
Chrysene	3.721	0.10	5	0	74.4	43 - 120	3.764	1.15	20	
Dibenzofuran	3.735	0.10	5	0	74.7	50 - 120	3.771	0.941	20	
Di-n-butyl phthalate	3.79	0.20	5	0	75.8	45 - 123	3.864	1.94	20	
Fluoranthene	3.725	0.10	5	0	74.5	45 - 125	3.825	2.66	20	
Fluorene	3.725	0.10	5	0	74.5	49 - 120	3.674	1.4	20	
Naphthalene	3.606	0.10	5	0	72.1	45 - 120	3.623	0.455	20	
Nitrobenzene	3.54	0.20	5	0	70.8	44 - 120	3.553	0.367	20	
N-Nitrosodiphenylamine	3.651	0.20	5	0	73.0	40 - 125	3.649	0.0712	20	
Pentachlorophenol	3.29	0.20	5	0	65.8	19 - 121	3.336	1.37	20	
Phenanthrene	3.59	0.10	5	0	71.8	45 - 121	3.573	0.472	20	
Phenol	3.458	0.20	5	0	69.2	20 - 124	3.504	1.32	20	
Pyrene	3.825	0.10	5	0	76.5	40 - 130	3.733	2.41	20	
Surr: 2,4,6-Tribromophenol	*3.211*	*0.20*	*5*	*0*	*64.2*	*34 - 129*	*3.269*	*1.79*	*20*	
Surr: 2-Fluorobiphenyl	*3.635*	*0.20*	*5*	*0*	*72.7*	*40 - 125*	*3.742*	*2.9*	*20*	
Surr: 2-Fluorophenol	*2.864*	*0.20*	*5*	*0*	*57.3*	*20 - 120*	*2.901*	*1.28*	*20*	
Surr: 4-Terphenyl-d14	*3.878*	*0.20*	*5*	*0*	*77.6*	*40 - 135*	*3.883*	*0.11*	*20*	
Surr: Nitrobenzene-d5	*3.457*	*0.20*	*5*	*0*	*69.1*	*41 - 120*	*3.474*	*0.486*	*20*	
Surr: Phenol-d6	*3.213*	*0.20*	*5*	*0*	*64.3*	*20 - 120*	*3.295*	*2.52*	*20*	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071416

QC BATCH REPORT

Batch ID: 198134 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS23071416-01	HS23071416-02	HS23071416-03	HS23071416-04
HS23071416-05	HS23071416-06	HS23071416-07	HS23071416-08
HS23071416-09	HS23071416-10	HS23071416-11	HS23071416-12
HS23071416-13			

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071416

QC BATCH REPORT

Batch ID: R442461 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230726** Units: **ug/L** Analysis Date: **27-Jul-2023 02:39**
Client ID: Run ID: **VOA11_442461** SeqNo: **7454484** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*57.24*	*1.0*	*50*	*0*	*114*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.66*	*1.0*	*50*	*0*	*99.3*	*77 - 113*				
Surr: Dibromofluoromethane	*51.1*	*1.0*	*50*	*0*	*102*	*73 - 126*				
Surr: Toluene-d8	*53.2*	*1.0*	*50*	*0*	*106*	*81 - 120*				

LCS Sample ID: **VLCSW-230726** Units: **ug/L** Analysis Date: **27-Jul-2023 01:57**
Client ID: Run ID: **VOA11_442461** SeqNo: **7454483** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	22.43	1.0	20	0	112	70 - 124				
Benzene	18.97	1.0	20	0	94.8	74 - 120				
Chlorobenzene	18.96	1.0	20	0	94.8	76 - 113				
Ethylbenzene	18.05	1.0	20	0	90.3	77 - 117				
Methylene chloride	20.11	2.0	20	0	101	70 - 127				
Toluene	20.11	1.0	20	0	101	77 - 118				
Xylenes, Total	55.71	3.0	60	0	92.9	75 - 122				
Surr: 1,2-Dichloroethane-d4	*56.15*	*1.0*	*50*	*0*	*112*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.1*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*50.97*	*1.0*	*50*	*0*	*102*	*73 - 126*				
Surr: Toluene-d8	*51.96*	*1.0*	*50*	*0*	*104*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071416

QC BATCH REPORT

Batch ID: R442461 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23071416-01MS** Units: **ug/L** Analysis Date: **27-Jul-2023 04:24**
Client ID: **WG-1620-MW38B-20230719** Run ID: **VOA11_442461** SeqNo: **7454489** 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 - 127				
Benzene	15.55	1.0	20	0	77.7	70 - 127				
Chlorobenzene	16.8	1.0	20	0	84.0	70 - 114				
Ethylbenzene	15.69	1.0	20	0	78.4	70 - 124				
Methylene chloride	18.75	2.0	20	0	93.8	70 - 128				
Toluene	17.75	1.0	20	0	88.7	70 - 123				
Xylenes, Total	46.81	3.0	60	0	78.0	70 - 130				
Surr: 1,2-Dichloroethane-d4	*56.2*	*1.0*	*50*	*0*	*112*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.24*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*50.81*	*1.0*	*50*	*0*	*102*	*77 - 123*				
Surr: Toluene-d8	*51.92*	*1.0*	*50*	*0*	*104*	*82 - 127*				

MSD Sample ID: **HS23071416-01MSD** Units: **ug/L** Analysis Date: **27-Jul-2023 04:45**
Client ID: **WG-1620-MW38B-20230719** Run ID: **VOA11_442461** SeqNo: **7454490** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.53	1.0	20	0	92.6	70 - 127	18.23	1.59	20	
Benzene	16.02	1.0	20	0	80.1	70 - 127	15.55	2.99	20	
Chlorobenzene	16.08	1.0	20	0	80.4	70 - 114	16.8	4.37	20	
Ethylbenzene	15.36	1.0	20	0	76.8	70 - 124	15.69	2.13	20	
Methylene chloride	18.01	2.0	20	0	90.1	70 - 128	18.75	4.04	20	
Toluene	17.43	1.0	20	0	87.2	70 - 123	17.75	1.8	20	
Xylenes, Total	46.53	3.0	60	0	77.6	70 - 130	46.81	0.601	20	
Surr: 1,2-Dichloroethane-d4	*55.08*	*1.0*	*50*	*0*	*110*	*70 - 126*	*56.2*	*2.01*	*20*	
Surr: 4-Bromofluorobenzene	*51.98*	*1.0*	*50*	*0*	*104*	*77 - 113*	*50.24*	*3.41*	*20*	
Surr: Dibromofluoromethane	*51.95*	*1.0*	*50*	*0*	*104*	*77 - 123*	*50.81*	*2.21*	*20*	
Surr: Toluene-d8	*52.27*	*1.0*	*50*	*0*	*105*	*82 - 127*	*51.92*	*0.672*	*20*	

The following samples were analyzed in this batch:

HS23071416-01	HS23071416-02	HS23071416-03	HS23071416-04
HS23071416-05	HS23071416-06	HS23071416-07	HS23071416-08
HS23071416-09	HS23071416-10	HS23071416-12	HS23071416-13
HS23071416-14			

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071416

QC BATCH REPORT

Batch ID: R442566 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230727** Units: **ug/L** Analysis Date: **27-Jul-2023 12:50**
Client ID: Run ID: **VOA11_442566** SeqNo: **7457108** 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								
Ethylbenzene	< 0.30	1.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*58.97*	*1.0*	*50*	*0*	*118*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*55.04*	*1.0*	*50*	*0*	*110*	*77 - 113*				
Surr: Dibromofluoromethane	*50.13*	*1.0*	*50*	*0*	*100*	*73 - 126*				
Surr: Toluene-d8	*53.73*	*1.0*	*50*	*0*	*107*	*81 - 120*				

LCS Sample ID: **VLCSW-230727** Units: **ug/L** Analysis Date: **27-Jul-2023 12:08**
Client ID: Run ID: **VOA11_442566** SeqNo: **7457107** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.24	1.0	20	0	91.2	74 - 120				
Ethylbenzene	18.54	1.0	20	0	92.7	77 - 117				
Toluene	20.3	1.0	20	0	102	77 - 118				
Xylenes, Total	57.45	3.0	60	0	95.7	75 - 122				
Surr: 1,2-Dichloroethane-d4	*57.62*	*1.0*	*50*	*0*	*115*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*54.58*	*1.0*	*50*	*0*	*109*	*77 - 113*				
Surr: Dibromofluoromethane	*50.27*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*53.25*	*1.0*	*50*	*0*	*107*	*81 - 120*				

MS Sample ID: **HS23071204-01MS** Units: **ug/L** Analysis Date: **27-Jul-2023 13:53**
Client ID: Run ID: **VOA11_442566** SeqNo: **7457110** PrepDate: DF: **20**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	339.7	20	400	0	84.9	70 - 127				
Ethylbenzene	339.3	20	400	0	84.8	70 - 124				
Toluene	392.6	20	400	0	98.2	70 - 123				
Xylenes, Total	1045	60	1200	0	87.1	70 - 130				
Surr: 1,2-Dichloroethane-d4	*1129*	*20*	*1000*	*0*	*113*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*1099*	*20*	*1000*	*0*	*110*	*77 - 113*				
Surr: Dibromofluoromethane	*984.4*	*20*	*1000*	*0*	*98.4*	*77 - 123*				
Surr: Toluene-d8	*1024*	*20*	*1000*	*0*	*102*	*82 - 127*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071416

QC BATCH REPORT

Batch ID: R442566 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS23071204-01MSD** Units: **ug/L** Analysis Date: **27-Jul-2023 14:14**
Client ID: Run ID: **VOA11_442566** SeqNo: **7457111** PrepDate: DF: **20**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	302.6	20	400	0	75.6	70 - 127	339.7	11.6	20	
Ethylbenzene	326.5	20	400	0	81.6	70 - 124	339.3	3.83	20	
Toluene	355.4	20	400	0	88.8	70 - 123	392.6	9.95	20	
Xylenes, Total	978.9	60	1200	0	81.6	70 - 130	1045	6.56	20	
Surr: 1,2-Dichloroethane-d4	*1164*	*20*	*1000*	*0*	*116*	*70 - 126*	*1129*	*3.08*	*20*	
Surr: 4-Bromofluorobenzene	*1073*	*20*	*1000*	*0*	*107*	*77 - 113*	*1099*	*2.43*	*20*	
Surr: Dibromofluoromethane	*982.1*	*20*	*1000*	*0*	*98.2*	*77 - 123*	*984.4*	*0.236*	*20*	
Surr: Toluene-d8	*1074*	*20*	*1000*	*0*	*107*	*82 - 127*	*1024*	*4.7*	*20*	

The following samples were analyzed in this batch: HS23071416-04 HS23071416-09 HS23071416-10

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071416

QC BATCH REPORT

Batch ID: R442568 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230727** Units: **ug/L** Analysis Date: **28-Jul-2023 01:48**
Client ID: Run ID: **VOA11_442568** SeqNo: **7457205** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*52.42*	*1.0*	*50*	*0*	*105*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.17*	*1.0*	*50*	*0*	*96.3*	*77 - 113*				
Surr: Dibromofluoromethane	*46.54*	*1.0*	*50*	*0*	*93.1*	*73 - 126*				
Surr: Toluene-d8	*51.79*	*1.0*	*50*	*0*	*104*	*81 - 120*				

LCS Sample ID: **VLCSW-230727** Units: **ug/L** Analysis Date: **28-Jul-2023 01:06**
Client ID: Run ID: **VOA11_442568** SeqNo: **7457204** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	22.47	1.0	20	0	112	70 - 124				
Benzene	19.83	1.0	20	0	99.1	74 - 120				
Chlorobenzene	18.58	1.0	20	0	92.9	76 - 113				
Ethylbenzene	18.96	1.0	20	0	94.8	77 - 117				
Methylene chloride	20.3	2.0	20	0	101	70 - 127				
Toluene	19.43	1.0	20	0	97.1	77 - 118				
Xylenes, Total	54.82	3.0	60	0	91.4	75 - 122				
Surr: 1,2-Dichloroethane-d4	*49.6*	*1.0*	*50*	*0*	*99.2*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.04*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*48.03*	*1.0*	*50*	*0*	*96.1*	*73 - 126*				
Surr: Toluene-d8	*50.71*	*1.0*	*50*	*0*	*101*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071416

QC BATCH REPORT

Batch ID: R442568 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23071527-06MS** Units: **ug/L** Analysis Date: **28-Jul-2023 03:33**
Client ID: Run ID: **VOA11_442568** SeqNo: **7457210** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.39	1.0	20	0	91.9	70 - 127				
Benzene	16.72	1.0	20	0	83.6	70 - 127				
Chlorobenzene	16.24	1.0	20	0	81.2	70 - 114				
Ethylbenzene	16.53	1.0	20	0	82.6	70 - 124				
Methylene chloride	16.62	2.0	20	0	83.1	70 - 128				
Toluene	17.5	1.0	20	0	87.5	70 - 123				
Xylenes, Total	48.53	3.0	60	0	80.9	70 - 130				
Surr: 1,2-Dichloroethane-d4	*51.06*	*1.0*	*50*	*0*	*102*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.74*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*48.9*	*1.0*	*50*	*0*	*97.8*	*77 - 123*				
Surr: Toluene-d8	*51.16*	*1.0*	*50*	*0*	*102*	*82 - 127*				

MSD Sample ID: **HS23071527-06MSD** Units: **ug/L** Analysis Date: **28-Jul-2023 03:54**
Client ID: Run ID: **VOA11_442568** SeqNo: **7457211** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	16.48	1.0	20	0	82.4	70 - 127	18.39	10.9	20	
Benzene	15.34	1.0	20	0	76.7	70 - 127	16.72	8.6	20	
Chlorobenzene	15.22	1.0	20	0	76.1	70 - 114	16.24	6.47	20	
Ethylbenzene	15	1.0	20	0	75.0	70 - 124	16.53	9.7	20	
Methylene chloride	15.81	2.0	20	0	79.1	70 - 128	16.62	5.01	20	
Toluene	15.67	1.0	20	0	78.4	70 - 123	17.5	11	20	
Xylenes, Total	44.6	3.0	60	0	74.3	70 - 130	48.53	8.45	20	
Surr: 1,2-Dichloroethane-d4	*51.32*	*1.0*	*50*	*0*	*103*	*70 - 126*	*51.06*	*0.508*	*20*	
Surr: 4-Bromofluorobenzene	*49.53*	*1.0*	*50*	*0*	*99.1*	*77 - 113*	*50.74*	*2.41*	*20*	
Surr: Dibromofluoromethane	*47.84*	*1.0*	*50*	*0*	*95.7*	*77 - 123*	*48.9*	*2.2*	*20*	
Surr: Toluene-d8	*49.22*	*1.0*	*50*	*0*	*98.4*	*82 - 127*	*51.16*	*3.86*	*20*	

The following samples were analyzed in this batch: HS23071416-11

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: **HS23071416**

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	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US Date: 11-Aug-23

Sample Receipt Checklist

Work Order ID: HS23071416 **Date/Time Received:** 21-Jul-2023 11:10

Client Name: PBW **Received by:** Corey Grandits

Completed By: /S/ Nilesh D. Ranchod (eSignature) 23-Jul-2023 20:18 (Date/Time) **Reviewed by:** (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:295429 , 295428
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):	4.4UC/4.3C , 3.3UC/3.2C , 4.1UC/4.0C	IR31	
Cooler(s)/Kit(s):	50716 , Red , 51042		
Date/Time sample(s) sent to storage:	7/24/23		
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: 295429

HS23071416

WSP Golder

Houston TX-Wood Preserving Works 1620-02

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@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-MW38B-20230719	7-19-23	1805	GW		6	X	X	X								
2	WG-1620-MW38A-20230720	7-20-23	0735	GW		6	X	X	X								
3	WG-1620-MW94A-20230720		0830	GW		6	X	X	X								
4	WG-1620-MW33BR-20230720		0925	GW		6	X	X	X								
5	WG-1620-MW26A-20230720		1020	GW		6	X	X	X								
6	WG-1620-MW33A-20230720		1220	GW		6	X	X	X								
7	WG-1620-FD05-20230720		1220	GW		6	X	X	X								
8	WG-1620-MW70C-20230720		1315	GW		6	X	X	X								
9	WG-1620-MW70B-20230720		1410	GW		6	X	X	X								
10	WG-1620-MW32B-20230720		1505	GW		6	X	X	X								

Sampler(s) Please Print & Sign: JOHN BRAYDEN

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: 7-21-23	Time: 1110	Received by:	
Relinquished by:	Date:	Time:	Received by (Laboratory): CG 7-21-23 1116	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Notes: Houston TX-Wood Preserving Works 1620-02

Cooler ID	Cooler Temp.
50716	4.4°
REI	3.3°
91642	4.1°

QC Package: (Check One Box Below)

[ ] Level II Std QC
[ ] Level III Std QC/Raw Data
[ ] Level IV SW846/CLP
[ ] Other
[X] TRRP Checklist
[ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.

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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: 295428

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	HS23071416
				F	WSP Golder
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	Houston TX-Wood Preserving Works 1620-02
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@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-MW32AR-20230720	7-20-23	1555	GW		6	X	X	X								
2	WG-1620-MW71B-20230720	↓	1650	GW		6	X	X	X								
3	WG-1620-MW36A-20230720	↓	1755	GW		6	X	X	X								
4	WG-1620-TB06-20230720					2	X										
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOANE BIBAUDOU

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: 7-21-23	Time: 1110	Received by:	Notes: Houston TX-Wood Preserving Works 1620-02	
Relinquished by:	Date:	Time:	Received by (Laboratory): CA 7-21-23 1110	Cooler ID / Cooler Temp.	QC Package: (Check One Box Below)
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		[ ] Level II Std QC [ ] Level III Std QC/Raw Data [ ] Level IV SVM846/CLP [ ] Other [X] TRRP Checklist [ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.

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Houston, TX 77099
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F: +1 281 530 5887

August 11, 2023

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS23071331**

Laboratory Results for: **Houston TX-Wood Preserving Works 1620-02**

Dear Eric Matzner,

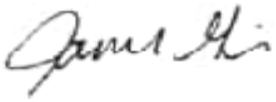
ALS Environmental received 17 sample(s) on Jul 20, 2023 for the analysis presented in the following report.

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
James Guin

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works 1620-02	
WorkOrder:	**HS23071331**	

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.

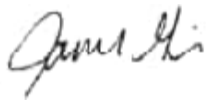
R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

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 1620-02	
WorkOrder:	**HS23071331**	

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.



James Guin

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/11/2023					
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071331					
Reviewer Name: James Guin			Prep Batch Number(s): 198033, 198033, 198122, 198395, R442448, R442461, R442566, R442568					
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?		X			2
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				3
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				4
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/11/2023				
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071331				
Reviewer Name: James Guin			Prep Batch Number(s): 198033, 198033, 198122, 198395, R442448, R442461, R442566, R442568				
#[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: 08/11/2023
Project Name: Houston TX-Wood Preserving Works 1620-02	Laboratory Job Number: HS23071331
Reviewer Name: James Guin	Prep Batch Number(s): 198033, 198033, 198122, 198395, R442448, R442461, R442566, R442568

ER#[5]	Description
1	Semivolatiles Method SW8270, samples WG-1620-FD04-20230718, WG-1620-MW68B-20230719, WG-1620-MW63B-20230719; the surrogate recoveries could not be determined due to dilution below the calibration range.
2	Batch 198033 Semivolatiles Method SW8270, LCS/LCSD provided as batch quality control in lieu of MS/MSD Batch 198033 Semivolatiles Method SW8270, LCS/LCSD provided as batch quality control in lieu of MS/MSD
3	Login notes: Id Differ Chain = WG1620-MW-90A Labels = WG1620-MW-90B Logged per chain Date /Time Match
4	Batch 198122, Semivolatiles Method SW8270, samples were analyzed at 10X dilution due to sample matrix. Batch 198033, Semivolatiles Method SW8270, samples WG-1620-MW83C-20230718, WG-1620-MW83B-20230718, WG-1620-FD04-20230718: The GCMS semi-volatile extract of these samples was run at a dilution due to a high level of matrix interference. Batch 198122, Semivolatiles Method SW8270, samples WG-1620-MW68B-20230719, WG-1620-MW63B-20230719, The GCMS semi-volatile extract of these samples were run at a dilution due to a high level of matrix interference. Batch R442448, Volatiles Method SW8260, sample WG-1620-MW68A-20230719: Lowest possible dilution sample matrix.

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 1620-02
Work Order: HS23071331

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23071331-01	WG-1620-MW83C-20230718	GW		18-Jul-2023 14:25	20-Jul-2023 10:55	☐
HS23071331-02	WG-1620-MW83B-20230718	GW		18-Jul-2023 15:20	20-Jul-2023 10:55	☐
HS23071331-03	WG-1620-FD04-20230718	GW		18-Jul-2023 15:20	20-Jul-2023 10:55	☐
HS23071331-04	WG-1620-MW35B-20230718	GW		18-Jul-2023 16:15	20-Jul-2023 10:55	☐
HS23071331-05	WG-1620-MW35A-20230718	GW		18-Jul-2023 17:05	20-Jul-2023 10:55	☐
HS23071331-06	WG-1620-FB08-20230718	Water		18-Jul-2023 17:30	20-Jul-2023 10:55	☐
HS23071331-07	WG-1620-MW68A-20230719	GW		19-Jul-2023 07:45	20-Jul-2023 10:55	☐
HS23071331-08	WG-1620-MW68B-20230719	GW		19-Jul-2023 08:35	20-Jul-2023 10:55	☐
HS23071331-09	WG-1620-MW68C-20230719	GW		19-Jul-2023 09:25	20-Jul-2023 10:55	☐
HS23071331-10	WG-1620-MW84B-20230719	GW		19-Jul-2023 10:15	20-Jul-2023 10:55	☐
HS23071331-11	WG-1620-MW84A-20230719	GW		19-Jul-2023 12:25	20-Jul-2023 10:55	☐
HS23071331-12	WG-1620-MW90A-20230719	GW		19-Jul-2023 13:20	20-Jul-2023 10:55	☐
HS23071331-13	WG-1620-MW92B-20230719	GW		19-Jul-2023 14:15	20-Jul-2023 10:55	☐
HS23071331-14	WG-1620-MW63B-20230719	GW		19-Jul-2023 15:10	20-Jul-2023 10:55	☐
HS23071331-15	WG-1620-MW22AR-20230719	GW		19-Jul-2023 16:20	20-Jul-2023 10:55	☐
HS23071331-16	WG-1620-MW22BR-20230719	GW		19-Jul-2023 17:15	20-Jul-2023 10:55	☐
HS23071331-17	WG-1620-TB05-20230719	Water		19-Jul-2023 00:00	20-Jul-2023 10:55	☐

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW83C-20230718 Lab ID:HS23071331-01
Collection Date: 18-Jul-2023 14:25 Matrix:GW

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	26-Jul-2023 17:53
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 17:53
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 17:53
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 17:53
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 17:53
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 17:53
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 17:53
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*1*	*26-Jul-2023 17:53*
Surr: 4-Bromofluorobenzene	*94.5*			*77-113*	*%REC*	*1*	*26-Jul-2023 17:53*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*26-Jul-2023 17:53*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*26-Jul-2023 17:53*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW83C-20230718
Collection Date: 18-Jul-2023 14:25

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-01
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	02-Aug-2023 17:04
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	02-Aug-2023 17:04
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	02-Aug-2023 17:04
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	02-Aug-2023 17:04
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	02-Aug-2023 17:04
2-Methylnaphthalene	**0.00054**	J	**0.00019**	**0.0010**	**mg/L**	10	02-Aug-2023 17:04
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	02-Aug-2023 17:04
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	02-Aug-2023 17:04
Acenaphthene	**0.00057**	J	**0.00027**	**0.0010**	**mg/L**	10	02-Aug-2023 17:04
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	02-Aug-2023 17:04
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	02-Aug-2023 17:04
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	02-Aug-2023 17:04
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	02-Aug-2023 17:04
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	02-Aug-2023 17:04
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	02-Aug-2023 17:04
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	02-Aug-2023 17:04
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	02-Aug-2023 17:04
Dibenzofuran	**0.00071**	J	**0.00020**	**0.0010**	**mg/L**	10	02-Aug-2023 17:04
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	02-Aug-2023 17:04
Fluorene	**0.00043**	J	**0.00030**	**0.0010**	**mg/L**	10	02-Aug-2023 17:04
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	02-Aug-2023 17:04
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	02-Aug-2023 17:04
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	02-Aug-2023 17:04
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	02-Aug-2023 17:04
Phenanthrene	**0.00077**	J	**0.00021**	**0.0010**	**mg/L**	10	02-Aug-2023 17:04
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	02-Aug-2023 17:04
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	02-Aug-2023 17:04
Surr: 2,4,6-Tribromophenol	*70.0*			*34-129*	*%REC*	*10*	*02-Aug-2023 17:04*
Surr: 2-Fluorobiphenyl	*64.4*			*40-125*	*%REC*	*10*	*02-Aug-2023 17:04*
Surr: 2-Fluorophenol	*53.5*			*20-120*	*%REC*	*10*	*02-Aug-2023 17:04*
Surr: 4-Terphenyl-d14	*82.9*			*40-135*	*%REC*	*10*	*02-Aug-2023 17:04*
Surr: Nitrobenzene-d5	*51.3*			*41-120*	*%REC*	*10*	*02-Aug-2023 17:04*
Surr: Phenol-d6	*59.5*			*20-120*	*%REC*	*10*	*02-Aug-2023 17:04*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	02-Aug-2023 21:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW83B-20230718 Lab ID:HS23071331-02
Collection Date: 18-Jul-2023 15:20 Matrix:GW

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	26-Jul-2023 18:56
Benzene	**0.0024**		**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 18:56
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 18:56
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 18:56
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 18:56
Toluene	**0.00096**	J	**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 18:56
Xylenes, Total	**0.015**		**0.00030**	**0.0030**	**mg/L**	1	26-Jul-2023 18:56
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*26-Jul-2023 18:56*
Surr: 4-Bromofluorobenzene	*98.9*			*77-113*	*%REC*	*1*	*26-Jul-2023 18:56*
Surr: Dibromofluoromethane	*99.8*			*77-123*	*%REC*	*1*	*26-Jul-2023 18:56*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*26-Jul-2023 18:56*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW83B-20230718
Collection Date: 18-Jul-2023 15:20

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-02
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	02-Aug-2023 17:27
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	02-Aug-2023 17:27
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	02-Aug-2023 17:27
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	02-Aug-2023 17:27
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	02-Aug-2023 17:27
2-Methylnaphthalene	**0.013**		**0.00019**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	02-Aug-2023 17:27
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	02-Aug-2023 17:27
Acenaphthene	**0.011**		**0.00027**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	02-Aug-2023 17:27
Anthracene	**0.00044**	J	**0.00014**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	02-Aug-2023 17:27
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	02-Aug-2023 17:27
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	02-Aug-2023 17:27
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	02-Aug-2023 17:27
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	02-Aug-2023 17:27
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	02-Aug-2023 17:27
Dibenzofuran	**0.0047**		**0.00020**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
Fluoranthene	**0.00021**	J	**0.00010**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
Fluorene	**0.0040**		**0.00030**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	02-Aug-2023 17:27
Naphthalene	**0.034**		**0.00020**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	02-Aug-2023 17:27
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	02-Aug-2023 17:27
Phenanthrene	**0.0034**		**0.00021**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	02-Aug-2023 17:27
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	02-Aug-2023 17:27
Surr: 2,4,6-Tribromophenol	*82.9*			*34-129*	*%REC*	*10*	*02-Aug-2023 17:27*
Surr: 2-Fluorobiphenyl	*70.1*			*40-125*	*%REC*	*10*	*02-Aug-2023 17:27*
Surr: 2-Fluorophenol	*56.7*			*20-120*	*%REC*	*10*	*02-Aug-2023 17:27*
Surr: 4-Terphenyl-d14	*91.0*			*40-135*	*%REC*	*10*	*02-Aug-2023 17:27*
Surr: Nitrobenzene-d5	*55.1*			*41-120*	*%REC*	*10*	*02-Aug-2023 17:27*
Surr: Phenol-d6	*61.7*			*20-120*	*%REC*	*10*	*02-Aug-2023 17:27*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.0175**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:03

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-FD04-20230718 Lab ID:HS23071331-03
Collection Date: 18-Jul-2023 15:20 Matrix:GW

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	26-Jul-2023 19:17
Benzene	**0.0043**		**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 19:17
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 19:17
Ethylbenzene	**0.00067**	J	**0.00030**	**0.0010**	**mg/L**	1	26-Jul-2023 19:17
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 19:17
Toluene	**0.0013**		**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 19:17
Xylenes, Total	**0.024**		**0.00030**	**0.0030**	**mg/L**	1	26-Jul-2023 19:17
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*26-Jul-2023 19:17*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*26-Jul-2023 19:17*
Surr: Dibromofluoromethane	*98.3*			*77-123*	*%REC*	*1*	*26-Jul-2023 19:17*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*26-Jul-2023 19:17*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-FD04-20230718
Collection Date: 18-Jul-2023 15:20

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-03
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	08-Aug-2023 14:49
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	08-Aug-2023 14:49
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	08-Aug-2023 14:49
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	08-Aug-2023 14:49
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	08-Aug-2023 14:49
2-Methylnaphthalene	**0.043**		**0.00019**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	08-Aug-2023 14:49
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	08-Aug-2023 14:49
Acenaphthene	**0.037**		**0.00027**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	08-Aug-2023 14:49
Anthracene	**0.0018**		**0.00014**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	08-Aug-2023 14:49
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	08-Aug-2023 14:49
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	08-Aug-2023 14:49
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	08-Aug-2023 14:49
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	08-Aug-2023 14:49
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	08-Aug-2023 14:49
Dibenzofuran	**0.015**		**0.00020**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
Fluoranthene	**0.0011**		**0.00010**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
Fluorene	**0.012**		**0.00030**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	08-Aug-2023 14:49
Naphthalene	**0.34**		**0.0020**	**0.010**	**mg/L**	100	09-Aug-2023 13:09
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	08-Aug-2023 14:49
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	08-Aug-2023 14:49
Phenanthrene	**0.011**		**0.00021**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	08-Aug-2023 14:49
Pyrene	**0.00073**	J	**0.00019**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
Surr: 2,4,6-Tribromophenol	*68.1*			*34-129*	*%REC*	*10*	*08-Aug-2023 14:49*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*09-Aug-2023 13:09*
Surr: 2-Fluorobiphenyl	*72.0*			*40-125*	*%REC*	*10*	*08-Aug-2023 14:49*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*09-Aug-2023 13:09*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 13:09*
Surr: 2-Fluorophenol	*62.0*			*20-120*	*%REC*	*10*	*08-Aug-2023 14:49*
Surr: 4-Terphenyl-d14	*99.7*			*40-135*	*%REC*	*10*	*08-Aug-2023 14:49*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*09-Aug-2023 13:09*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*09-Aug-2023 13:09*
Surr: Nitrobenzene-d5	*59.4*			*41-120*	*%REC*	*10*	*08-Aug-2023 14:49*
Surr: Phenol-d6	*65.5*			*20-120*	*%REC*	*10*	*08-Aug-2023 14:49*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 13:09*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-FD04-20230718 Lab ID:HS23071331-03
Collection Date: 18-Jul-2023 15:20 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.0483**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW35B-20230718 Lab ID:HS23071331-04
Collection Date: 18-Jul-2023 16:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	**0.0026**		**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 19:38
Benzene	**0.097**		**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 19:38
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 19:38
Ethylbenzene	**0.0018**		**0.00030**	**0.0010**	**mg/L**	1	26-Jul-2023 19:38
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 19:38
Toluene	**0.0014**		**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 19:38
Xylenes, Total	**0.011**		**0.00030**	**0.0030**	**mg/L**	1	26-Jul-2023 19:38
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*26-Jul-2023 19:38*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*26-Jul-2023 19:38*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*26-Jul-2023 19:38*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*26-Jul-2023 19:38*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW35B-20230718 Lab ID:HS23071331-04
Collection Date: 18-Jul-2023 16:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 18:15
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 18:15
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 18:15
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 18:15
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 18:15
2-Methylnaphthalene	**0.030**		**0.00019**	**0.0010**	**mg/L**	10	08-Aug-2023 15:35
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 18:15
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 18:15
Acenaphthene	**0.034**		**0.00027**	**0.0010**	**mg/L**	10	08-Aug-2023 15:35
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 18:15
Anthracene	**0.0037**		**0.000014**	**0.00010**	**mg/L**	1	02-Aug-2023 18:15
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 18:15
Benzo(a)pyrene	**0.000034**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2023 18:15
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 18:15
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 18:15
Chrysene	**0.00013**		**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2023 18:15
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 18:15
Dibenzofuran	**0.039**		**0.00020**	**0.0010**	**mg/L**	10	08-Aug-2023 15:35
Fluoranthene	**0.0038**		**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2023 18:15
Fluorene	**0.022**		**0.00030**	**0.0010**	**mg/L**	10	08-Aug-2023 15:35
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 18:15
Naphthalene	**0.00095**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2023 18:15
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 18:15
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 18:15
Phenanthrene	**0.037**		**0.00021**	**0.0010**	**mg/L**	10	08-Aug-2023 15:35
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 18:15
Pyrene	**0.0017**		**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2023 18:15
Surr: 2,4,6-Tribromophenol	*70.2*			*34-129*	*%REC*	*10*	*08-Aug-2023 15:35*
Surr: 2,4,6-Tribromophenol	*73.9*			*34-129*	*%REC*	*1*	*02-Aug-2023 18:15*
Surr: 2-Fluorobiphenyl	*67.1*			*40-125*	*%REC*	*10*	*08-Aug-2023 15:35*
Surr: 2-Fluorobiphenyl	*55.0*			*40-125*	*%REC*	*1*	*02-Aug-2023 18:15*
Surr: 2-Fluorophenol	*56.5*			*20-120*	*%REC*	*10*	*08-Aug-2023 15:35*
Surr: 2-Fluorophenol	*47.3*			*20-120*	*%REC*	*1*	*02-Aug-2023 18:15*
Surr: 4-Terphenyl-d14	*81.4*			*40-135*	*%REC*	*1*	*02-Aug-2023 18:15*
Surr: 4-Terphenyl-d14	*99.2*			*40-135*	*%REC*	*10*	*08-Aug-2023 15:35*
Surr: Nitrobenzene-d5	*57.0*			*41-120*	*%REC*	*10*	*08-Aug-2023 15:35*
Surr: Nitrobenzene-d5	*48.6*			*41-120*	*%REC*	*1*	*02-Aug-2023 18:15*
Surr: Phenol-d6	*50.5*			*20-120*	*%REC*	*1*	*02-Aug-2023 18:15*
Surr: Phenol-d6	*59.7*			*20-120*	*%REC*	*10*	*08-Aug-2023 15:35*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client:	WSP Golder	**ANALYTICAL REPORT**
Project:	Houston TX-Wood Preserving Works 1620-02	WorkOrder:HS23071331
Sample ID:	WG-1620-MW35B-20230718	Lab ID:HS23071331-04
Collection Date:	18-Jul-2023 16:15	Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.00329**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:07

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW35A-20230718 Lab ID:HS23071331-05
Collection Date: 18-Jul-2023 17:05 Matrix:GW

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	26-Jul-2023 19:59
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 19:59
Chlorobenzene	**0.0011**		**0.00030**	**0.0010**	**mg/L**	1	26-Jul-2023 19:59
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 19:59
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 19:59
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 19:59
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 19:59
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*26-Jul-2023 19:59*
Surr: 4-Bromofluorobenzene	*99.4*			*77-113*	*%REC*	*1*	*26-Jul-2023 19:59*
Surr: Dibromofluoromethane	*95.8*			*77-123*	*%REC*	*1*	*26-Jul-2023 19:59*
Surr: Toluene-d8	*98.7*			*82-127*	*%REC*	*1*	*26-Jul-2023 19:59*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW35A-20230718
Collection Date: 18-Jul-2023 17:05

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-05
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 18:38
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 18:38
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 18:38
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 18:38
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 18:38
2-Methylnaphthalene	**0.000073**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2023 18:38
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 18:38
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 18:38
Acenaphthene	**0.0012**		**0.000027**	**0.00010**	**mg/L**	1	02-Aug-2023 18:38
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 18:38
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 18:38
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 18:38
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 18:38
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 18:38
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 18:38
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 18:38
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 18:38
Dibenzofuran	**0.00015**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2023 18:38
Fluoranthene	**0.000078**	J	**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2023 18:38
Fluorene	**0.00017**		**0.000030**	**0.00010**	**mg/L**	1	02-Aug-2023 18:38
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 18:38
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 18:38
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 18:38
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 18:38
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 18:38
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 18:38
Pyrene	**0.000071**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2023 18:38
Surr: 2,4,6-Tribromophenol	*76.3*			*34-129*	*%REC*	*1*	*02-Aug-2023 18:38*
Surr: 2-Fluorobiphenyl	*65.3*			*40-125*	*%REC*	*1*	*02-Aug-2023 18:38*
Surr: 2-Fluorophenol	*47.5*			*20-120*	*%REC*	*1*	*02-Aug-2023 18:38*
Surr: 4-Terphenyl-d14	*71.8*			*40-135*	*%REC*	*1*	*02-Aug-2023 18:38*
Surr: Nitrobenzene-d5	*50.4*			*41-120*	*%REC*	*1*	*02-Aug-2023 18:38*
Surr: Phenol-d6	*52.8*			*20-120*	*%REC*	*1*	*02-Aug-2023 18:38*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.0287**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:09

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-FB08-20230718 Lab ID:HS23071331-06
Collection Date: 18-Jul-2023 17:30 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	26-Jul-2023 17:32
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 17:32
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 17:32
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 17:32
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 17:32
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 17:32
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 17:32
Surr: 1,2-Dichloroethane-d4	*103*			*70-126*	*%REC*	*1*	*26-Jul-2023 17:32*
Surr: 4-Bromofluorobenzene	*96.3*			*77-113*	*%REC*	*1*	*26-Jul-2023 17:32*
Surr: Dibromofluoromethane	*97.4*			*77-123*	*%REC*	*1*	*26-Jul-2023 17:32*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*26-Jul-2023 17:32*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-FB08-20230718 Lab ID:HS23071331-06
Collection Date: 18-Jul-2023 17:30 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 19:02
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 19:02
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 19:02
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 19:02
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 19:02
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 19:02
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 19:02
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 19:02
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 19:02
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 19:02
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 19:02
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 19:02
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 19:02
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 19:02
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 19:02
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 19:02
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 19:02
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 19:02
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 19:02
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 19:02
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 19:02
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 19:02
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 19:02
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 19:02
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 19:02
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 19:02
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 19:02
Surr: 2,4,6-Tribromophenol	*35.6*			*34-129*	*%REC*	*1*	*02-Aug-2023 19:02*
Surr: 2-Fluorobiphenyl	*72.5*			*40-125*	*%REC*	*1*	*02-Aug-2023 19:02*
Surr: 2-Fluorophenol	*55.0*			*20-120*	*%REC*	*1*	*02-Aug-2023 19:02*
Surr: 4-Terphenyl-d14	*78.3*			*40-135*	*%REC*	*1*	*02-Aug-2023 19:02*
Surr: Nitrobenzene-d5	*58.1*			*41-120*	*%REC*	*1*	*02-Aug-2023 19:02*
Surr: Phenol-d6	*58.6*			*20-120*	*%REC*	*1*	*02-Aug-2023 19:02*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	02-Aug-2023 22:11

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW68A-20230719 Lab ID:HS23071331-07
Collection Date: 19-Jul-2023 07:45 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.010		0.010	0.050	mg/L	50	26-Jul-2023 20:20
Benzene	< 0.010		0.010	0.050	mg/L	50	26-Jul-2023 20:20
Chlorobenzene	< 0.015		0.015	0.050	mg/L	50	26-Jul-2023 20:20
Ethylbenzene	< 0.015		0.015	0.050	mg/L	50	26-Jul-2023 20:20
Methylene chloride	< 0.050		0.050	0.10	mg/L	50	26-Jul-2023 20:20
Toluene	< 0.010		0.010	0.050	mg/L	50	26-Jul-2023 20:20
Xylenes, Total	< 0.015		0.015	0.15	mg/L	50	26-Jul-2023 20:20
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*50*	*26-Jul-2023 20:20*
Surr: 4-Bromofluorobenzene	*98.8*			*77-113*	*%REC*	*50*	*26-Jul-2023 20:20*
Surr: Dibromofluoromethane	*97.2*			*77-123*	*%REC*	*50*	*26-Jul-2023 20:20*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*50*	*26-Jul-2023 20:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW68A-20230719
Collection Date: 19-Jul-2023 07:45

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-07
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 20:40
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	03-Aug-2023 20:40
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 20:40
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 20:40
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 20:40
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 20:40
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 20:40
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 20:40
Acenaphthene	**0.00054**	J	**0.00027**	**0.0010**	**mg/L**	10	03-Aug-2023 20:40
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 20:40
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	03-Aug-2023 20:40
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 20:40
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 20:40
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 20:40
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 20:40
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 20:40
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 20:40
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 20:40
Fluoranthene	**0.00032**	J	**0.00010**	**0.0010**	**mg/L**	10	03-Aug-2023 20:40
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	03-Aug-2023 20:40
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 20:40
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 20:40
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 20:40
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 20:40
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 20:40
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 20:40
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 20:40
Surr: 2,4,6-Tribromophenol	*83.0*			*34-129*	*%REC*	*10*	*03-Aug-2023 20:40*
Surr: 2-Fluorobiphenyl	*86.5*			*40-125*	*%REC*	*10*	*03-Aug-2023 20:40*
Surr: 2-Fluorophenol	*65.0*			*20-120*	*%REC*	*10*	*03-Aug-2023 20:40*
Surr: 4-Terphenyl-d14	*97.3*			*40-135*	*%REC*	*10*	*03-Aug-2023 20:40*
Surr: Nitrobenzene-d5	*69.6*			*41-120*	*%REC*	*10*	*03-Aug-2023 20:40*
Surr: Phenol-d6	*68.0*			*20-120*	*%REC*	*10*	*03-Aug-2023 20:40*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.0918**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW68B-20230719 Lab ID:HS23071331-08
Collection Date: 19-Jul-2023 08:35 Matrix:GW

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	26-Jul-2023 20:41
Benzene	**2.4**		**0.020**	**0.10**	**mg/L**	100	27-Jul-2023 18:06
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 20:41
Ethylbenzene	**0.54**		**0.030**	**0.10**	**mg/L**	100	27-Jul-2023 18:06
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 20:41
Toluene	**0.68**		**0.020**	**0.10**	**mg/L**	100	27-Jul-2023 18:06
Xylenes, Total	**1.4**		**0.030**	**0.30**	**mg/L**	100	27-Jul-2023 18:06
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*1*	*26-Jul-2023 20:41*
Surr: 1,2-Dichloroethane-d4	*124*			*70-126*	*%REC*	*100*	*27-Jul-2023 18:06*
Surr: 4-Bromofluorobenzene	*111*			*77-113*	*%REC*	*1*	*26-Jul-2023 20:41*
Surr: 4-Bromofluorobenzene	*106*			*77-113*	*%REC*	*100*	*27-Jul-2023 18:06*
Surr: Dibromofluoromethane	*99.4*			*77-123*	*%REC*	*1*	*26-Jul-2023 20:41*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*100*	*27-Jul-2023 18:06*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*26-Jul-2023 20:41*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*100*	*27-Jul-2023 18:06*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW68B-20230719
Collection Date: 19-Jul-2023 08:35

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-08
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 21:04
2,4-Dimethylphenol	**0.0064**		**0.00040**	**0.0020**	**mg/L**	10	03-Aug-2023 21:04
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 21:04
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 21:04
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 21:04
2-Methylnaphthalene	**0.22**		**0.0019**	**0.010**	**mg/L**	100	09-Aug-2023 17:26
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 21:04
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 21:04
Acenaphthene	**0.065**		**0.00027**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Acenaphthylene	**0.00097**	J	**0.00015**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Anthracene	**0.022**		**0.00014**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Benz(a)anthracene	**0.0063**		**0.00050**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Benzo(a)pyrene	**0.0019**		**0.00020**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 21:04
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 21:04
Chrysene	**0.0053**		**0.00021**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 21:04
Dibenzofuran	**0.086**		**0.00020**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Fluoranthene	**0.043**		**0.00010**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Fluorene	**0.048**		**0.00030**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 21:04
Naphthalene	**2.8**		**0.020**	**0.10**	**mg/L**	1000	09-Aug-2023 17:47
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 21:04
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 21:04
Phenanthrene	**0.11**		**0.0021**	**0.010**	**mg/L**	100	09-Aug-2023 17:26
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 21:04
Pyrene	**0.025**		**0.00019**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*09-Aug-2023 17:26*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*09-Aug-2023 17:47*
Surr: 2,4,6-Tribromophenol	*93.3*			*34-129*	*%REC*	*10*	*03-Aug-2023 21:04*
Surr: 2-Fluorobiphenyl	*77.9*			*40-125*	*%REC*	*10*	*03-Aug-2023 21:04*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*09-Aug-2023 17:47*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*09-Aug-2023 17:26*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 17:26*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*09-Aug-2023 17:47*
Surr: 2-Fluorophenol	*80.3*			*20-120*	*%REC*	*10*	*03-Aug-2023 21:04*
Surr: 4-Terphenyl-d14	*91.8*			*40-135*	*%REC*	*10*	*03-Aug-2023 21:04*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*09-Aug-2023 17:47*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*09-Aug-2023 17:26*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW68B-20230719 Lab ID:HS23071331-08
Collection Date: 19-Jul-2023 08:35 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 26-Jul-2023		Analyst: GEY
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*09-Aug-2023 17:26*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*09-Aug-2023 17:47*
Surr: Nitrobenzene-d5	*64.5*			*41-120*	*%REC*	*10*	*03-Aug-2023 21:04*
Surr: Phenol-d6	*61.6*			*20-120*	*%REC*	*10*	*03-Aug-2023 21:04*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 17:26*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*09-Aug-2023 17:47*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.00582**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:16

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW68C-20230719 Lab ID:HS23071331-09
Collection Date: 19-Jul-2023 09:25 Matrix:GW

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	26-Jul-2023 21:02
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 02:30
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 21:02
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 02:30
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 21:02
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 02:30
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	28-Jul-2023 02:30
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*26-Jul-2023 21:02*
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*28-Jul-2023 02:30*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*26-Jul-2023 21:02*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*28-Jul-2023 02:30*
Surr: Dibromofluoromethane	*94.8*			*77-123*	*%REC*	*1*	*26-Jul-2023 21:02*
Surr: Dibromofluoromethane	*99.3*			*77-123*	*%REC*	*1*	*28-Jul-2023 02:30*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*26-Jul-2023 21:02*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*28-Jul-2023 02:30*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW68C-20230719
Collection Date: 19-Jul-2023 09:25

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-09
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	09-Aug-2023 18:08
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	09-Aug-2023 18:08
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	09-Aug-2023 18:08
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	09-Aug-2023 18:08
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	09-Aug-2023 18:08
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	09-Aug-2023 18:08
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	09-Aug-2023 18:08
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	09-Aug-2023 18:08
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	09-Aug-2023 18:08
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	09-Aug-2023 18:08
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	09-Aug-2023 18:08
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	09-Aug-2023 18:08
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	09-Aug-2023 18:08
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	09-Aug-2023 18:08
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	09-Aug-2023 18:08
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	09-Aug-2023 18:08
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	09-Aug-2023 18:08
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	09-Aug-2023 18:08
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	09-Aug-2023 18:08
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	09-Aug-2023 18:08
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	09-Aug-2023 18:08
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	09-Aug-2023 18:08
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	09-Aug-2023 18:08
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	09-Aug-2023 18:08
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	09-Aug-2023 18:08
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	09-Aug-2023 18:08
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	09-Aug-2023 18:08
Surr: 2,4,6-Tribromophenol	*68.5*			*34-129*	*%REC*	*10*	*09-Aug-2023 18:08*
Surr: 2-Fluorobiphenyl	*64.5*			*40-125*	*%REC*	*10*	*09-Aug-2023 18:08*
Surr: 2-Fluorophenol	*58.5*			*20-120*	*%REC*	*10*	*09-Aug-2023 18:08*
Surr: 4-Terphenyl-d14	*101*			*40-135*	*%REC*	*10*	*09-Aug-2023 18:08*
Surr: Nitrobenzene-d5	*56.0*			*41-120*	*%REC*	*10*	*09-Aug-2023 18:08*
Surr: Phenol-d6	*55.3*			*20-120*	*%REC*	*10*	*09-Aug-2023 18:08*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	02-Aug-2023 22:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW84B-20230719 Lab ID:HS23071331-10
Collection Date: 19-Jul-2023 10:15 Matrix:GW

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	26-Jul-2023 21:23
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 21:23
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 21:23
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 21:23
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 21:23
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 21:23
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 21:23
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*1*	*26-Jul-2023 21:23*
Surr: 4-Bromofluorobenzene	*97.2*			*77-113*	*%REC*	*1*	*26-Jul-2023 21:23*
Surr: Dibromofluoromethane	*98.7*			*77-123*	*%REC*	*1*	*26-Jul-2023 21:23*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*26-Jul-2023 21:23*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW84B-20230719
Collection Date: 19-Jul-2023 10:15

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-10
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 21:51
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	03-Aug-2023 21:51
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 21:51
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 21:51
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 21:51
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 21:51
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 21:51
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 21:51
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	03-Aug-2023 21:51
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 21:51
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	03-Aug-2023 21:51
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 21:51
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 21:51
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 21:51
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 21:51
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 21:51
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 21:51
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 21:51
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	03-Aug-2023 21:51
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	03-Aug-2023 21:51
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 21:51
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 21:51
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 21:51
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 21:51
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 21:51
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 21:51
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 21:51
Surr: 2,4,6-Tribromophenol	*88.4*			*34-129*	*%REC*	*10*	*03-Aug-2023 21:51*
Surr: 2-Fluorobiphenyl	*82.4*			*40-125*	*%REC*	*10*	*03-Aug-2023 21:51*
Surr: 2-Fluorophenol	*56.9*			*20-120*	*%REC*	*10*	*03-Aug-2023 21:51*
Surr: 4-Terphenyl-d14	*94.5*			*40-135*	*%REC*	*10*	*03-Aug-2023 21:51*
Surr: Nitrobenzene-d5	*61.8*			*41-120*	*%REC*	*10*	*03-Aug-2023 21:51*
Surr: Phenol-d6	*60.8*			*20-120*	*%REC*	*10*	*03-Aug-2023 21:51*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.00112**	J	**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW84A-20230719 Lab ID:HS23071331-11
Collection Date: 19-Jul-2023 12:25 Matrix:GW

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	26-Jul-2023 21:44
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 21:44
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 21:44
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 21:44
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 21:44
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 21:44
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 21:44
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*26-Jul-2023 21:44*
Surr: 4-Bromofluorobenzene	*99.2*			*77-113*	*%REC*	*1*	*26-Jul-2023 21:44*
Surr: Dibromofluoromethane	*96.4*			*77-123*	*%REC*	*1*	*26-Jul-2023 21:44*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*26-Jul-2023 21:44*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW84A-20230719
Collection Date: 19-Jul-2023 12:25

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-11
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 22:15
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	03-Aug-2023 22:15
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 22:15
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 22:15
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 22:15
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 22:15
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 22:15
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 22:15
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	03-Aug-2023 22:15
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 22:15
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	03-Aug-2023 22:15
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 22:15
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 22:15
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 22:15
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 22:15
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 22:15
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 22:15
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 22:15
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	03-Aug-2023 22:15
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	03-Aug-2023 22:15
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 22:15
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 22:15
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 22:15
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 22:15
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 22:15
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 22:15
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 22:15
Surr: 2,4,6-Tribromophenol	*79.2*			*34-129*	*%REC*	*10*	*03-Aug-2023 22:15*
Surr: 2-Fluorobiphenyl	*72.3*			*40-125*	*%REC*	*10*	*03-Aug-2023 22:15*
Surr: 2-Fluorophenol	*55.8*			*20-120*	*%REC*	*10*	*03-Aug-2023 22:15*
Surr: 4-Terphenyl-d14	*87.1*			*40-135*	*%REC*	*10*	*03-Aug-2023 22:15*
Surr: Nitrobenzene-d5	*57.4*			*41-120*	*%REC*	*10*	*03-Aug-2023 22:15*
Surr: Phenol-d6	*57.0*			*20-120*	*%REC*	*10*	*03-Aug-2023 22:15*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.0148**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:26

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW90A-20230719 Lab ID:HS23071331-12
Collection Date: 19-Jul-2023 13:20 Matrix:GW

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	26-Jul-2023 22:05
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 22:05
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 22:05
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 22:05
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 22:05
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 22:05
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 22:05
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*1*	*26-Jul-2023 22:05*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*26-Jul-2023 22:05*
Surr: Dibromofluoromethane	*97.9*			*77-123*	*%REC*	*1*	*26-Jul-2023 22:05*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*26-Jul-2023 22:05*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW90A-20230719
Collection Date: 19-Jul-2023 13:20

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-12
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 22:39
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	03-Aug-2023 22:39
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 22:39
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 22:39
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 22:39
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 22:39
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 22:39
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 22:39
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	03-Aug-2023 22:39
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 22:39
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	03-Aug-2023 22:39
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 22:39
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 22:39
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 22:39
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 22:39
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 22:39
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 22:39
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 22:39
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	03-Aug-2023 22:39
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	03-Aug-2023 22:39
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 22:39
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 22:39
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 22:39
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 22:39
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 22:39
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 22:39
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 22:39
Surr: 2,4,6-Tribromophenol	*74.8*			*34-129*	*%REC*	*10*	*03-Aug-2023 22:39*
Surr: 2-Fluorobiphenyl	*68.9*			*40-125*	*%REC*	*10*	*03-Aug-2023 22:39*
Surr: 2-Fluorophenol	*51.9*			*20-120*	*%REC*	*10*	*03-Aug-2023 22:39*
Surr: 4-Terphenyl-d14	*80.9*			*40-135*	*%REC*	*10*	*03-Aug-2023 22:39*
Surr: Nitrobenzene-d5	*52.3*			*41-120*	*%REC*	*10*	*03-Aug-2023 22:39*
Surr: Phenol-d6	*57.1*			*20-120*	*%REC*	*10*	*03-Aug-2023 22:39*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.00138**	J	**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW92B-20230719 Lab ID:HS23071331-13
Collection Date: 19-Jul-2023 14:15 Matrix:GW

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	26-Jul-2023 22:26
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 22:26
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 22:26
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 22:26
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 22:26
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 22:26
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 22:26
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*26-Jul-2023 22:26*
Surr: 4-Bromofluorobenzene	*96.0*			*77-113*	*%REC*	*1*	*26-Jul-2023 22:26*
Surr: Dibromofluoromethane	*94.9*			*77-123*	*%REC*	*1*	*26-Jul-2023 22:26*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*26-Jul-2023 22:26*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW92B-20230719
Collection Date: 19-Jul-2023 14:15

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-13
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 23:03
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	03-Aug-2023 23:03
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 23:03
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 23:03
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 23:03
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 23:03
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 23:03
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 23:03
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	03-Aug-2023 23:03
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 23:03
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	03-Aug-2023 23:03
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 23:03
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 23:03
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 23:03
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 23:03
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 23:03
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 23:03
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 23:03
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	03-Aug-2023 23:03
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	03-Aug-2023 23:03
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 23:03
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 23:03
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 23:03
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 23:03
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 23:03
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 23:03
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 23:03
Surr: 2,4,6-Tribromophenol	*83.9*			*34-129*	*%REC*	*10*	*03-Aug-2023 23:03*
Surr: 2-Fluorobiphenyl	*78.4*			*40-125*	*%REC*	*10*	*03-Aug-2023 23:03*
Surr: 2-Fluorophenol	*57.9*			*20-120*	*%REC*	*10*	*03-Aug-2023 23:03*
Surr: 4-Terphenyl-d14	*90.9*			*40-135*	*%REC*	*10*	*03-Aug-2023 23:03*
Surr: Nitrobenzene-d5	*60.1*			*41-120*	*%REC*	*10*	*03-Aug-2023 23:03*
Surr: Phenol-d6	*63.9*			*20-120*	*%REC*	*10*	*03-Aug-2023 23:03*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.000871**	J	**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW63B-20230719 Lab ID:HS23071331-14
Collection Date: 19-Jul-2023 15:10 Matrix:GW

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	26-Jul-2023 22:47
Benzene	**0.24**		**0.0020**	**0.010**	**mg/L**	10	27-Jul-2023 18:27
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 22:47
Ethylbenzene	**0.013**		**0.00030**	**0.0010**	**mg/L**	1	26-Jul-2023 22:47
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 22:47
Toluene	**0.0046**		**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 22:47
Xylenes, Total	**0.013**		**0.00030**	**0.0030**	**mg/L**	1	26-Jul-2023 22:47
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*26-Jul-2023 22:47*
Surr: 1,2-Dichloroethane-d4	*122*			*70-126*	*%REC*	*10*	*27-Jul-2023 18:27*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*1*	*26-Jul-2023 22:47*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*10*	*27-Jul-2023 18:27*
Surr: Dibromofluoromethane	*97.9*			*77-123*	*%REC*	*1*	*26-Jul-2023 22:47*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*10*	*27-Jul-2023 18:27*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*26-Jul-2023 22:47*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*10*	*27-Jul-2023 18:27*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW63B-20230719
Collection Date: 19-Jul-2023 15:10

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-14
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 23:26
2,4-Dimethylphenol	**0.0071**		**0.00040**	**0.0020**	**mg/L**	10	03-Aug-2023 23:26
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 23:26
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 23:26
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 23:26
2-Methylnaphthalene	**0.019**		**0.00019**	**0.0010**	**mg/L**	10	03-Aug-2023 23:26
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 23:26
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 23:26
Acenaphthene	**0.0049**		**0.00027**	**0.0010**	**mg/L**	10	03-Aug-2023 23:26
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 23:26
Anthracene	**0.00021**	J	**0.00014**	**0.0010**	**mg/L**	10	03-Aug-2023 23:26
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 23:26
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 23:26
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 23:26
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 23:26
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 23:26
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 23:26
Dibenzofuran	**0.0049**		**0.00020**	**0.0010**	**mg/L**	10	03-Aug-2023 23:26
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	03-Aug-2023 23:26
Fluorene	**0.0018**		**0.00030**	**0.0010**	**mg/L**	10	03-Aug-2023 23:26
N-Nitrosodiphenylamine	**0.0016**	J	**0.00025**	**0.0020**	**mg/L**	10	03-Aug-2023 23:26
Naphthalene	**0.80**		**0.0020**	**0.010**	**mg/L**	100	09-Aug-2023 18:29
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 23:26
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 23:26
Phenanthrene	**0.00058**	J	**0.00021**	**0.0010**	**mg/L**	10	03-Aug-2023 23:26
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 23:26
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 23:26
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*09-Aug-2023 18:29*
Surr: 2,4,6-Tribromophenol	*89.0*			*34-129*	*%REC*	*10*	*03-Aug-2023 23:26*
Surr: 2-Fluorobiphenyl	*68.3*			*40-125*	*%REC*	*10*	*03-Aug-2023 23:26*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*09-Aug-2023 18:29*
Surr: 2-Fluorophenol	*50.2*			*20-120*	*%REC*	*10*	*03-Aug-2023 23:26*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 18:29*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*09-Aug-2023 18:29*
Surr: 4-Terphenyl-d14	*91.2*			*40-135*	*%REC*	*10*	*03-Aug-2023 23:26*
Surr: Nitrobenzene-d5	*51.6*			*41-120*	*%REC*	*10*	*03-Aug-2023 23:26*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*09-Aug-2023 18:29*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 18:29*
Surr: Phenol-d6	*51.6*			*20-120*	*%REC*	*10*	*03-Aug-2023 23:26*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW63B-20230719 Lab ID:HS23071331-14
Collection Date: 19-Jul-2023 15:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.00224**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:32

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW22AR-20230719 Lab ID:HS23071331-15
Collection Date: 19-Jul-2023 16:20 Matrix:GW

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	26-Jul-2023 23:08
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 23:08
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 23:08
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 23:08
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 23:08
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 23:08
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 23:08
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*1*	*26-Jul-2023 23:08*
Surr: 4-Bromofluorobenzene	*99.2*			*77-113*	*%REC*	*1*	*26-Jul-2023 23:08*
Surr: Dibromofluoromethane	*99.9*			*77-123*	*%REC*	*1*	*26-Jul-2023 23:08*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*26-Jul-2023 23:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW22AR-20230719
Collection Date: 19-Jul-2023 16:20

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-15
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 23:50
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	03-Aug-2023 23:50
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 23:50
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 23:50
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 23:50
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 23:50
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 23:50
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 23:50
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	03-Aug-2023 23:50
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 23:50
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	03-Aug-2023 23:50
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 23:50
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 23:50
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 23:50
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 23:50
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 23:50
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 23:50
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 23:50
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	03-Aug-2023 23:50
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	03-Aug-2023 23:50
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 23:50
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 23:50
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 23:50
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 23:50
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 23:50
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 23:50
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 23:50
Surr: 2,4,6-Tribromophenol	*89.7*			*34-129*	*%REC*	*10*	*03-Aug-2023 23:50*
Surr: 2-Fluorobiphenyl	*83.9*			*40-125*	*%REC*	*10*	*03-Aug-2023 23:50*
Surr: 2-Fluorophenol	*64.4*			*20-120*	*%REC*	*10*	*03-Aug-2023 23:50*
Surr: 4-Terphenyl-d14	*95.1*			*40-135*	*%REC*	*10*	*03-Aug-2023 23:50*
Surr: Nitrobenzene-d5	*66.4*			*41-120*	*%REC*	*10*	*03-Aug-2023 23:50*
Surr: Phenol-d6	*64.6*			*20-120*	*%REC*	*10*	*03-Aug-2023 23:50*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.00206**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:34

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW22BR-20230719 Lab ID:HS23071331-16
Collection Date: 19-Jul-2023 17:15 Matrix:GW

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	26-Jul-2023 23:29
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 23:29
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 23:29
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 23:29
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 23:29
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 23:29
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 23:29
Surr: 1,2-Dichloroethane-d4	*110*			*70-126*	*%REC*	*1*	*26-Jul-2023 23:29*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*26-Jul-2023 23:29*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*26-Jul-2023 23:29*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*26-Jul-2023 23:29*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW22BR-20230719
Collection Date: 19-Jul-2023 17:15

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-16
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	09-Aug-2023 17:05
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	09-Aug-2023 17:05
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	09-Aug-2023 17:05
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	09-Aug-2023 17:05
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	09-Aug-2023 17:05
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	09-Aug-2023 17:05
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	09-Aug-2023 17:05
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	09-Aug-2023 17:05
Acenaphthene	**0.0031**		**0.00027**	**0.0010**	**mg/L**	10	09-Aug-2023 17:05
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	09-Aug-2023 17:05
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	09-Aug-2023 17:05
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	09-Aug-2023 17:05
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	09-Aug-2023 17:05
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	09-Aug-2023 17:05
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	09-Aug-2023 17:05
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	09-Aug-2023 17:05
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	09-Aug-2023 17:05
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	09-Aug-2023 17:05
Fluoranthene	**0.00040**	J	**0.00010**	**0.0010**	**mg/L**	10	09-Aug-2023 17:05
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	09-Aug-2023 17:05
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	09-Aug-2023 17:05
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	09-Aug-2023 17:05
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	09-Aug-2023 17:05
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	09-Aug-2023 17:05
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	09-Aug-2023 17:05
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	09-Aug-2023 17:05
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	09-Aug-2023 17:05
Surr: 2,4,6-Tribromophenol	*64.1*			*34-129*	*%REC*	*10*	*09-Aug-2023 17:05*
Surr: 2-Fluorobiphenyl	*71.9*			*40-125*	*%REC*	*10*	*09-Aug-2023 17:05*
Surr: 2-Fluorophenol	*44.7*			*20-120*	*%REC*	*10*	*09-Aug-2023 17:05*
Surr: 4-Terphenyl-d14	*93.2*			*40-135*	*%REC*	*10*	*09-Aug-2023 17:05*
Surr: Nitrobenzene-d5	*61.6*			*41-120*	*%REC*	*10*	*09-Aug-2023 17:05*
Surr: Phenol-d6	*52.3*			*20-120*	*%REC*	*10*	*09-Aug-2023 17:05*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.00603**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:36

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-TB05-20230719 Lab ID:HS23071331-17
Collection Date: 19-Jul-2023 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	27-Jul-2023 03:00
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 03:00
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 03:00
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 03:00
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 03:00
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 03:00
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2023 03:00
Surr: 1,2-Dichloroethane-d4	*120*			*70-126*	*%REC*	*1*	*27-Jul-2023 03:00*
Surr: 4-Bromofluorobenzene	*96.6*			*77-113*	*%REC*	*1*	*27-Jul-2023 03:00*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*27-Jul-2023 03:00*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*27-Jul-2023 03:00*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

Batch ID: 198033 **Start Date:** 25 Jul 2023 15:55 **End Date:** 25 Jul 2023 15:55
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071331-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198122 **Start Date:** 26 Jul 2023 17:13 **End Date:** 26 Jul 2023 17:13
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071331-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-15	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-16	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198395 **Start Date:** 02 Aug 2023 08:00 **End Date:** 02 Aug 2023 08:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071331-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-14		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-15		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-16		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198033 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS23071331-06	WG-1620-FB08-20230718	18 Jul 2023 17:30		25 Jul 2023 15:55	02 Aug 2023 19:02	1
Batch ID: 198033 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS23071331-01	WG-1620-MW83C-20230718	18 Jul 2023 14:25		25 Jul 2023 15:55	02 Aug 2023 17:04	10
HS23071331-02	WG-1620-MW83B-20230718	18 Jul 2023 15:20		25 Jul 2023 15:55	02 Aug 2023 17:27	10
HS23071331-03	WG-1620-FD04-20230718	18 Jul 2023 15:20		25 Jul 2023 15:55	09 Aug 2023 13:09	100
HS23071331-03	WG-1620-FD04-20230718	18 Jul 2023 15:20		25 Jul 2023 15:55	08 Aug 2023 14:49	10
HS23071331-04	WG-1620-MW35B-20230718	18 Jul 2023 16:15		25 Jul 2023 15:55	08 Aug 2023 15:35	10
HS23071331-04	WG-1620-MW35B-20230718	18 Jul 2023 16:15		25 Jul 2023 15:55	02 Aug 2023 18:15	1
HS23071331-05	WG-1620-MW35A-20230718	18 Jul 2023 17:05		25 Jul 2023 15:55	02 Aug 2023 18:38	1
Batch ID: 198122 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS23071331-07	WG-1620-MW68A-20230719	19 Jul 2023 07:45		26 Jul 2023 17:13	03 Aug 2023 20:40	10
HS23071331-08	WG-1620-MW68B-20230719	19 Jul 2023 08:35		26 Jul 2023 17:13	09 Aug 2023 17:47	1000
HS23071331-08	WG-1620-MW68B-20230719	19 Jul 2023 08:35		26 Jul 2023 17:13	09 Aug 2023 17:26	100
HS23071331-08	WG-1620-MW68B-20230719	19 Jul 2023 08:35		26 Jul 2023 17:13	03 Aug 2023 21:04	10
HS23071331-09	WG-1620-MW68C-20230719	19 Jul 2023 09:25		26 Jul 2023 17:13	09 Aug 2023 18:08	10
HS23071331-10	WG-1620-MW84B-20230719	19 Jul 2023 10:15		26 Jul 2023 17:13	03 Aug 2023 21:51	10
HS23071331-11	WG-1620-MW84A-20230719	19 Jul 2023 12:25		26 Jul 2023 17:13	03 Aug 2023 22:15	10
HS23071331-12	WG-1620-MW90A-20230719	19 Jul 2023 13:20		26 Jul 2023 17:13	03 Aug 2023 22:39	10
HS23071331-13	WG-1620-MW92B-20230719	19 Jul 2023 14:15		26 Jul 2023 17:13	03 Aug 2023 23:03	10
HS23071331-14	WG-1620-MW63B-20230719	19 Jul 2023 15:10		26 Jul 2023 17:13	09 Aug 2023 18:29	100
HS23071331-14	WG-1620-MW63B-20230719	19 Jul 2023 15:10		26 Jul 2023 17:13	03 Aug 2023 23:26	10
HS23071331-15	WG-1620-MW22AR-20230719	19 Jul 2023 16:20		26 Jul 2023 17:13	03 Aug 2023 23:50	10
HS23071331-16	WG-1620-MW22BR-20230719	19 Jul 2023 17:15		26 Jul 2023 17:13	09 Aug 2023 17:05	10
Batch ID: 198395 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS23071331-06	WG-1620-FB08-20230718	18 Jul 2023 17:30		02 Aug 2023 08:00	02 Aug 2023 22:11	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198395 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** GW	
HS23071331-01	WG-1620-MW83C-20230718	18 Jul 2023 14:25		02 Aug 2023 08:00	02 Aug 2023 21:43	1
HS23071331-02	WG-1620-MW83B-20230718	18 Jul 2023 15:20		02 Aug 2023 08:00	02 Aug 2023 22:03	1
HS23071331-03	WG-1620-FD04-20230718	18 Jul 2023 15:20		02 Aug 2023 08:00	02 Aug 2023 22:05	1
HS23071331-04	WG-1620-MW35B-20230718	18 Jul 2023 16:15		02 Aug 2023 08:00	02 Aug 2023 22:07	1
HS23071331-05	WG-1620-MW35A-20230718	18 Jul 2023 17:05		02 Aug 2023 08:00	02 Aug 2023 22:09	1
HS23071331-07	WG-1620-MW68A-20230719	19 Jul 2023 07:45		02 Aug 2023 08:00	02 Aug 2023 22:13	1
HS23071331-08	WG-1620-MW68B-20230719	19 Jul 2023 08:35		02 Aug 2023 08:00	02 Aug 2023 22:16	1
HS23071331-09	WG-1620-MW68C-20230719	19 Jul 2023 09:25		02 Aug 2023 08:00	02 Aug 2023 22:22	1
HS23071331-10	WG-1620-MW84B-20230719	19 Jul 2023 10:15		02 Aug 2023 08:00	02 Aug 2023 22:24	1
HS23071331-11	WG-1620-MW84A-20230719	19 Jul 2023 12:25		02 Aug 2023 08:00	02 Aug 2023 22:26	1
HS23071331-12	WG-1620-MW90A-20230719	19 Jul 2023 13:20		02 Aug 2023 08:00	02 Aug 2023 22:28	1
HS23071331-13	WG-1620-MW92B-20230719	19 Jul 2023 14:15		02 Aug 2023 08:00	02 Aug 2023 22:30	1
HS23071331-14	WG-1620-MW63B-20230719	19 Jul 2023 15:10		02 Aug 2023 08:00	02 Aug 2023 22:32	1
HS23071331-15	WG-1620-MW22AR-20230719	19 Jul 2023 16:20		02 Aug 2023 08:00	02 Aug 2023 22:34	1
HS23071331-16	WG-1620-MW22BR-20230719	19 Jul 2023 17:15		02 Aug 2023 08:00	02 Aug 2023 22:36	1
Batch ID: R442448 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS23071331-06	WG-1620-FB08-20230718	18 Jul 2023 17:30			26 Jul 2023 17:32	1
Batch ID: R442448 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071331-01	WG-1620-MW83C-20230718	18 Jul 2023 14:25			26 Jul 2023 17:53	1
HS23071331-02	WG-1620-MW83B-20230718	18 Jul 2023 15:20			26 Jul 2023 18:56	1
HS23071331-03	WG-1620-FD04-20230718	18 Jul 2023 15:20			26 Jul 2023 19:17	1
HS23071331-04	WG-1620-MW35B-20230718	18 Jul 2023 16:15			26 Jul 2023 19:38	1
HS23071331-05	WG-1620-MW35A-20230718	18 Jul 2023 17:05			26 Jul 2023 19:59	1
HS23071331-07	WG-1620-MW68A-20230719	19 Jul 2023 07:45			26 Jul 2023 20:20	50
HS23071331-08	WG-1620-MW68B-20230719	19 Jul 2023 08:35			26 Jul 2023 20:41	1
HS23071331-09	WG-1620-MW68C-20230719	19 Jul 2023 09:25			26 Jul 2023 21:02	1
HS23071331-10	WG-1620-MW84B-20230719	19 Jul 2023 10:15			26 Jul 2023 21:23	1
HS23071331-11	WG-1620-MW84A-20230719	19 Jul 2023 12:25			26 Jul 2023 21:44	1
HS23071331-12	WG-1620-MW90A-20230719	19 Jul 2023 13:20			26 Jul 2023 22:05	1
HS23071331-13	WG-1620-MW92B-20230719	19 Jul 2023 14:15			26 Jul 2023 22:26	1
HS23071331-14	WG-1620-MW63B-20230719	19 Jul 2023 15:10			26 Jul 2023 22:47	1
HS23071331-15	WG-1620-MW22AR-20230719	19 Jul 2023 16:20			26 Jul 2023 23:08	1
HS23071331-16	WG-1620-MW22BR-20230719	19 Jul 2023 17:15			26 Jul 2023 23:29	1
Batch ID: R442461 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS23071331-17	WG-1620-TB05-20230719	19 Jul 2023 00:00			27 Jul 2023 03:00	1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R442566 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071331-08	WG-1620-MW68B-20230719	19 Jul 2023 08:35			27 Jul 2023 18:06	100
HS23071331-14	WG-1620-MW63B-20230719	19 Jul 2023 15:10			27 Jul 2023 18:27	10
Batch ID: R442568 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071331-09	WG-1620-MW68C-20230719	19 Jul 2023 09:25			28 Jul 2023 02:30	1

WorkOrder: HS23071331
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	0.00137	0.000400	0.00200

WorkOrder: HS23071331
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	0.0010
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	Di-n-butyl phthalate	84-74-2	0.00010	0.000079	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.000037	0.000020	0.00010
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	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000069	0.000025	0.00020
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	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: HS23071331
InstrumentID: SV-10
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000082	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	0.000064	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000082	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000090	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000079	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00039	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000078	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.000070	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.000075	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.000073	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.000077	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.000080	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000098	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.000079	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000088	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.000071	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.000093	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.000079	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000086	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.000084	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.00011	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000028	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00010	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000098	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.000092	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: HS23071331
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	0.000073	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000059	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000064	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000084	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000078	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000039	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000061	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000068	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000043	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000050	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000045	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000051	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000041	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000083	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000058	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000044	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000061	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.000039	0.000020	0.00010
A	Fluoranthene	206-44-0	0.000050	0.000047	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000047	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000060	0.000025	0.00020
A	Naphthalene	91-20-3	0.000050	0.000048	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000093	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000036	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000048	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000084	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: HS23071331
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	0.00058	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00050	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00053	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00038	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.0013	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00045	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0011	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198395 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-198395** Units: **mg/L** Analysis Date: **02-Aug-2023 21:35**
Client ID: Run ID: **ICPMS06_442976** SeqNo: **7468219** PrepDate: **02-Aug-2023** 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-198395** Units: **mg/L** Analysis Date: **02-Aug-2023 21:37**
Client ID: Run ID: **ICPMS06_442976** SeqNo: **7468220** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05094	0.00200	0.05	0	102	80 - 120				

MS Sample ID: **HS23071331-01MS** Units: **mg/L** Analysis Date: **02-Aug-2023 21:47**
Client ID: **WG-1620-MW83C-20230718** Run ID: **ICPMS06_442976** SeqNo: **7468225** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.048	0.00200	0.05	0.000303	95.4	80 - 120				

MSD Sample ID: **HS23071331-01MSD** Units: **mg/L** Analysis Date: **02-Aug-2023 21:49**
Client ID: **WG-1620-MW83C-20230718** Run ID: **ICPMS06_442976** SeqNo: **7468226** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04882	0.00200	0.05	0.000303	97.0	80 - 120	0.048	1.68	20	

PDS Sample ID: **HS23071331-01PDS** Units: **mg/L** Analysis Date: **02-Aug-2023 21:51**
Client ID: **WG-1620-MW83C-20230718** Run ID: **ICPMS06_442976** SeqNo: **7468227** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09703	0.00200	0.1	0.000303	96.7	75 - 125				

SD Sample ID: **HS23071331-01SD** Units: **mg/L** Analysis Date: **02-Aug-2023 21:45**
Client ID: **WG-1620-MW83C-20230718** Run ID: **ICPMS06_442976** SeqNo: **7468224** PrepDate: **02-Aug-2023** 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					0.000303	0	10	

The following samples were analyzed in this batch:

HS23071331-01	HS23071331-02	HS23071331-03	HS23071331-04
HS23071331-05	HS23071331-06	HS23071331-07	HS23071331-08
HS23071331-09	HS23071331-10	HS23071331-11	HS23071331-12
HS23071331-13	HS23071331-14	HS23071331-15	HS23071331-16

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198033 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-198033** Units: **ug/L** Analysis Date: **02-Aug-2023 13:33**
Client ID: Run ID: **SV-8_443407** SeqNo: **7477725** PrepDate: **25-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.3*	*0.20*	*5*	*0*	*66.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.807*	*0.20*	*5*	*0*	*76.1*	*40 - 125*				
Surr: 2-Fluorophenol	*3.086*	*0.20*	*5*	*0*	*61.7*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.156*	*0.20*	*5*	*0*	*83.1*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.117*	*0.20*	*5*	*0*	*62.3*	*41 - 120*				
Surr: Phenol-d6	*3.284*	*0.20*	*5*	*0*	*65.7*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198033 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-198033** Units: **ug/L** Analysis Date: **02-Aug-2023 13:56**
Client ID: Run ID: **SV-8_443407** SeqNo: **7477726** PrepDate: **25-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.65	0.20	5	0	73.0	39 - 127				
2,4-Dimethylphenol	3.58	0.20	5	0	71.6	35 - 120				
2,4-Dinitrotoluene	4.117	0.20	5	0	82.3	50 - 122				
2,6-Dinitrotoluene	3.881	0.20	5	0	77.6	50 - 120				
2-Chloronaphthalene	4.219	0.20	5	0	84.4	50 - 120				
2-Methylnaphthalene	3.714	0.10	5	0	74.3	50 - 120				
4,6-Dinitro-2-methylphenol	4.328	1.0	5	0	86.6	25 - 121				
4-Nitrophenol	4.312	1.0	5	0	86.2	30 - 130				
Acenaphthene	3.478	0.10	5	0	69.6	45 - 120				
Acenaphthylene	3.685	0.10	5	0	73.7	47 - 120				
Anthracene	3.828	0.10	5	0	76.6	45 - 120				
Benz(a)anthracene	4.021	0.10	5	0	80.4	40 - 120				
Benzo(a)pyrene	4.297	0.10	5	0	85.9	45 - 120				
Bis(2-chloroethoxy)methane	3.398	0.20	5	0	68.0	45 - 120				
Bis(2-ethylhexyl)phthalate	3.745	0.20	5	0	74.9	40 - 139				
Chrysene	3.934	0.10	5	0	78.7	43 - 120				
Dibenzofuran	3.833	0.10	5	0	76.7	50 - 120				
Di-n-butyl phthalate	3.837	0.20	5	0	76.7	45 - 123				
Fluoranthene	4.077	0.10	5	0	81.5	45 - 125				
Fluorene	3.888	0.10	5	0	77.8	49 - 120				
Naphthalene	3.594	0.10	5	0	71.9	45 - 120				
Nitrobenzene	3.226	0.20	5	0	64.5	44 - 120				
N-Nitrosodiphenylamine	3.748	0.20	5	0	75.0	40 - 125				
Pentachlorophenol	3.954	0.20	5	0	79.1	19 - 121				
Phenanthrene	3.651	0.10	5	0	73.0	45 - 121				
Phenol	3.402	0.20	5	0	68.0	20 - 124				
Pyrene	3.803	0.10	5	0	76.1	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.799*	*0.20*	*5*	*0*	*76.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.767*	*0.20*	*5*	*0*	*75.3*	*40 - 125*				
Surr: 2-Fluorophenol	*2.988*	*0.20*	*5*	*0*	*59.8*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.891*	*0.20*	*5*	*0*	*77.8*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.032*	*0.20*	*5*	*0*	*60.6*	*41 - 120*				
Surr: Phenol-d6	*3.147*	*0.20*	*5*	*0*	*62.9*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198033 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-198033** Units: **ug/L** Analysis Date: **02-Aug-2023 14:20**
Client ID: Run ID: **SV-8_443407** SeqNo: **7477727** PrepDate: **25-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.64	0.20	5	0	72.8	39 - 127	3.65	0.284	20	
2,4-Dimethylphenol	3.587	0.20	5	0	71.7	35 - 120	3.58	0.192	20	
2,4-Dinitrotoluene	4.041	0.20	5	0	80.8	50 - 122	4.117	1.85	20	
2,6-Dinitrotoluene	3.883	0.20	5	0	77.7	50 - 120	3.881	0.0571	20	
2-Chloronaphthalene	4.032	0.20	5	0	80.6	50 - 120	4.219	4.52	20	
2-Methylnaphthalene	3.798	0.10	5	0	76.0	50 - 120	3.714	2.23	20	
4,6-Dinitro-2-methylphenol	4.442	1.0	5	0	88.8	25 - 121	4.328	2.6	30	
4-Nitrophenol	4.124	1.0	5	0	82.5	30 - 130	4.312	4.45	20	
Acenaphthene	3.454	0.10	5	0	69.1	45 - 120	3.478	0.704	20	
Acenaphthylene	3.652	0.10	5	0	73.0	47 - 120	3.685	0.915	20	
Anthracene	3.839	0.10	5	0	76.8	45 - 120	3.828	0.294	20	
Benz(a)anthracene	3.883	0.10	5	0	77.7	40 - 120	4.021	3.49	20	
Benzo(a)pyrene	4.188	0.10	5	0	83.8	45 - 120	4.297	2.57	20	
Bis(2-chloroethoxy)methane	3.431	0.20	5	0	68.6	45 - 120	3.398	0.979	20	
Bis(2-ethylhexyl)phthalate	3.632	0.20	5	0	72.6	40 - 139	3.745	3.06	20	
Chrysene	3.89	0.10	5	0	77.8	43 - 120	3.934	1.12	20	
Dibenzofuran	3.734	0.10	5	0	74.7	50 - 120	3.833	2.62	20	
Di-n-butyl phthalate	3.827	0.20	5	0	76.5	45 - 123	3.837	0.264	20	
Fluoranthene	4.033	0.10	5	0	80.7	45 - 125	4.077	1.08	20	
Fluorene	3.823	0.10	5	0	76.5	49 - 120	3.888	1.69	20	
Naphthalene	3.634	0.10	5	0	72.7	45 - 120	3.594	1.09	20	
Nitrobenzene	3.319	0.20	5	0	66.4	44 - 120	3.226	2.83	20	
N-Nitrosodiphenylamine	3.752	0.20	5	0	75.0	40 - 125	3.748	0.106	20	
Pentachlorophenol	4.003	0.20	5	0	80.1	19 - 121	3.954	1.23	20	
Phenanthrene	3.819	0.10	5	0	76.4	45 - 121	3.651	4.51	20	
Phenol	3.38	0.20	5	0	67.6	20 - 124	3.402	0.657	20	
Pyrene	3.657	0.10	5	0	73.1	40 - 130	3.803	3.93	20	
Surr: 2,4,6-Tribromophenol	*3.738*	*0.20*	*5*	*0*	*74.8*	*34 - 129*	*3.799*	*1.61*	*20*	
Surr: 2-Fluorobiphenyl	*3.711*	*0.20*	*5*	*0*	*74.2*	*40 - 125*	*3.767*	*1.51*	*20*	
Surr: 2-Fluorophenol	*2.907*	*0.20*	*5*	*0*	*58.1*	*20 - 120*	*2.988*	*2.75*	*20*	
Surr: 4-Terphenyl-d14	*3.828*	*0.20*	*5*	*0*	*76.6*	*40 - 135*	*3.891*	*1.62*	*20*	
Surr: Nitrobenzene-d5	*3.445*	*0.20*	*5*	*0*	*68.9*	*41 - 120*	*3.032*	*12.7*	*20*	
Surr: Phenol-d6	*3.085*	*0.20*	*5*	*0*	*61.7*	*20 - 120*	*3.147*	*2*	*20*	

The following samples were analyzed in this batch: HS23071331-01 HS23071331-02 HS23071331-03 HS23071331-04 HS23071331-05 HS23071331-06

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198122 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-198122** Units: **ug/L** Analysis Date: **31-Jul-2023 14:29**
Client ID: Run ID: **SV-7_442783** SeqNo: **7462553** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*4.074*	*0.20*	*5*	*0*	*81.5*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.933*	*0.20*	*5*	*0*	*78.7*	*40 - 125*				
Surr: 2-Fluorophenol	*3.19*	*0.20*	*5*	*0*	*63.8*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.528*	*0.20*	*5*	*0*	*111*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.539*	*0.20*	*5*	*0*	*70.8*	*41 - 120*				
Surr: Phenol-d6	*3.295*	*0.20*	*5*	*0*	*65.9*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198122 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-198122** Units: **ug/L** Analysis Date: **31-Jul-2023 14:50**
Client ID: Run ID: **SV-7_442783** SeqNo: **7462554** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.524	0.20	5	0	70.5	39 - 127				
2,4-Dimethylphenol	2.874	0.20	5	0	57.5	35 - 120				
2,4-Dinitrotoluene	3.415	0.20	5	0	68.3	50 - 122				
2,6-Dinitrotoluene	3.156	0.20	5	0	63.1	50 - 120				
2-Chloronaphthalene	3.102	0.20	5	0	62.0	50 - 120				
2-Methylnaphthalene	3.049	0.10	5	0	61.0	50 - 120				
4,6-Dinitro-2-methylphenol	2.745	1.0	5	0	54.9	25 - 121				
4-Nitrophenol	3.083	1.0	5	0	61.7	30 - 130				
Acenaphthene	2.9	0.10	5	0	58.0	45 - 120				
Acenaphthylene	2.96	0.10	5	0	59.2	47 - 120				
Anthracene	3.14	0.10	5	0	62.8	45 - 120				
Benz(a)anthracene	3.512	0.10	5	0	70.2	40 - 120				
Benzo(a)pyrene	3.757	0.10	5	0	75.1	45 - 120				
Bis(2-chloroethoxy)methane	3.127	0.20	5	0	62.5	45 - 120				
Bis(2-ethylhexyl)phthalate	3.434	0.20	5	0	68.7	40 - 139				
Chrysene	3.736	0.10	5	0	74.7	43 - 120				
Dibenzofuran	3.088	0.10	5	0	61.8	50 - 120				
Di-n-butyl phthalate	3.59	0.20	5	0	71.8	45 - 123				
Fluoranthene	3.446	0.10	5	0	68.9	45 - 125				
Fluorene	3.103	0.10	5	0	62.1	49 - 120				
Naphthalene	2.93	0.10	5	0	58.6	45 - 120				
Nitrobenzene	3.049	0.20	5	0	61.0	44 - 120				
N-Nitrosodiphenylamine	3.174	0.20	5	0	63.5	40 - 125				
Pentachlorophenol	4.172	0.20	5	0	83.4	19 - 121				
Phenanthrene	3.116	0.10	5	0	62.3	45 - 121				
Phenol	2.907	0.20	5	0	58.1	20 - 124				
Pyrene	3.321	0.10	5	0	66.4	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.202*	*0.20*	*5*	*0*	*64.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.114*	*0.20*	*5*	*0*	*62.3*	*40 - 125*				
Surr: 2-Fluorophenol	*2.615*	*0.20*	*5*	*0*	*52.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.939*	*0.20*	*5*	*0*	*78.8*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.298*	*0.20*	*5*	*0*	*66.0*	*41 - 120*				
Surr: Phenol-d6	*2.856*	*0.20*	*5*	*0*	*57.1*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198122 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-198122** Units: **ug/L** Analysis Date: **31-Jul-2023 15:12**
Client ID: Run ID: **SV-7_442783** SeqNo: **7462555** PrepDate: **26-Jul-2023** 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	3.524	4.54	20	
2,4-Dimethylphenol	2.911	0.20	5	0	58.2	35 - 120	2.874	1.26	20	
2,4-Dinitrotoluene	3.631	0.20	5	0	72.6	50 - 122	3.415	6.13	20	
2,6-Dinitrotoluene	3.289	0.20	5	0	65.8	50 - 120	3.156	4.15	20	
2-Chloronaphthalene	3.781	0.20	5	0	75.6	50 - 120	3.102	19.7	20	
2-Methylnaphthalene	3.041	0.10	5	0	60.8	50 - 120	3.049	0.237	20	
4,6-Dinitro-2-methylphenol	3.361	1.0	5	0	67.2	25 - 121	2.745	20.2	30	
4-Nitrophenol	3.23	1.0	5	0	64.6	30 - 130	3.083	4.67	20	
Acenaphthene	2.965	0.10	5	0	59.3	45 - 120	2.9	2.21	20	
Acenaphthylene	3.035	0.10	5	0	60.7	47 - 120	2.96	2.53	20	
Anthracene	3.123	0.10	5	0	62.5	45 - 120	3.14	0.535	20	
Benz(a)anthracene	3.835	0.10	5	0	76.7	40 - 120	3.512	8.79	20	
Benzo(a)pyrene	3.962	0.10	5	0	79.2	45 - 120	3.757	5.32	20	
Bis(2-chloroethoxy)methane	3.164	0.20	5	0	63.3	45 - 120	3.127	1.18	20	
Bis(2-ethylhexyl)phthalate	3.489	0.20	5	0	69.8	40 - 139	3.434	1.57	20	
Chrysene	3.652	0.10	5	0	73.0	43 - 120	3.736	2.27	20	
Dibenzofuran	3.147	0.10	5	0	62.9	50 - 120	3.088	1.89	20	
Di-n-butyl phthalate	3.64	0.20	5	0	72.8	45 - 123	3.59	1.39	20	
Fluoranthene	3.473	0.10	5	0	69.5	45 - 125	3.446	0.765	20	
Fluorene	3.208	0.10	5	0	64.2	49 - 120	3.103	3.33	20	
Naphthalene	2.929	0.10	5	0	58.6	45 - 120	2.93	0.0446	20	
Nitrobenzene	3.072	0.20	5	0	61.4	44 - 120	3.049	0.756	20	
N-Nitrosodiphenylamine	3.126	0.20	5	0	62.5	40 - 125	3.174	1.53	20	
Pentachlorophenol	4.234	0.20	5	0	84.7	19 - 121	4.172	1.48	20	
Phenanthrene	3.131	0.10	5	0	62.6	45 - 121	3.116	0.477	20	
Phenol	3.055	0.20	5	0	61.1	20 - 124	2.907	4.96	20	
Pyrene	3.21	0.10	5	0	64.2	40 - 130	3.321	3.4	20	
Surr: 2,4,6-Tribromophenol	*3.338*	*0.20*	*5*	*0*	*66.8*	*34 - 129*	*3.202*	*4.15*	*20*	
Surr: 2-Fluorobiphenyl	*3.214*	*0.20*	*5*	*0*	*64.3*	*40 - 125*	*3.114*	*3.16*	*20*	
Surr: 2-Fluorophenol	*2.788*	*0.20*	*5*	*0*	*55.8*	*20 - 120*	*2.615*	*6.4*	*20*	
Surr: 4-Terphenyl-d14	*3.837*	*0.20*	*5*	*0*	*76.7*	*40 - 135*	*3.939*	*2.63*	*20*	
Surr: Nitrobenzene-d5	*3.267*	*0.20*	*5*	*0*	*65.3*	*41 - 120*	*3.298*	*0.934*	*20*	
Surr: Phenol-d6	*2.953*	*0.20*	*5*	*0*	*59.1*	*20 - 120*	*2.856*	*3.35*	*20*	

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198122 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS23071331-07	HS23071331-08	HS23071331-09	HS23071331-10
HS23071331-11	HS23071331-12	HS23071331-13	HS23071331-14
HS23071331-15	HS23071331-16		

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442448 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230726** Units: **ug/L** Analysis Date: **26-Jul-2023 17:11**
Client ID: Run ID: **VOA11_442448** SeqNo: **7454121** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*50.34*	*1.0*	*50*	*0*	*101*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.65*	*1.0*	*50*	*0*	*97.3*	*77 - 113*				
Surr: Dibromofluoromethane	*48.34*	*1.0*	*50*	*0*	*96.7*	*73 - 126*				
Surr: Toluene-d8	*51.82*	*1.0*	*50*	*0*	*104*	*81 - 120*				

LCS Sample ID: **VLCSW-230726** Units: **ug/L** Analysis Date: **26-Jul-2023 16:29**
Client ID: Run ID: **VOA11_442448** SeqNo: **7454120** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.94	1.0	20	0	99.7	70 - 124				
Benzene	17.72	1.0	20	0	88.6	74 - 120				
Chlorobenzene	19.01	1.0	20	0	95.0	76 - 113				
Ethylbenzene	18.57	1.0	20	0	92.9	77 - 117				
Methylene chloride	20.19	2.0	20	0	101	70 - 127				
Toluene	19.8	1.0	20	0	99.0	77 - 118				
Xylenes, Total	57	3.0	60	0	95.0	75 - 122				
Surr: 1,2-Dichloroethane-d4	*49.29*	*1.0*	*50*	*0*	*98.6*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.5*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*48.02*	*1.0*	*50*	*0*	*96.0*	*73 - 126*				
Surr: Toluene-d8	*49.92*	*1.0*	*50*	*0*	*99.8*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442448 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23071331-01MS** Units: **ug/L** Analysis Date: **26-Jul-2023 18:14**
Client ID: **WG-1620-MW83C-20230718** Run ID: **VOA11_442448** SeqNo: **7454124** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.45	1.0	20	0	92.3	70 - 127				
Benzene	16.86	1.0	20	0	84.3	70 - 127				
Chlorobenzene	18.46	1.0	20	0	92.3	70 - 114				
Ethylbenzene	17.02	1.0	20	0	85.1	70 - 124				
Methylene chloride	17.48	2.0	20	0	87.4	70 - 128				
Toluene	18.22	1.0	20	0	91.1	70 - 123				
Xylenes, Total	51.16	3.0	60	0	85.3	70 - 130				
Surr: 1,2-Dichloroethane-d4	*49.48*	*1.0*	*50*	*0*	*99.0*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.57*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*48.38*	*1.0*	*50*	*0*	*96.8*	*77 - 123*				
Surr: Toluene-d8	*52.25*	*1.0*	*50*	*0*	*105*	*82 - 127*				

MSD Sample ID: **HS23071331-01MSD** Units: **ug/L** Analysis Date: **26-Jul-2023 18:35**
Client ID: **WG-1620-MW83C-20230718** Run ID: **VOA11_442448** SeqNo: **7454125** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.01	1.0	20	0	85.0	70 - 127	18.45	8.14	20	
Benzene	15.37	1.0	20	0	76.8	70 - 127	16.86	9.23	20	
Chlorobenzene	16.65	1.0	20	0	83.2	70 - 114	18.46	10.3	20	
Ethylbenzene	15.42	1.0	20	0	77.1	70 - 124	17.02	9.86	20	
Methylene chloride	15.28	2.0	20	0	76.4	70 - 128	17.48	13.4	20	
Toluene	17.25	1.0	20	0	86.3	70 - 123	18.22	5.44	20	
Xylenes, Total	48.6	3.0	60	0	81.0	70 - 130	51.16	5.14	20	
Surr: 1,2-Dichloroethane-d4	*51.17*	*1.0*	*50*	*0*	*102*	*70 - 126*	*49.48*	*3.36*	*20*	
Surr: 4-Bromofluorobenzene	*49.93*	*1.0*	*50*	*0*	*99.9*	*77 - 113*	*50.57*	*1.28*	*20*	
Surr: Dibromofluoromethane	*49.62*	*1.0*	*50*	*0*	*99.2*	*77 - 123*	*48.38*	*2.53*	*20*	
Surr: Toluene-d8	*51.02*	*1.0*	*50*	*0*	*102*	*82 - 127*	*52.25*	*2.39*	*20*	

The following samples were analyzed in this batch:

HS23071331-01	HS23071331-02	HS23071331-03	HS23071331-04
HS23071331-05	HS23071331-06	HS23071331-07	HS23071331-08
HS23071331-09	HS23071331-10	HS23071331-11	HS23071331-12
HS23071331-13	HS23071331-14	HS23071331-15	HS23071331-16

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442461 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230726** Units: **ug/L** Analysis Date: **27-Jul-2023 02:39**
Client ID: Run ID: **VOA11_442461** SeqNo: **7454484** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*57.24*	*1.0*	*50*	*0*	*114*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.66*	*1.0*	*50*	*0*	*99.3*	*77 - 113*				
Surr: Dibromofluoromethane	*51.1*	*1.0*	*50*	*0*	*102*	*73 - 126*				
Surr: Toluene-d8	*53.2*	*1.0*	*50*	*0*	*106*	*81 - 120*				

LCS Sample ID: **VLCSW-230726** Units: **ug/L** Analysis Date: **27-Jul-2023 01:57**
Client ID: Run ID: **VOA11_442461** SeqNo: **7454483** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	22.43	1.0	20	0	112	70 - 124				
Benzene	18.97	1.0	20	0	94.8	74 - 120				
Chlorobenzene	18.96	1.0	20	0	94.8	76 - 113				
Ethylbenzene	18.05	1.0	20	0	90.3	77 - 117				
Methylene chloride	20.11	2.0	20	0	101	70 - 127				
Toluene	20.11	1.0	20	0	101	77 - 118				
Xylenes, Total	55.71	3.0	60	0	92.9	75 - 122				
Surr: 1,2-Dichloroethane-d4	*56.15*	*1.0*	*50*	*0*	*112*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.1*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*50.97*	*1.0*	*50*	*0*	*102*	*73 - 126*				
Surr: Toluene-d8	*51.96*	*1.0*	*50*	*0*	*104*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442461 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23071416-01MS** Units: **ug/L** Analysis Date: **27-Jul-2023 04:24**
Client ID: Run ID: **VOA11_442461** SeqNo: **7454489** 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 - 127				
Benzene	15.55	1.0	20	0	77.7	70 - 127				
Chlorobenzene	16.8	1.0	20	0	84.0	70 - 114				
Ethylbenzene	15.69	1.0	20	0	78.4	70 - 124				
Methylene chloride	18.75	2.0	20	0	93.8	70 - 128				
Toluene	17.75	1.0	20	0	88.7	70 - 123				
Xylenes, Total	46.81	3.0	60	0	78.0	70 - 130				
Surr: 1,2-Dichloroethane-d4	*56.2*	*1.0*	*50*	*0*	*112*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.24*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*50.81*	*1.0*	*50*	*0*	*102*	*77 - 123*				
Surr: Toluene-d8	*51.92*	*1.0*	*50*	*0*	*104*	*82 - 127*				

MSD Sample ID: **HS23071416-01MSD** Units: **ug/L** Analysis Date: **27-Jul-2023 04:45**
Client ID: Run ID: **VOA11_442461** SeqNo: **7454490** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.53	1.0	20	0	92.6	70 - 127	18.23	1.59	20	
Benzene	16.02	1.0	20	0	80.1	70 - 127	15.55	2.99	20	
Chlorobenzene	16.08	1.0	20	0	80.4	70 - 114	16.8	4.37	20	
Ethylbenzene	15.36	1.0	20	0	76.8	70 - 124	15.69	2.13	20	
Methylene chloride	18.01	2.0	20	0	90.1	70 - 128	18.75	4.04	20	
Toluene	17.43	1.0	20	0	87.2	70 - 123	17.75	1.8	20	
Xylenes, Total	46.53	3.0	60	0	77.6	70 - 130	46.81	0.601	20	
Surr: 1,2-Dichloroethane-d4	*55.08*	*1.0*	*50*	*0*	*110*	*70 - 126*	*56.2*	*2.01*	*20*	
Surr: 4-Bromofluorobenzene	*51.98*	*1.0*	*50*	*0*	*104*	*77 - 113*	*50.24*	*3.41*	*20*	
Surr: Dibromofluoromethane	*51.95*	*1.0*	*50*	*0*	*104*	*77 - 123*	*50.81*	*2.21*	*20*	
Surr: Toluene-d8	*52.27*	*1.0*	*50*	*0*	*105*	*82 - 127*	*51.92*	*0.672*	*20*	

The following samples were analyzed in this batch: HS23071331-17

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442566 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230727** Units: **ug/L** Analysis Date: **27-Jul-2023 12:50**
Client ID: Run ID: **VOA11_442566** SeqNo: **7457108** 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								
Ethylbenzene	< 0.30	1.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*58.97*	*1.0*	*50*	*0*	*118*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*55.04*	*1.0*	*50*	*0*	*110*	*77 - 113*				
Surr: Dibromofluoromethane	*50.13*	*1.0*	*50*	*0*	*100*	*73 - 126*				
Surr: Toluene-d8	*53.73*	*1.0*	*50*	*0*	*107*	*81 - 120*				

LCS Sample ID: **VLCSW-230727** Units: **ug/L** Analysis Date: **27-Jul-2023 12:08**
Client ID: Run ID: **VOA11_442566** SeqNo: **7457107** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.24	1.0	20	0	91.2	74 - 120				
Ethylbenzene	18.54	1.0	20	0	92.7	77 - 117				
Toluene	20.3	1.0	20	0	102	77 - 118				
Xylenes, Total	57.45	3.0	60	0	95.7	75 - 122				
Surr: 1,2-Dichloroethane-d4	*57.62*	*1.0*	*50*	*0*	*115*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*54.58*	*1.0*	*50*	*0*	*109*	*77 - 113*				
Surr: Dibromofluoromethane	*50.27*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*53.25*	*1.0*	*50*	*0*	*107*	*81 - 120*				

MS Sample ID: **HS23071204-01MS** Units: **ug/L** Analysis Date: **27-Jul-2023 13:53**
Client ID: Run ID: **VOA11_442566** SeqNo: **7457110** PrepDate: DF: **20**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	339.7	20	400	0	84.9	70 - 127				
Ethylbenzene	339.3	20	400	0	84.8	70 - 124				
Toluene	392.6	20	400	0	98.2	70 - 123				
Xylenes, Total	1045	60	1200	0	87.1	70 - 130				
Surr: 1,2-Dichloroethane-d4	*1129*	*20*	*1000*	*0*	*113*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*1099*	*20*	*1000*	*0*	*110*	*77 - 113*				
Surr: Dibromofluoromethane	*984.4*	*20*	*1000*	*0*	*98.4*	*77 - 123*				
Surr: Toluene-d8	*1024*	*20*	*1000*	*0*	*102*	*82 - 127*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442566 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS23071204-01MSD** Units: **ug/L** Analysis Date: **27-Jul-2023 14:14**
Client ID: Run ID: **VOA11_442566** SeqNo: **7457111** PrepDate: DF: **20**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	302.6	20	400	0	75.6	70 - 127	339.7	11.6	20	
Ethylbenzene	326.5	20	400	0	81.6	70 - 124	339.3	3.83	20	
Toluene	355.4	20	400	0	88.8	70 - 123	392.6	9.95	20	
Xylenes, Total	978.9	60	1200	0	81.6	70 - 130	1045	6.56	20	
Surr: 1,2-Dichloroethane-d4	*1164*	*20*	*1000*	*0*	*116*	*70 - 126*	*1129*	*3.08*	*20*	
Surr: 4-Bromofluorobenzene	*1073*	*20*	*1000*	*0*	*107*	*77 - 113*	*1099*	*2.43*	*20*	
Surr: Dibromofluoromethane	*982.1*	*20*	*1000*	*0*	*98.2*	*77 - 123*	*984.4*	*0.236*	*20*	
Surr: Toluene-d8	*1074*	*20*	*1000*	*0*	*107*	*82 - 127*	*1024*	*4.7*	*20*	

The following samples were analyzed in this batch: HS23071331-08 HS23071331-14

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442568 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230727** Units: **ug/L** Analysis Date: **28-Jul-2023 01:48**
Client ID: Run ID: **VOA11_442568** SeqNo: **7457205** 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								
Ethylbenzene	< 0.30	1.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*52.42*	*1.0*	*50*	*0*	*105*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.17*	*1.0*	*50*	*0*	*96.3*	*77 - 113*				
Surr: Dibromofluoromethane	*46.54*	*1.0*	*50*	*0*	*93.1*	*73 - 126*				
Surr: Toluene-d8	*51.79*	*1.0*	*50*	*0*	*104*	*81 - 120*				

LCS Sample ID: **VLCSW-230727** Units: **ug/L** Analysis Date: **28-Jul-2023 01:06**
Client ID: Run ID: **VOA11_442568** SeqNo: **7457204** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.83	1.0	20	0	99.1	74 - 120				
Ethylbenzene	18.96	1.0	20	0	94.8	77 - 117				
Toluene	19.43	1.0	20	0	97.1	77 - 118				
Xylenes, Total	54.82	3.0	60	0	91.4	75 - 122				
Surr: 1,2-Dichloroethane-d4	*49.6*	*1.0*	*50*	*0*	*99.2*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.04*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*48.03*	*1.0*	*50*	*0*	*96.1*	*73 - 126*				
Surr: Toluene-d8	*50.71*	*1.0*	*50*	*0*	*101*	*81 - 120*				

MS Sample ID: **HS23071527-06MS** Units: **ug/L** Analysis Date: **28-Jul-2023 03:33**
Client ID: Run ID: **VOA11_442568** SeqNo: **7457210** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	16.72	1.0	20	0	83.6	70 - 127				
Ethylbenzene	16.53	1.0	20	0	82.6	70 - 124				
Toluene	17.5	1.0	20	0	87.5	70 - 123				
Xylenes, Total	48.53	3.0	60	0	80.9	70 - 130				
Surr: 1,2-Dichloroethane-d4	*51.06*	*1.0*	*50*	*0*	*102*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.74*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*48.9*	*1.0*	*50*	*0*	*97.8*	*77 - 123*				
Surr: Toluene-d8	*51.16*	*1.0*	*50*	*0*	*102*	*82 - 127*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442568 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS23071527-06MSD** Units: **ug/L** Analysis Date: **28-Jul-2023 03:54**
Client ID: Run ID: **VOA11_442568** SeqNo: **7457211** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	15.34	1.0	20	0	76.7	70 - 127	16.72	8.6	20	
Ethylbenzene	15	1.0	20	0	75.0	70 - 124	16.53	9.7	20	
Toluene	15.67	1.0	20	0	78.4	70 - 123	17.5	11	20	
Xylenes, Total	44.6	3.0	60	0	74.3	70 - 130	48.53	8.45	20	
Surr: 1,2-Dichloroethane-d4	*51.32*	*1.0*	*50*	*0*	*103*	*70 - 126*	*51.06*	*0.508*	*20*	
Surr: 4-Bromofluorobenzene	*49.53*	*1.0*	*50*	*0*	*99.1*	*77 - 113*	*50.74*	*2.41*	*20*	
Surr: Dibromofluoromethane	*47.84*	*1.0*	*50*	*0*	*95.7*	*77 - 123*	*48.9*	*2.2*	*20*	
Surr: Toluene-d8	*49.22*	*1.0*	*50*	*0*	*98.4*	*82 - 127*	*51.16*	*3.86*	*20*	

The following samples were analyzed in this batch: HS23071331-09

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: **HS23071331**

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	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23071331 **Date/Time Received:** **20-Jul-2023 10:55**

Client Name: PBW **Received by:** **Desmond Wacasey**

Completed By:	/S/ Nilesh D. Ranchod	23-Jul-2023 20:18	**Reviewed by:**	/S/ Bernadette A. Fini	24-Jul-2023 14:39
	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:295423/295422
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):	2.5C/2.4C,2.1C/2.0C,1.4C/1.3C,3.3C/3.2C UC/C	IR31
Cooler(s)/Kit(s):	50969/50527/50988/51433	
Date/Time sample(s) sent to storage:	07/20/2023 18:00	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes: Id Differ Chain = WG1620-MW-90A Labels = WG1620-MW-90B Logged per chain Date /Time Match

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 Forr

Page 1 of 2

COC ID: 295423

HS23071331

WSP Golder

Houston TX-Wood Preserving Works 1620-02

, WV

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@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-MW83C-20230718	7-18-23	1425	GW		6	X	X	X								
2	WG-1620-MW83B-20230718		1520	GW		6	X	X	X								
3	WG-1620-FD04-20230718		1520	GW		6	X	X	X								
4	WG-1620-MW35B-20230718		1615	GW		6	X	X	X								
5	WG-1620-MW35A-20230718		1705	GW		6	X	X	X								
6	WG-1620-FB08-20230718		1730	GW		6	X	X	X								
7	WG-1620-MW68A-20230719	7-19-23	0745	GW		6	X	X	X								
8	WG-1620-MW68B-20230719		0835	GW		6	X	X	X								
9	WG-1620-MW68C-20230719		0925	GW		6	X	X	X								
10	WG-1620-MW84B-20230719		1015	GW		6	X	X	X								

Sampler(s) Please Print & Sign: JOHN BRADY

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:	Time:	Received by:	Notes:
	7-20-23	1055	DW 7/20/23 1055	Houston TX-Wood Preserving Works 1620-02
Relinquished by:	Date:	Time:	Received by (Laboratory):	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.
509169	2.5C
505277	2.1C
50988	1.4C
51433	3.3C

QC Package: (Check One Box Below)

☐ Level II Std QC
☐ Level III Std QC/Raw Date
☐ 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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Chain of Custody Form

Page 2 of 2

COC ID: 295422

HS23071331

WSP Golder

Houston TX-Wood Preserving Works 1620-02

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@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-MW84A-20230719	7-19-23	1225	GW		6	X	X	X								
2	WG-1620-MW90A-20230719		1320	GW		6	X	X	X								
3	WG-1620-MW92B-20230719		1415	GW		6	X	X	X								
4	WG-1620-MW63B-20230719		1510	GW		6	X	X	X								
5	WG-1620-MW22AR-20230719		1620	GW		6	X	X	X								
6	WG-1620-MW22BR-20230719		1715	GW		6	X	X	X								
7	WG-1620-TB05-20230719					2	X										
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOHN FORAYTHON

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: 7-20-23	Time: 1055	Received by: DW	7/20/23	1055
Relinquished by:	Date:	Time:	Received by (Laboratory):		
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

Notes: Houston TX-Wood Preserving Works 1620-02

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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August 14, 2023

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS23071574**

Laboratory Results for: **Houston TX-Wood Preserving Works 1620-02**

Dear Eric Matzner,

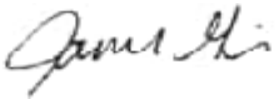
ALS Environmental received 7 sample(s) on Jul 26, 2023 for the analysis presented in the following report.

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
James Guin

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works 1620-02	
WorkOrder:	**HS23071574**	

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.

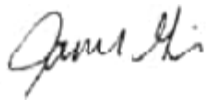
R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

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 1620-02	
WorkOrder:	**HS23071574**	

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.



James Guin

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/14/2023				
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071574				
Reviewer Name: James Guin			Prep Batch Number(s): 198365,198655,R442691				
#[1]	A[2]	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?		X			2
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			3
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		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: 08/14/2023				
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071574				
Reviewer Name: James Guin			Prep Batch Number(s): 198365,198655,R442691				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 08/14/2023
Project Name: Houston TX-Wood Preserving Works 1620-02	Laboratory Job Number: HS23071574
Reviewer Name: James Guin	Prep Batch Number(s): 198365,198655,R442691

ER#[5]	Description
1	Semivolatiles Method SW8270, samples WG-1620-MW12B-20230725, WG-1620-MW41B-20230725, the surrogate recoveries could not be determined due to dilution below the calibration range.
2	Batch 198365, Semivolatiles Method SW8270, LCS/LCSD provided as batch quality control in lieu of MS/MSD
3	Batch R442691, Volatiles Method SW8260, sample HS23071783-01, MS was performed on unrelated sample.
4	Batch 198365, Semivolatiles Method SW8270, samples WG-1620-MW12B-20230725, WG-1620-MW41B-20230725 were diluted due to hits over the Calibration range.

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 1620-02
Work Order: HS23071574

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23071574-01	WG-1620-MW27A-20230725	Groundwater		25-Jul-2023 07:40	26-Jul-2023 08:05	☐
HS23071574-02	WG-1620-MW27C-20230725	Groundwater		25-Jul-2023 08:25	26-Jul-2023 08:05	☐
HS23071574-03	WG-1620-MW61A-20230725	Groundwater		25-Jul-2023 09:25	26-Jul-2023 08:05	☐
HS23071574-04	WG-1620-MW61B-20230725	Groundwater		25-Jul-2023 10:10	26-Jul-2023 08:05	☐
HS23071574-05	WG-1620-MW59A-20230725	Groundwater		25-Jul-2023 10:50	26-Jul-2023 08:05	☐
HS23071574-06	WG-1620-MW12B-20230725	Groundwater		25-Jul-2023 12:55	26-Jul-2023 08:05	☐
HS23071574-07	WG-1620-MW41B-20230725	Groundwater		25-Jul-2023 13:50	26-Jul-2023 08:05	☐

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071574
Sample ID: WG-1620-MW27A-20230725 Lab ID:HS23071574-01
Collection Date: 25-Jul-2023 07:40 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	04-Aug-2023 14:55
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	04-Aug-2023 14:55
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	04-Aug-2023 14:55
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	04-Aug-2023 14:55
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	04-Aug-2023 14:55
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	04-Aug-2023 14:55
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	04-Aug-2023 14:55
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	04-Aug-2023 14:55
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	04-Aug-2023 14:55
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	04-Aug-2023 14:55
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	04-Aug-2023 14:55
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	04-Aug-2023 14:55
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	04-Aug-2023 14:55
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	04-Aug-2023 14:55
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	04-Aug-2023 14:55
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	04-Aug-2023 14:55
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	04-Aug-2023 14:55
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	04-Aug-2023 14:55
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	04-Aug-2023 14:55
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	04-Aug-2023 14:55
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	04-Aug-2023 14:55
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	04-Aug-2023 14:55
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	04-Aug-2023 14:55
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	04-Aug-2023 14:55
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	04-Aug-2023 14:55
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	04-Aug-2023 14:55
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	04-Aug-2023 14:55
Surr: 2,4,6-Tribromophenol	*52.6*			*34-129*	*%REC*	*10*	*04-Aug-2023 14:55*
Surr: 2-Fluorobiphenyl	*67.1*			*40-125*	*%REC*	*10*	*04-Aug-2023 14:55*
Surr: 2-Fluorophenol	*48.9*			*20-120*	*%REC*	*10*	*04-Aug-2023 14:55*
Surr: 4-Terphenyl-d14	*89.1*			*40-135*	*%REC*	*10*	*04-Aug-2023 14:55*
Surr: Nitrobenzene-d5	*54.1*			*41-120*	*%REC*	*10*	*04-Aug-2023 14:55*
Surr: Phenol-d6	*56.6*			*20-120*	*%REC*	*10*	*04-Aug-2023 14:55*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071574
Sample ID: WG-1620-MW27C-20230725 Lab ID:HS23071574-02
Collection Date: 25-Jul-2023 08:25 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 15:17
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 15:17
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 15:17
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 15:17
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 15:17
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 15:17
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 15:17
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 15:17
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 15:17
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 15:17
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	04-Aug-2023 15:17
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 15:17
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 15:17
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 15:17
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 15:17
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 15:17
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 15:17
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 15:17
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	04-Aug-2023 15:17
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	04-Aug-2023 15:17
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 15:17
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 15:17
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 15:17
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 15:17
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 15:17
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 15:17
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 15:17
Surr: 2,4,6-Tribromophenol	*49.6*			*34-129*	*%REC*	*1*	*04-Aug-2023 15:17*
Surr: 2-Fluorobiphenyl	*53.0*			*40-125*	*%REC*	*1*	*04-Aug-2023 15:17*
Surr: 2-Fluorophenol	*38.3*			*20-120*	*%REC*	*1*	*04-Aug-2023 15:17*
Surr: 4-Terphenyl-d14	*68.4*			*40-135*	*%REC*	*1*	*04-Aug-2023 15:17*
Surr: Nitrobenzene-d5	*43.6*			*41-120*	*%REC*	*1*	*04-Aug-2023 15:17*
Surr: Phenol-d6	*44.5*			*20-120*	*%REC*	*1*	*04-Aug-2023 15:17*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071574
Sample ID: WG-1620-MW61A-20230725 Lab ID:HS23071574-03
Collection Date: 25-Jul-2023 09:25 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 15:41
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 15:41
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 15:41
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 15:41
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 15:41
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 15:41
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 15:41
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 15:41
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 15:41
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 15:41
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	04-Aug-2023 15:41
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 15:41
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 15:41
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 15:41
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 15:41
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 15:41
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 15:41
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 15:41
Fluoranthene	**0.000060**	J	**0.000010**	**0.00010**	**mg/L**	1	04-Aug-2023 15:41
Fluorene	**0.000054**	J	**0.000030**	**0.00010**	**mg/L**	1	04-Aug-2023 15:41
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 15:41
Naphthalene	**0.00018**		**0.000020**	**0.00010**	**mg/L**	1	04-Aug-2023 15:41
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 15:41
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 15:41
Phenanthrene	**0.00014**		**0.000021**	**0.00010**	**mg/L**	1	04-Aug-2023 15:41
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 15:41
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 15:41
Surr: 2,4,6-Tribromophenol	*53.0*			*34-129*	*%REC*	*1*	*04-Aug-2023 15:41*
Surr: 2-Fluorobiphenyl	*59.3*			*40-125*	*%REC*	*1*	*04-Aug-2023 15:41*
Surr: 2-Fluorophenol	*47.7*			*20-120*	*%REC*	*1*	*04-Aug-2023 15:41*
Surr: 4-Terphenyl-d14	*78.0*			*40-135*	*%REC*	*1*	*04-Aug-2023 15:41*
Surr: Nitrobenzene-d5	*51.9*			*41-120*	*%REC*	*1*	*04-Aug-2023 15:41*
Surr: Phenol-d6	*54.1*			*20-120*	*%REC*	*1*	*04-Aug-2023 15:41*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071574
Sample ID: WG-1620-MW61B-20230725 Lab ID:HS23071574-04
Collection Date: 25-Jul-2023 10:10 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 16:04
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 16:04
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 16:04
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 16:04
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 16:04
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 16:04
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 16:04
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 16:04
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 16:04
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 16:04
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	04-Aug-2023 16:04
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 16:04
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:04
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 16:04
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 16:04
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 16:04
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 16:04
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:04
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	04-Aug-2023 16:04
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	04-Aug-2023 16:04
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 16:04
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:04
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 16:04
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 16:04
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 16:04
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 16:04
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 16:04
Surr: 2,4,6-Tribromophenol	*56.8*			*34-129*	*%REC*	*1*	*04-Aug-2023 16:04*
Surr: 2-Fluorobiphenyl	*56.5*			*40-125*	*%REC*	*1*	*04-Aug-2023 16:04*
Surr: 2-Fluorophenol	*43.9*			*20-120*	*%REC*	*1*	*04-Aug-2023 16:04*
Surr: 4-Terphenyl-d14	*82.8*			*40-135*	*%REC*	*1*	*04-Aug-2023 16:04*
Surr: Nitrobenzene-d5	*48.8*			*41-120*	*%REC*	*1*	*04-Aug-2023 16:04*
Surr: Phenol-d6	*50.5*			*20-120*	*%REC*	*1*	*04-Aug-2023 16:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071574
Sample ID: WG-1620-MW59A-20230725 Lab ID:HS23071574-05
Collection Date: 25-Jul-2023 10:50 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 16:27
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 16:27
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 16:27
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 16:27
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 16:27
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 16:27
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 16:27
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 16:27
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 16:27
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 16:27
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	04-Aug-2023 16:27
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 16:27
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:27
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 16:27
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 16:27
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 16:27
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 16:27
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:27
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	04-Aug-2023 16:27
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	04-Aug-2023 16:27
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 16:27
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:27
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 16:27
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 16:27
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 16:27
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 16:27
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 16:27
Surr: 2,4,6-Tribromophenol	*52.0*			*34-129*	*%REC*	*1*	*04-Aug-2023 16:27*
Surr: 2-Fluorobiphenyl	*55.7*			*40-125*	*%REC*	*1*	*04-Aug-2023 16:27*
Surr: 2-Fluorophenol	*44.2*			*20-120*	*%REC*	*1*	*04-Aug-2023 16:27*
Surr: 4-Terphenyl-d14	*76.8*			*40-135*	*%REC*	*1*	*04-Aug-2023 16:27*
Surr: Nitrobenzene-d5	*48.4*			*41-120*	*%REC*	*1*	*04-Aug-2023 16:27*
Surr: Phenol-d6	*50.2*			*20-120*	*%REC*	*1*	*04-Aug-2023 16:27*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071574
Sample ID: WG-1620-MW12B-20230725 Lab ID:HS23071574-06
Collection Date: 25-Jul-2023 12:55 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 13:31
Benzene	**0.0027**		**0.00020**	**0.0010**	**mg/L**	1	28-Jul-2023 13:31
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 13:31
Ethylbenzene	**0.0084**		**0.00030**	**0.0010**	**mg/L**	1	28-Jul-2023 13:31
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 13:31
Toluene	**0.0026**		**0.00020**	**0.0010**	**mg/L**	1	28-Jul-2023 13:31
Xylenes, Total	**0.011**		**0.00030**	**0.0030**	**mg/L**	1	28-Jul-2023 13:31
Surr: 1,2-Dichloroethane-d4	*101*			*70-126*	*%REC*	*1*	*28-Jul-2023 13:31*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*28-Jul-2023 13:31*
Surr: Dibromofluoromethane	*94.4*			*77-123*	*%REC*	*1*	*28-Jul-2023 13:31*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*28-Jul-2023 13:31*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW12B-20230725
Collection Date: 25-Jul-2023 12:55

ANALYTICAL REPORT
WorkOrder:HS23071574
Lab ID:HS23071574-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2023		Analyst: DLB
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	14-Aug-2023 14:34
2,4-Dimethylphenol	< 0.0040		0.0040	0.020	mg/L	100	14-Aug-2023 14:34
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	14-Aug-2023 14:34
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	14-Aug-2023 14:34
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	14-Aug-2023 14:34
2-Methylnaphthalene	**0.24**		**0.0019**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	14-Aug-2023 14:34
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	14-Aug-2023 14:34
Acenaphthene	**0.30**		**0.0027**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Acenaphthylene	**0.011**		**0.0015**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Anthracene	**0.11**		**0.0014**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Benz(a)anthracene	**0.059**		**0.0050**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Benzo(a)pyrene	**0.017**		**0.0020**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	14-Aug-2023 14:34
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	14-Aug-2023 14:34
Chrysene	**0.048**		**0.0021**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	14-Aug-2023 14:34
Dibenzofuran	**0.27**		**0.0020**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Fluoranthene	**0.38**		**0.0010**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Fluorene	**0.34**		**0.0030**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	14-Aug-2023 14:34
Naphthalene	**0.81**		**0.0020**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	14-Aug-2023 14:34
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	14-Aug-2023 14:34
Phenanthrene	**0.86**		**0.0021**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Phenol	< 0.0035		0.0035	0.020	mg/L	100	14-Aug-2023 14:34
Pyrene	**0.21**		**0.0019**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*14-Aug-2023 14:34*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*14-Aug-2023 14:34*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*14-Aug-2023 14:34*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*14-Aug-2023 14:34*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*14-Aug-2023 14:34*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*14-Aug-2023 14:34*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.0387**		**0.000400**	**0.00200**	**mg/L**	1	08-Aug-2023 22:21

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071574
Sample ID: WG-1620-MW41B-20230725 Lab ID:HS23071574-07
Collection Date: 25-Jul-2023 13:50 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	28-Jul-2023 13:52
Benzene	**0.014**		**0.00020**	**0.0010**	**mg/L**	1	28-Jul-2023 13:52
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 13:52
Ethylbenzene	**0.082**		**0.00030**	**0.0010**	**mg/L**	1	28-Jul-2023 13:52
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 13:52
Toluene	**0.072**		**0.00020**	**0.0010**	**mg/L**	1	28-Jul-2023 13:52
Xylenes, Total	**0.19**		**0.00030**	**0.0030**	**mg/L**	1	28-Jul-2023 13:52
Surr: 1,2-Dichloroethane-d4	*96.3*			*70-126*	*%REC*	*1*	*28-Jul-2023 13:52*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*28-Jul-2023 13:52*
Surr: Dibromofluoromethane	*90.0*			*77-123*	*%REC*	*1*	*28-Jul-2023 13:52*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*28-Jul-2023 13:52*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW41B-20230725
Collection Date: 25-Jul-2023 13:50

ANALYTICAL REPORT
WorkOrder:HS23071574
Lab ID:HS23071574-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 01-Aug-2023		Analyst: DLB
1,2-Diphenylhydrazine	< 0.010		0.010	0.10	mg/L	500	14-Aug-2023 14:56
2,4-Dimethylphenol	< 0.020		0.020	0.10	mg/L	500	14-Aug-2023 14:56
2,4-Dinitrotoluene	< 0.029		0.029	0.10	mg/L	500	14-Aug-2023 14:56
2,6-Dinitrotoluene	< 0.021		0.021	0.10	mg/L	500	14-Aug-2023 14:56
2-Chloronaphthalene	< 0.010		0.010	0.10	mg/L	500	14-Aug-2023 14:56
2-Methylnaphthalene	**0.37**		**0.0095**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
4,6-Dinitro-2-methylphenol	< 0.010		0.010	0.50	mg/L	500	14-Aug-2023 14:56
4-Nitrophenol	< 0.024		0.024	0.50	mg/L	500	14-Aug-2023 14:56
Acenaphthene	**0.40**		**0.014**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Acenaphthylene	< 0.0075		0.0075	0.050	mg/L	500	14-Aug-2023 14:56
Anthracene	**0.13**		**0.0070**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Benz(a)anthracene	**0.063**		**0.025**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Benzo(a)pyrene	**0.015**	J	**0.010**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Bis(2-chloroethoxy)methane	< 0.015		0.015	0.10	mg/L	500	14-Aug-2023 14:56
Bis(2-ethylhexyl)phthalate	< 0.018		0.018	0.10	mg/L	500	14-Aug-2023 14:56
Chrysene	**0.051**		**0.010**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Di-n-butyl phthalate	< 0.010		0.010	0.10	mg/L	500	14-Aug-2023 14:56
Dibenzofuran	**0.35**		**0.010**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Fluoranthene	**0.38**		**0.0050**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Fluorene	**0.44**		**0.015**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
N-Nitrosodiphenylamine	< 0.012		0.012	0.10	mg/L	500	14-Aug-2023 14:56
Naphthalene	**3.0**		**0.010**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Nitrobenzene	< 0.012		0.012	0.10	mg/L	500	14-Aug-2023 14:56
Pentachlorophenol	< 0.040		0.040	0.10	mg/L	500	14-Aug-2023 14:56
Phenanthrene	**1.1**		**0.010**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Phenol	< 0.018		0.018	0.10	mg/L	500	14-Aug-2023 14:56
Pyrene	**0.22**		**0.0095**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*500*	*14-Aug-2023 14:56*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*500*	*14-Aug-2023 14:56*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*500*	*14-Aug-2023 14:56*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*500*	*14-Aug-2023 14:56*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*500*	*14-Aug-2023 14:56*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*500*	*14-Aug-2023 14:56*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.0579**		**0.000400**	**0.00200**	**mg/L**	1	08-Aug-2023 22:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

Batch ID: 198365 **Start Date:** 01 Aug 2023 12:28 **End Date:** 01 Aug 2023 12:28
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071574-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071574-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071574-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071574-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071574-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071574-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071574-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198655 **Start Date:** 07 Aug 2023 13:30 **End Date:** 07 Aug 2023 13:30
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071574-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071574-07		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198365 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS23071574-01	WG-1620-MW27A-20230725	25 Jul 2023 07:40		01 Aug 2023 12:28	04 Aug 2023 14:55	10
HS23071574-02	WG-1620-MW27C-20230725	25 Jul 2023 08:25		01 Aug 2023 12:28	04 Aug 2023 15:17	1
HS23071574-03	WG-1620-MW61A-20230725	25 Jul 2023 09:25		01 Aug 2023 12:28	04 Aug 2023 15:41	1
HS23071574-04	WG-1620-MW61B-20230725	25 Jul 2023 10:10		01 Aug 2023 12:28	04 Aug 2023 16:04	1
HS23071574-05	WG-1620-MW59A-20230725	25 Jul 2023 10:50		01 Aug 2023 12:28	04 Aug 2023 16:27	1
HS23071574-06	WG-1620-MW12B-20230725	25 Jul 2023 12:55		01 Aug 2023 12:28	14 Aug 2023 14:34	100
HS23071574-07	WG-1620-MW41B-20230725	25 Jul 2023 13:50		01 Aug 2023 12:28	14 Aug 2023 14:56	500
Batch ID: 198655 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS23071574-06	WG-1620-MW12B-20230725	25 Jul 2023 12:55		07 Aug 2023 13:30	08 Aug 2023 22:21	1
HS23071574-07	WG-1620-MW41B-20230725	25 Jul 2023 13:50		07 Aug 2023 13:30	08 Aug 2023 22:23	1
Batch ID: R442691 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS23071574-06	WG-1620-MW12B-20230725	25 Jul 2023 12:55			28 Jul 2023 13:31	1
HS23071574-07	WG-1620-MW41B-20230725	25 Jul 2023 13:50			28 Jul 2023 13:52	1

WorkOrder: HS23071574
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	0.00137	0.000400	0.00200

WorkOrder: HS23071574
InstrumentID: SV-10
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000082	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	0.000064	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000082	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000090	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000079	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00039	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000078	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.000070	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.000075	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.000073	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.000077	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.000080	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000098	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.000079	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000088	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.000071	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.000093	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.000079	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000086	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.000084	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.00011	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000028	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00010	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000098	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.000092	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: HS23071574
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	0.00058	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00050	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00053	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00038	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.0013	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00045	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0011	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

QC BATCH REPORT

Batch ID: 198655 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLKF1-198655** Units: **mg/L** Analysis Date: **08-Aug-2023 22:03**
Client ID: Run ID: **ICPMS06_443339** SeqNo: **7479379** PrepDate: **07-Aug-2023** 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-198655** Units: **mg/L** Analysis Date: **08-Aug-2023 22:01**
Client ID: Run ID: **ICPMS06_443339** SeqNo: **7479378** PrepDate: **07-Aug-2023** 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-198655** Units: **mg/L** Analysis Date: **08-Aug-2023 22:05**
Client ID: Run ID: **ICPMS06_443339** SeqNo: **7479380** PrepDate: **07-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04734	0.00200	0.05	0	94.7	80 - 120				

MS Sample ID: **HS23080078-01MS** Units: **mg/L** Analysis Date: **08-Aug-2023 22:11**
Client ID: Run ID: **ICPMS06_443339** SeqNo: **7479383** PrepDate: **07-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0501	0.00200	0.05	0.000641	98.9	80 - 120				

MSD Sample ID: **HS23080078-01MSD** Units: **mg/L** Analysis Date: **08-Aug-2023 22:13**
Client ID: Run ID: **ICPMS06_443339** SeqNo: **7479384** PrepDate: **07-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05024	0.00200	0.05	0.000641	99.2	80 - 120	0.0501	0.289	20	

PDS Sample ID: **HS23080078-01PDS** Units: **mg/L** Analysis Date: **08-Aug-2023 22:15**
Client ID: Run ID: **ICPMS06_443339** SeqNo: **7479385** PrepDate: **07-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1014	0.00200	0.1	0.000641	101	75 - 125				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

QC BATCH REPORT

Batch ID: 198655 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

SD Sample ID: **HS23080078-01SD** Units: **mg/L** Analysis Date: **08-Aug-2023 22:09**
Client ID: Run ID: **ICPMS06_443339** SeqNo: **7479382** PrepDate: **07-Aug-2023** 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					0.000641	0	10	

The following samples were analyzed in this batch: HS23071574-06 HS23071574-07

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

QC BATCH REPORT

Batch ID: 198365 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-198365** Units: **ug/L** Analysis Date: **03-Aug-2023 17:10**
Client ID: Run ID: **SV-10_443837** SeqNo: **7487505** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*2.826*	*0.20*	*5*	*0*	*56.5*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.651*	*0.20*	*5*	*0*	*73.0*	*40 - 125*				
Surr: 2-Fluorophenol	*2.928*	*0.20*	*5*	*0*	*58.6*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.121*	*0.20*	*5*	*0*	*82.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.233*	*0.20*	*5*	*0*	*64.7*	*41 - 120*				
Surr: Phenol-d6	*3.149*	*0.20*	*5*	*0*	*63.0*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

QC BATCH REPORT

Batch ID: 198365 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-198365** Units: **ug/L** Analysis Date: **03-Aug-2023 17:33**
Client ID: Run ID: **SV-10_443837** SeqNo: **7487506** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.723	0.20	5	0	74.5	39 - 127				
2,4-Dimethylphenol	4.919	0.20	5	0	98.4	35 - 120				
2,4-Dinitrotoluene	4.439	0.20	5	0	88.8	50 - 122				
2,6-Dinitrotoluene	4.239	0.20	5	0	84.8	50 - 120				
2-Chloronaphthalene	4.739	0.20	5	0	94.8	50 - 120				
2-Methylnaphthalene	4.064	0.10	5	0	81.3	50 - 120				
4,6-Dinitro-2-methylphenol	3.835	1.0	5	0	76.7	25 - 121				
4-Nitrophenol	4.222	1.0	5	0	84.4	30 - 130				
Acenaphthene	4.109	0.10	5	0	82.2	45 - 120				
Acenaphthylene	4.14	0.10	5	0	82.8	47 - 120				
Anthracene	4.041	0.10	5	0	80.8	45 - 120				
Benz(a)anthracene	4.406	0.10	5	0	88.1	40 - 120				
Benzo(a)pyrene	4.466	0.10	5	0	89.3	45 - 120				
Bis(2-chloroethoxy)methane	4.113	0.20	5	0	82.3	45 - 120				
Bis(2-ethylhexyl)phthalate	4.131	0.20	5	0	82.6	40 - 139				
Chrysene	4.235	0.10	5	0	84.7	43 - 120				
Dibenzofuran	4.214	0.10	5	0	84.3	50 - 120				
Di-n-butyl phthalate	4.264	0.20	5	0	85.3	45 - 123				
Fluoranthene	4.161	0.10	5	0	83.2	45 - 125				
Fluorene	4.19	0.10	5	0	83.8	49 - 120				
Naphthalene	4.056	0.10	5	0	81.1	45 - 120				
Nitrobenzene	3.973	0.20	5	0	79.5	44 - 120				
N-Nitrosodiphenylamine	4.103	0.20	5	0	82.1	40 - 125				
Pentachlorophenol	3.618	0.20	5	0	72.4	19 - 121				
Phenanthrene	4.063	0.10	5	0	81.3	45 - 121				
Phenol	3.982	0.20	5	0	79.6	20 - 124				
Pyrene	4.403	0.10	5	0	88.1	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.548*	*0.20*	*5*	*0*	*71.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.12*	*0.20*	*5*	*0*	*82.4*	*40 - 125*				
Surr: 2-Fluorophenol	*3.268*	*0.20*	*5*	*0*	*65.4*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.418*	*0.20*	*5*	*0*	*88.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.596*	*0.20*	*5*	*0*	*71.9*	*41 - 120*				
Surr: Phenol-d6	*3.633*	*0.20*	*5*	*0*	*72.7*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

QC BATCH REPORT

Batch ID: 198365 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-198365** Units: **ug/L** Analysis Date: **03-Aug-2023 17:57**
Client ID: Run ID: **SV-10_443837** SeqNo: **7487507** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.824	0.20	5	0	76.5	39 - 127	3.723	2.66	20	
2,4-Dimethylphenol	4.781	0.20	5	0	95.6	35 - 120	4.919	2.86	20	
2,4-Dinitrotoluene	4.416	0.20	5	0	88.3	50 - 122	4.439	0.532	20	
2,6-Dinitrotoluene	4.273	0.20	5	0	85.5	50 - 120	4.239	0.793	20	
2-Chloronaphthalene	4.759	0.20	5	0	95.2	50 - 120	4.739	0.429	20	
2-Methylnaphthalene	4.094	0.10	5	0	81.9	50 - 120	4.064	0.727	20	
4,6-Dinitro-2-methylphenol	4.011	1.0	5	0	80.2	25 - 121	3.835	4.49	30	
4-Nitrophenol	4.212	1.0	5	0	84.2	30 - 130	4.222	0.231	20	
Acenaphthene	4.138	0.10	5	0	82.8	45 - 120	4.109	0.703	20	
Acenaphthylene	4.145	0.10	5	0	82.9	47 - 120	4.14	0.119	20	
Anthracene	4.21	0.10	5	0	84.2	45 - 120	4.041	4.09	20	
Benz(a)anthracene	4.291	0.10	5	0	85.8	40 - 120	4.406	2.65	20	
Benzo(a)pyrene	4.645	0.10	5	0	92.9	45 - 120	4.466	3.94	20	
Bis(2-chloroethoxy)methane	4.144	0.20	5	0	82.9	45 - 120	4.113	0.753	20	
Bis(2-ethylhexyl)phthalate	4.129	0.20	5	0	82.6	40 - 139	4.131	0.0656	20	
Chrysene	4.231	0.10	5	0	84.6	43 - 120	4.235	0.107	20	
Dibenzofuran	4.228	0.10	5	0	84.6	50 - 120	4.214	0.317	20	
Di-n-butyl phthalate	4.32	0.20	5	0	86.4	45 - 123	4.264	1.31	20	
Fluoranthene	4.173	0.10	5	0	83.5	45 - 125	4.161	0.287	20	
Fluorene	4.213	0.10	5	0	84.3	49 - 120	4.19	0.54	20	
Naphthalene	4.105	0.10	5	0	82.1	45 - 120	4.056	1.21	20	
Nitrobenzene	4.006	0.20	5	0	80.1	44 - 120	3.973	0.839	20	
N-Nitrosodiphenylamine	4.205	0.20	5	0	84.1	40 - 125	4.103	2.45	20	
Pentachlorophenol	3.877	0.20	5	0	77.5	19 - 121	3.618	6.9	20	
Phenanthrene	4.155	0.10	5	0	83.1	45 - 121	4.063	2.25	20	
Phenol	3.951	0.20	5	0	79.0	20 - 124	3.982	0.766	20	
Pyrene	4.286	0.10	5	0	85.7	40 - 130	4.403	2.69	20	
Surr: 2,4,6-Tribromophenol	*3.617*	*0.20*	*5*	*0*	*72.3*	*34 - 129*	*3.548*	*1.95*	*20*	
Surr: 2-Fluorobiphenyl	*4.11*	*0.20*	*5*	*0*	*82.2*	*40 - 125*	*4.12*	*0.239*	*20*	
Surr: 2-Fluorophenol	*3.247*	*0.20*	*5*	*0*	*64.9*	*20 - 120*	*3.268*	*0.621*	*20*	
Surr: 4-Terphenyl-d14	*4.235*	*0.20*	*5*	*0*	*84.7*	*40 - 135*	*4.418*	*4.23*	*20*	
Surr: Nitrobenzene-d5	*3.65*	*0.20*	*5*	*0*	*73.0*	*41 - 120*	*3.596*	*1.51*	*20*	
Surr: Phenol-d6	*3.578*	*0.20*	*5*	*0*	*71.6*	*20 - 120*	*3.633*	*1.53*	*20*	

The following samples were analyzed in this batch: HS23071574-01 HS23071574-02 HS23071574-03 HS23071574-04
HS23071574-05 HS23071574-06 HS23071574-07

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

QC BATCH REPORT

Batch ID: R442691 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230728** Units: **ug/L** Analysis Date: **28-Jul-2023 12:07**
Client ID: Run ID: **VOA11_442691** SeqNo: **7459826** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*48.87*	*1.0*	*50*	*0*	*97.7*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.98*	*1.0*	*50*	*0*	*100.0*	*77 - 113*				
Surr: Dibromofluoromethane	*45.89*	*1.0*	*50*	*0*	*91.8*	*73 - 126*				
Surr: Toluene-d8	*51.26*	*1.0*	*50*	*0*	*103*	*81 - 120*				

LCS Sample ID: **VLCSW-230728** Units: **ug/L** Analysis Date: **28-Jul-2023 11:25**
Client ID: Run ID: **VOA11_442691** SeqNo: **7459825** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.61	1.0	20	0	98.1	70 - 124				
Benzene	16.44	1.0	20	0	82.2	74 - 120				
Chlorobenzene	17.99	1.0	20	0	89.9	76 - 113				
Ethylbenzene	18.1	1.0	20	0	90.5	77 - 117				
Methylene chloride	18.97	2.0	20	0	94.8	70 - 127				
Toluene	19.28	1.0	20	0	96.4	77 - 118				
Xylenes, Total	53.15	3.0	60	0	88.6	75 - 122				
Surr: 1,2-Dichloroethane-d4	*48.29*	*1.0*	*50*	*0*	*96.6*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*52.54*	*1.0*	*50*	*0*	*105*	*77 - 113*				
Surr: Dibromofluoromethane	*47.29*	*1.0*	*50*	*0*	*94.6*	*73 - 126*				
Surr: Toluene-d8	*51.66*	*1.0*	*50*	*0*	*103*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

QC BATCH REPORT

Batch ID: R442691 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23071783-01MS** Units: **ug/L** Analysis Date: **28-Jul-2023 12:49**
Client ID: Run ID: **VOA11_442691** SeqNo: **7459828** 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 - 127				
Benzene	14.89	1.0	20	0	74.5	70 - 127				
Chlorobenzene	16.37	1.0	20	0	81.9	70 - 114				
Ethylbenzene	15.95	1.0	20	0	79.8	70 - 124				
Methylene chloride	13.95	2.0	20	0	69.8	70 - 128				S
Toluene	16.49	1.0	20	0	82.5	70 - 123				
Xylenes, Total	45.98	3.0	60	0	76.6	70 - 130				
Surr: 1,2-Dichloroethane-d4	*47.46*	*1.0*	*50*	*0*	*94.9*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.84*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*46.94*	*1.0*	*50*	*0*	*93.9*	*77 - 123*				
Surr: Toluene-d8	*51.92*	*1.0*	*50*	*0*	*104*	*82 - 127*				

MSD Sample ID: **HS23071783-01MSD** Units: **ug/L** Analysis Date: **28-Jul-2023 13:10**
Client ID: Run ID: **VOA11_442691** SeqNo: **7459829** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	15.7	1.0	20	0	78.5	70 - 127	16.86	7.13	20	
Benzene	15.11	1.0	20	0	75.6	70 - 127	14.89	1.45	20	
Chlorobenzene	15.4	1.0	20	0	77.0	70 - 114	16.37	6.15	20	
Ethylbenzene	15.16	1.0	20	0	75.8	70 - 124	15.95	5.1	20	
Methylene chloride	16.57	2.0	20	0	82.9	70 - 128	13.95	17.2	20	
Toluene	16.75	1.0	20	0	83.7	70 - 123	16.49	1.53	20	
Xylenes, Total	46.46	3.0	60	0	77.4	70 - 130	45.98	1.03	20	
Surr: 1,2-Dichloroethane-d4	*49.21*	*1.0*	*50*	*0*	*98.4*	*70 - 126*	*47.46*	*3.63*	*20*	
Surr: 4-Bromofluorobenzene	*50.89*	*1.0*	*50*	*0*	*102*	*77 - 113*	*50.84*	*0.0962*	*20*	
Surr: Dibromofluoromethane	*47.78*	*1.0*	*50*	*0*	*95.6*	*77 - 123*	*46.94*	*1.78*	*20*	
Surr: Toluene-d8	*50.57*	*1.0*	*50*	*0*	*101*	*82 - 127*	*51.92*	*2.62*	*20*	

The following samples were analyzed in this batch: HS23071574-06 HS23071574-07

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: **HS23071574**

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	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23071574 **Date/Time Received:** **26-Jul-2023 08:05**

Client Name: PBW **Received by:** **Nelson D. Dusara**

Completed By:	/S/ Belinda Gomez	26-Jul-2023 10:12	**Reviewed by:**	/S/ James Guin	27-Jul-2023 08:10
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **gw** 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 ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
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):	1.5uc/1.4c,1.2uc/1.1c	ir31	
Cooler(s)/Kit(s):	51327, lg blue		
Date/Time sample(s) sent to storage:	07/26/23 1200		
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
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

Page 1 of 1

COC ID: 295425

ALS Work Order #:

ALS Project Manager:

Customer Information

Purchase Order	92688 - 1620-02
Work Order	
Company Name	WSP Golder
Send Report To	Michelle Hermiston
Address	1601 S. MoPac Expressway Suite 325D
City/State/Zip	Austin, TX 78746
Phone	(512) 671-3434
Fax	(512) 671-3446
e-Mail Address	Michelle_Hermiston@golder.com

Project Information

Project Name	Houston TX-Wood Preserving Works
Project Number	1620-02-Rev SR 92688
Bill To Company	Union Pacific Railroad- A/P
Invoice Attn	Accounts Payable
Address	1400 Douglas Street Stop 0750
City/State/Zip	Omaha NE 681790750
Phone	
Fax	
e-Mail Address	

Parameter/Method Request for Analysis

A	8260_LL_W (Select list)
B	8270_LOW_W (Select List)
C	ICP_TW (ICP_W As)
D	8260_LL_W (Select list + Vinyl Chloride)
E	
F	
G	
H	
I	
J	

HS23071574

WSP Golder

Houston TX-Wood Preserving Works 1620-02

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Ho
1	WG-1620-MW27A-20230725	7-25-23	0740	GW		2		X									
2	WG-1620-MW27C-20230725		0825	GW		2		X									
3	WG-1620-MW61A-20230725		0925	GW		2		X									
4	WG-1620-MW61B-20230725		1010	GW		2		X									
5	WG-1620-MW59A-20230725		1050	GW		6	X	X	X								
6	WG-1620-MW12B-20230725		1255	GW		6	X	X	X								
7	WG-1620-MW41B-20230725		1350	GW													
8																	
9																	
10																	

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: Houston TX-Wood Preserving Works 1620-02

Sampler(s) Please Print & Sign: JOHN BEPPLER

Relinquished by:	Date: 7-26-23	Time: 0805	Received by:
Relinquished by:	Date: 07/26/23	Time: 0849	Received by (Laboratory):
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Cooler ID	Cooler Temp.
51327	1.5
blue	1.2

QC Package: (Check One Box Below)

- [ ] Level II Std QC
- [ ] Level III Std QC/Raw Data
- [ ] Level IV SW846/CLP
- [ ] Other
- [X] TRF
- [ ] TRF

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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COC Form have been submitted to ALS Environmental. ... are expressly limited to the terms and conditions stated on the reverse.

ST 3 Clf -0.1

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 14, 2023

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS23071574**

Laboratory Results for: **Houston TX-Wood Preserving Works 1620-02**

Dear Eric Matzner,

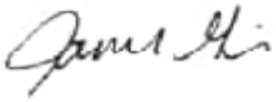
ALS Environmental received 7 sample(s) on Jul 26, 2023 for the analysis presented in the following report.

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
James Guin

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works 1620-02	
WorkOrder:	**HS23071574**	

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.

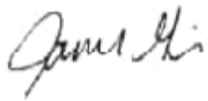
R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

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 1620-02	
WorkOrder:	**HS23071574**	

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.



James Guin

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/14/2023				
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071574				
Reviewer Name: James Guin			Prep Batch Number(s): 198365,198655,R442691				
#[1]	A[2]	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?		X			2
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			3
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		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: 08/14/2023				
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071574				
Reviewer Name: James Guin			Prep Batch Number(s): 198365,198655,R442691				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 08/14/2023
Project Name: Houston TX-Wood Preserving Works 1620-02	Laboratory Job Number: HS23071574
Reviewer Name: James Guin	Prep Batch Number(s): 198365,198655,R442691

ER#[5]	Description
1	Semivolatiles Method SW8270, samples WG-1620-MW12B-20230725, WG-1620-MW41B-20230725, the surrogate recoveries could not be determined due to dilution below the calibration range.
2	Batch 198365, Semivolatiles Method SW8270, LCS/LCSD provided as batch quality control in lieu of MS/MSD
3	Batch R442691, Volatiles Method SW8260, sample HS23071783-01, MS was performed on unrelated sample.
4	Batch 198365, Semivolatiles Method SW8270, samples WG-1620-MW12B-20230725, WG-1620-MW41B-20230725 were diluted due to hits over the Calibration range.

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 1620-02
Work Order: HS23071574

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23071574-01	WG-1620-MW27A-20230725	Groundwater		25-Jul-2023 07:40	26-Jul-2023 08:05	☐
HS23071574-02	WG-1620-MW27C-20230725	Groundwater		25-Jul-2023 08:25	26-Jul-2023 08:05	☐
HS23071574-03	WG-1620-MW61A-20230725	Groundwater		25-Jul-2023 09:25	26-Jul-2023 08:05	☐
HS23071574-04	WG-1620-MW61B-20230725	Groundwater		25-Jul-2023 10:10	26-Jul-2023 08:05	☐
HS23071574-05	WG-1620-MW59A-20230725	Groundwater		25-Jul-2023 10:50	26-Jul-2023 08:05	☐
HS23071574-06	WG-1620-MW12B-20230725	Groundwater		25-Jul-2023 12:55	26-Jul-2023 08:05	☐
HS23071574-07	WG-1620-MW41B-20230725	Groundwater		25-Jul-2023 13:50	26-Jul-2023 08:05	☐

Client: WSP Golder
ANALYTICAL REPORT
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071574
Sample ID: WG-1620-MW27A-20230725 Lab ID:HS23071574-01
Collection Date: 25-Jul-2023 07:40 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	04-Aug-2023 14:55
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	04-Aug-2023 14:55
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	04-Aug-2023 14:55
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	04-Aug-2023 14:55
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	04-Aug-2023 14:55
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	04-Aug-2023 14:55
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	04-Aug-2023 14:55
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	04-Aug-2023 14:55
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	04-Aug-2023 14:55
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	04-Aug-2023 14:55
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	04-Aug-2023 14:55
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	04-Aug-2023 14:55
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	04-Aug-2023 14:55
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	04-Aug-2023 14:55
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	04-Aug-2023 14:55
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	04-Aug-2023 14:55
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	04-Aug-2023 14:55
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	04-Aug-2023 14:55
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	04-Aug-2023 14:55
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	04-Aug-2023 14:55
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	04-Aug-2023 14:55
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	04-Aug-2023 14:55
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	04-Aug-2023 14:55
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	04-Aug-2023 14:55
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	04-Aug-2023 14:55
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	04-Aug-2023 14:55
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	04-Aug-2023 14:55
Surr: 2,4,6-Tribromophenol	*52.6*			*34-129*	*%REC*	*10*	*04-Aug-2023 14:55*
Surr: 2-Fluorobiphenyl	*67.1*			*40-125*	*%REC*	*10*	*04-Aug-2023 14:55*
Surr: 2-Fluorophenol	*48.9*			*20-120*	*%REC*	*10*	*04-Aug-2023 14:55*
Surr: 4-Terphenyl-d14	*89.1*			*40-135*	*%REC*	*10*	*04-Aug-2023 14:55*
Surr: Nitrobenzene-d5	*54.1*			*41-120*	*%REC*	*10*	*04-Aug-2023 14:55*
Surr: Phenol-d6	*56.6*			*20-120*	*%REC*	*10*	*04-Aug-2023 14:55*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071574
Sample ID: WG-1620-MW27C-20230725 Lab ID:HS23071574-02
Collection Date: 25-Jul-2023 08:25 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 15:17
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 15:17
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 15:17
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 15:17
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 15:17
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 15:17
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 15:17
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 15:17
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 15:17
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 15:17
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	04-Aug-2023 15:17
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 15:17
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 15:17
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 15:17
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 15:17
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 15:17
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 15:17
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 15:17
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	04-Aug-2023 15:17
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	04-Aug-2023 15:17
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 15:17
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 15:17
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 15:17
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 15:17
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 15:17
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 15:17
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 15:17
Surr: 2,4,6-Tribromophenol	*49.6*			*34-129*	*%REC*	*1*	*04-Aug-2023 15:17*
Surr: 2-Fluorobiphenyl	*53.0*			*40-125*	*%REC*	*1*	*04-Aug-2023 15:17*
Surr: 2-Fluorophenol	*38.3*			*20-120*	*%REC*	*1*	*04-Aug-2023 15:17*
Surr: 4-Terphenyl-d14	*68.4*			*40-135*	*%REC*	*1*	*04-Aug-2023 15:17*
Surr: Nitrobenzene-d5	*43.6*			*41-120*	*%REC*	*1*	*04-Aug-2023 15:17*
Surr: Phenol-d6	*44.5*			*20-120*	*%REC*	*1*	*04-Aug-2023 15:17*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071574
Sample ID: WG-1620-MW61A-20230725 Lab ID:HS23071574-03
Collection Date: 25-Jul-2023 09:25 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 15:41
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 15:41
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 15:41
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 15:41
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 15:41
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 15:41
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 15:41
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 15:41
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 15:41
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 15:41
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	04-Aug-2023 15:41
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 15:41
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 15:41
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 15:41
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 15:41
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 15:41
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 15:41
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 15:41
Fluoranthene	**0.000060**	J	**0.000010**	**0.00010**	**mg/L**	1	04-Aug-2023 15:41
Fluorene	**0.000054**	J	**0.000030**	**0.00010**	**mg/L**	1	04-Aug-2023 15:41
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 15:41
Naphthalene	**0.00018**		**0.000020**	**0.00010**	**mg/L**	1	04-Aug-2023 15:41
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 15:41
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 15:41
Phenanthrene	**0.00014**		**0.000021**	**0.00010**	**mg/L**	1	04-Aug-2023 15:41
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 15:41
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 15:41
Surr: 2,4,6-Tribromophenol	*53.0*			*34-129*	*%REC*	*1*	*04-Aug-2023 15:41*
Surr: 2-Fluorobiphenyl	*59.3*			*40-125*	*%REC*	*1*	*04-Aug-2023 15:41*
Surr: 2-Fluorophenol	*47.7*			*20-120*	*%REC*	*1*	*04-Aug-2023 15:41*
Surr: 4-Terphenyl-d14	*78.0*			*40-135*	*%REC*	*1*	*04-Aug-2023 15:41*
Surr: Nitrobenzene-d5	*51.9*			*41-120*	*%REC*	*1*	*04-Aug-2023 15:41*
Surr: Phenol-d6	*54.1*			*20-120*	*%REC*	*1*	*04-Aug-2023 15:41*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071574
Sample ID: WG-1620-MW61B-20230725 Lab ID:HS23071574-04
Collection Date: 25-Jul-2023 10:10 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 16:04
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 16:04
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 16:04
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 16:04
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 16:04
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 16:04
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 16:04
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 16:04
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 16:04
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 16:04
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	04-Aug-2023 16:04
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 16:04
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:04
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 16:04
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 16:04
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 16:04
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 16:04
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:04
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	04-Aug-2023 16:04
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	04-Aug-2023 16:04
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 16:04
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:04
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 16:04
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 16:04
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 16:04
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 16:04
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 16:04
Surr: 2,4,6-Tribromophenol	*56.8*			*34-129*	*%REC*	*1*	*04-Aug-2023 16:04*
Surr: 2-Fluorobiphenyl	*56.5*			*40-125*	*%REC*	*1*	*04-Aug-2023 16:04*
Surr: 2-Fluorophenol	*43.9*			*20-120*	*%REC*	*1*	*04-Aug-2023 16:04*
Surr: 4-Terphenyl-d14	*82.8*			*40-135*	*%REC*	*1*	*04-Aug-2023 16:04*
Surr: Nitrobenzene-d5	*48.8*			*41-120*	*%REC*	*1*	*04-Aug-2023 16:04*
Surr: Phenol-d6	*50.5*			*20-120*	*%REC*	*1*	*04-Aug-2023 16:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071574
Sample ID: WG-1620-MW59A-20230725 Lab ID:HS23071574-05
Collection Date: 25-Jul-2023 10:50 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 16:27
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 16:27
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 16:27
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 16:27
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 16:27
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 16:27
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 16:27
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 16:27
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 16:27
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 16:27
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	04-Aug-2023 16:27
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 16:27
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:27
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 16:27
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 16:27
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 16:27
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 16:27
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:27
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	04-Aug-2023 16:27
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	04-Aug-2023 16:27
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 16:27
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:27
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 16:27
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 16:27
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 16:27
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 16:27
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 16:27
Surr: 2,4,6-Tribromophenol	*52.0*			*34-129*	*%REC*	*1*	*04-Aug-2023 16:27*
Surr: 2-Fluorobiphenyl	*55.7*			*40-125*	*%REC*	*1*	*04-Aug-2023 16:27*
Surr: 2-Fluorophenol	*44.2*			*20-120*	*%REC*	*1*	*04-Aug-2023 16:27*
Surr: 4-Terphenyl-d14	*76.8*			*40-135*	*%REC*	*1*	*04-Aug-2023 16:27*
Surr: Nitrobenzene-d5	*48.4*			*41-120*	*%REC*	*1*	*04-Aug-2023 16:27*
Surr: Phenol-d6	*50.2*			*20-120*	*%REC*	*1*	*04-Aug-2023 16:27*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071574
Sample ID: WG-1620-MW12B-20230725 Lab ID:HS23071574-06
Collection Date: 25-Jul-2023 12:55 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 13:31
Benzene	**0.0027**		**0.00020**	**0.0010**	**mg/L**	1	28-Jul-2023 13:31
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 13:31
Ethylbenzene	**0.0084**		**0.00030**	**0.0010**	**mg/L**	1	28-Jul-2023 13:31
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 13:31
Toluene	**0.0026**		**0.00020**	**0.0010**	**mg/L**	1	28-Jul-2023 13:31
Xylenes, Total	**0.011**		**0.00030**	**0.0030**	**mg/L**	1	28-Jul-2023 13:31
Surr: 1,2-Dichloroethane-d4	*101*			*70-126*	*%REC*	*1*	*28-Jul-2023 13:31*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*28-Jul-2023 13:31*
Surr: Dibromofluoromethane	*94.4*			*77-123*	*%REC*	*1*	*28-Jul-2023 13:31*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*28-Jul-2023 13:31*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW12B-20230725
Collection Date: 25-Jul-2023 12:55

ANALYTICAL REPORT
WorkOrder:HS23071574
Lab ID:HS23071574-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 01-Aug-2023		Analyst: DLB
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	14-Aug-2023 14:34
2,4-Dimethylphenol	< 0.0040		0.0040	0.020	mg/L	100	14-Aug-2023 14:34
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	14-Aug-2023 14:34
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	14-Aug-2023 14:34
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	14-Aug-2023 14:34
2-Methylnaphthalene	**0.24**		**0.0019**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	14-Aug-2023 14:34
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	14-Aug-2023 14:34
Acenaphthene	**0.30**		**0.0027**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Acenaphthylene	**0.011**		**0.0015**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Anthracene	**0.11**		**0.0014**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Benz(a)anthracene	**0.059**		**0.0050**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Benzo(a)pyrene	**0.017**		**0.0020**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	14-Aug-2023 14:34
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	14-Aug-2023 14:34
Chrysene	**0.048**		**0.0021**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	14-Aug-2023 14:34
Dibenzofuran	**0.27**		**0.0020**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Fluoranthene	**0.38**		**0.0010**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Fluorene	**0.34**		**0.0030**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	14-Aug-2023 14:34
Naphthalene	**0.81**		**0.0020**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	14-Aug-2023 14:34
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	14-Aug-2023 14:34
Phenanthrene	**0.86**		**0.0021**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Phenol	< 0.0035		0.0035	0.020	mg/L	100	14-Aug-2023 14:34
Pyrene	**0.21**		**0.0019**	**0.010**	**mg/L**	100	14-Aug-2023 14:34
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*14-Aug-2023 14:34*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*14-Aug-2023 14:34*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*14-Aug-2023 14:34*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*14-Aug-2023 14:34*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*14-Aug-2023 14:34*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*14-Aug-2023 14:34*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.0387**		**0.000400**	**0.00200**	**mg/L**	1	08-Aug-2023 22:21

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071574
Sample ID: WG-1620-MW41B-20230725 Lab ID:HS23071574-07
Collection Date: 25-Jul-2023 13:50 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	28-Jul-2023 13:52
Benzene	**0.014**		**0.00020**	**0.0010**	**mg/L**	1	28-Jul-2023 13:52
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 13:52
Ethylbenzene	**0.082**		**0.00030**	**0.0010**	**mg/L**	1	28-Jul-2023 13:52
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 13:52
Toluene	**0.072**		**0.00020**	**0.0010**	**mg/L**	1	28-Jul-2023 13:52
Xylenes, Total	**0.19**		**0.00030**	**0.0030**	**mg/L**	1	28-Jul-2023 13:52
Surr: 1,2-Dichloroethane-d4	*96.3*			*70-126*	*%REC*	*1*	*28-Jul-2023 13:52*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*28-Jul-2023 13:52*
Surr: Dibromofluoromethane	*90.0*			*77-123*	*%REC*	*1*	*28-Jul-2023 13:52*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*28-Jul-2023 13:52*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW41B-20230725
Collection Date: 25-Jul-2023 13:50

ANALYTICAL REPORT
WorkOrder:HS23071574
Lab ID:HS23071574-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 01-Aug-2023		Analyst: DLB
1,2-Diphenylhydrazine	< 0.010		0.010	0.10	mg/L	500	14-Aug-2023 14:56
2,4-Dimethylphenol	< 0.020		0.020	0.10	mg/L	500	14-Aug-2023 14:56
2,4-Dinitrotoluene	< 0.029		0.029	0.10	mg/L	500	14-Aug-2023 14:56
2,6-Dinitrotoluene	< 0.021		0.021	0.10	mg/L	500	14-Aug-2023 14:56
2-Chloronaphthalene	< 0.010		0.010	0.10	mg/L	500	14-Aug-2023 14:56
2-Methylnaphthalene	**0.37**		**0.0095**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
4,6-Dinitro-2-methylphenol	< 0.010		0.010	0.50	mg/L	500	14-Aug-2023 14:56
4-Nitrophenol	< 0.024		0.024	0.50	mg/L	500	14-Aug-2023 14:56
Acenaphthene	**0.40**		**0.014**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Acenaphthylene	< 0.0075		0.0075	0.050	mg/L	500	14-Aug-2023 14:56
Anthracene	**0.13**		**0.0070**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Benz(a)anthracene	**0.063**		**0.025**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Benzo(a)pyrene	**0.015**	J	**0.010**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Bis(2-chloroethoxy)methane	< 0.015		0.015	0.10	mg/L	500	14-Aug-2023 14:56
Bis(2-ethylhexyl)phthalate	< 0.018		0.018	0.10	mg/L	500	14-Aug-2023 14:56
Chrysene	**0.051**		**0.010**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Di-n-butyl phthalate	< 0.010		0.010	0.10	mg/L	500	14-Aug-2023 14:56
Dibenzofuran	**0.35**		**0.010**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Fluoranthene	**0.38**		**0.0050**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Fluorene	**0.44**		**0.015**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
N-Nitrosodiphenylamine	< 0.012		0.012	0.10	mg/L	500	14-Aug-2023 14:56
Naphthalene	**3.0**		**0.010**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Nitrobenzene	< 0.012		0.012	0.10	mg/L	500	14-Aug-2023 14:56
Pentachlorophenol	< 0.040		0.040	0.10	mg/L	500	14-Aug-2023 14:56
Phenanthrene	**1.1**		**0.010**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Phenol	< 0.018		0.018	0.10	mg/L	500	14-Aug-2023 14:56
Pyrene	**0.22**		**0.0095**	**0.050**	**mg/L**	500	14-Aug-2023 14:56
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*500*	*14-Aug-2023 14:56*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*500*	*14-Aug-2023 14:56*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*500*	*14-Aug-2023 14:56*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*500*	*14-Aug-2023 14:56*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*500*	*14-Aug-2023 14:56*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*500*	*14-Aug-2023 14:56*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.0579**		**0.000400**	**0.00200**	**mg/L**	1	08-Aug-2023 22:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

Batch ID: 198365 **Start Date:** 01 Aug 2023 12:28 **End Date:** 01 Aug 2023 12:28
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071574-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071574-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071574-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071574-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071574-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071574-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071574-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198655 **Start Date:** 07 Aug 2023 13:30 **End Date:** 07 Aug 2023 13:30
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071574-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071574-07		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198365 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS23071574-01	WG-1620-MW27A-20230725	25 Jul 2023 07:40		01 Aug 2023 12:28	04 Aug 2023 14:55	10
HS23071574-02	WG-1620-MW27C-20230725	25 Jul 2023 08:25		01 Aug 2023 12:28	04 Aug 2023 15:17	1
HS23071574-03	WG-1620-MW61A-20230725	25 Jul 2023 09:25		01 Aug 2023 12:28	04 Aug 2023 15:41	1
HS23071574-04	WG-1620-MW61B-20230725	25 Jul 2023 10:10		01 Aug 2023 12:28	04 Aug 2023 16:04	1
HS23071574-05	WG-1620-MW59A-20230725	25 Jul 2023 10:50		01 Aug 2023 12:28	04 Aug 2023 16:27	1
HS23071574-06	WG-1620-MW12B-20230725	25 Jul 2023 12:55		01 Aug 2023 12:28	14 Aug 2023 14:34	100
HS23071574-07	WG-1620-MW41B-20230725	25 Jul 2023 13:50		01 Aug 2023 12:28	14 Aug 2023 14:56	500
Batch ID: 198655 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Groundwater	
HS23071574-06	WG-1620-MW12B-20230725	25 Jul 2023 12:55		07 Aug 2023 13:30	08 Aug 2023 22:21	1
HS23071574-07	WG-1620-MW41B-20230725	25 Jul 2023 13:50		07 Aug 2023 13:30	08 Aug 2023 22:23	1
Batch ID: R442691 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Groundwater	
HS23071574-06	WG-1620-MW12B-20230725	25 Jul 2023 12:55			28 Jul 2023 13:31	1
HS23071574-07	WG-1620-MW41B-20230725	25 Jul 2023 13:50			28 Jul 2023 13:52	1

WorkOrder: HS23071574
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	0.00137	0.000400	0.00200

WorkOrder: HS23071574
InstrumentID: SV-10
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000082	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	0.000064	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000082	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000090	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000079	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00039	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000078	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.000070	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.000075	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.000073	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.000077	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.000080	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000098	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.000079	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000088	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.000071	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.000093	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.000079	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000086	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.000084	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.00011	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000028	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00010	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000098	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.000092	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: HS23071574
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	0.00058	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00050	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00053	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00038	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.0013	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00045	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0011	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

QC BATCH REPORT

Batch ID: 198655 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLKF1-198655** Units: **mg/L** Analysis Date: **08-Aug-2023 22:03**
Client ID: Run ID: **ICPMS06_443339** SeqNo: **7479379** PrepDate: **07-Aug-2023** 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-198655** Units: **mg/L** Analysis Date: **08-Aug-2023 22:01**
Client ID: Run ID: **ICPMS06_443339** SeqNo: **7479378** PrepDate: **07-Aug-2023** 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-198655** Units: **mg/L** Analysis Date: **08-Aug-2023 22:05**
Client ID: Run ID: **ICPMS06_443339** SeqNo: **7479380** PrepDate: **07-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04734	0.00200	0.05	0	94.7	80 - 120				

MS Sample ID: **HS23080078-01MS** Units: **mg/L** Analysis Date: **08-Aug-2023 22:11**
Client ID: Run ID: **ICPMS06_443339** SeqNo: **7479383** PrepDate: **07-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0501	0.00200	0.05	0.000641	98.9	80 - 120				

MSD Sample ID: **HS23080078-01MSD** Units: **mg/L** Analysis Date: **08-Aug-2023 22:13**
Client ID: Run ID: **ICPMS06_443339** SeqNo: **7479384** PrepDate: **07-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05024	0.00200	0.05	0.000641	99.2	80 - 120	0.0501	0.289	20	

PDS Sample ID: **HS23080078-01PDS** Units: **mg/L** Analysis Date: **08-Aug-2023 22:15**
Client ID: Run ID: **ICPMS06_443339** SeqNo: **7479385** PrepDate: **07-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1014	0.00200	0.1	0.000641	101	75 - 125				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

QC BATCH REPORT

Batch ID: 198655 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

SD Sample ID: **HS23080078-01SD** Units: **mg/L** Analysis Date: **08-Aug-2023 22:09**
Client ID: Run ID: **ICPMS06_443339** SeqNo: **7479382** PrepDate: **07-Aug-2023** 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					0.000641	0	10	

The following samples were analyzed in this batch: HS23071574-06 HS23071574-07

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

QC BATCH REPORT

Batch ID: 198365 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-198365** Units: **ug/L** Analysis Date: **03-Aug-2023 17:10**
Client ID: Run ID: **SV-10_443837** SeqNo: **7487505** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*2.826*	*0.20*	*5*	*0*	*56.5*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.651*	*0.20*	*5*	*0*	*73.0*	*40 - 125*				
Surr: 2-Fluorophenol	*2.928*	*0.20*	*5*	*0*	*58.6*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.121*	*0.20*	*5*	*0*	*82.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.233*	*0.20*	*5*	*0*	*64.7*	*41 - 120*				
Surr: Phenol-d6	*3.149*	*0.20*	*5*	*0*	*63.0*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

QC BATCH REPORT

Batch ID: 198365 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-198365** Units: **ug/L** Analysis Date: **03-Aug-2023 17:33**
Client ID: Run ID: **SV-10_443837** SeqNo: **7487506** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.723	0.20	5	0	74.5	39 - 127				
2,4-Dimethylphenol	4.919	0.20	5	0	98.4	35 - 120				
2,4-Dinitrotoluene	4.439	0.20	5	0	88.8	50 - 122				
2,6-Dinitrotoluene	4.239	0.20	5	0	84.8	50 - 120				
2-Chloronaphthalene	4.739	0.20	5	0	94.8	50 - 120				
2-Methylnaphthalene	4.064	0.10	5	0	81.3	50 - 120				
4,6-Dinitro-2-methylphenol	3.835	1.0	5	0	76.7	25 - 121				
4-Nitrophenol	4.222	1.0	5	0	84.4	30 - 130				
Acenaphthene	4.109	0.10	5	0	82.2	45 - 120				
Acenaphthylene	4.14	0.10	5	0	82.8	47 - 120				
Anthracene	4.041	0.10	5	0	80.8	45 - 120				
Benz(a)anthracene	4.406	0.10	5	0	88.1	40 - 120				
Benzo(a)pyrene	4.466	0.10	5	0	89.3	45 - 120				
Bis(2-chloroethoxy)methane	4.113	0.20	5	0	82.3	45 - 120				
Bis(2-ethylhexyl)phthalate	4.131	0.20	5	0	82.6	40 - 139				
Chrysene	4.235	0.10	5	0	84.7	43 - 120				
Dibenzofuran	4.214	0.10	5	0	84.3	50 - 120				
Di-n-butyl phthalate	4.264	0.20	5	0	85.3	45 - 123				
Fluoranthene	4.161	0.10	5	0	83.2	45 - 125				
Fluorene	4.19	0.10	5	0	83.8	49 - 120				
Naphthalene	4.056	0.10	5	0	81.1	45 - 120				
Nitrobenzene	3.973	0.20	5	0	79.5	44 - 120				
N-Nitrosodiphenylamine	4.103	0.20	5	0	82.1	40 - 125				
Pentachlorophenol	3.618	0.20	5	0	72.4	19 - 121				
Phenanthrene	4.063	0.10	5	0	81.3	45 - 121				
Phenol	3.982	0.20	5	0	79.6	20 - 124				
Pyrene	4.403	0.10	5	0	88.1	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.548*	*0.20*	*5*	*0*	*71.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*4.12*	*0.20*	*5*	*0*	*82.4*	*40 - 125*				
Surr: 2-Fluorophenol	*3.268*	*0.20*	*5*	*0*	*65.4*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.418*	*0.20*	*5*	*0*	*88.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.596*	*0.20*	*5*	*0*	*71.9*	*41 - 120*				
Surr: Phenol-d6	*3.633*	*0.20*	*5*	*0*	*72.7*	*20 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

QC BATCH REPORT

Batch ID: 198365 (0) **Instrument: SV-10** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-198365** Units: **ug/L** Analysis Date: **03-Aug-2023 17:57**
Client ID: Run ID: **SV-10_443837** SeqNo: **7487507** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.824	0.20	5	0	76.5	39 - 127	3.723	2.66	20	
2,4-Dimethylphenol	4.781	0.20	5	0	95.6	35 - 120	4.919	2.86	20	
2,4-Dinitrotoluene	4.416	0.20	5	0	88.3	50 - 122	4.439	0.532	20	
2,6-Dinitrotoluene	4.273	0.20	5	0	85.5	50 - 120	4.239	0.793	20	
2-Chloronaphthalene	4.759	0.20	5	0	95.2	50 - 120	4.739	0.429	20	
2-Methylnaphthalene	4.094	0.10	5	0	81.9	50 - 120	4.064	0.727	20	
4,6-Dinitro-2-methylphenol	4.011	1.0	5	0	80.2	25 - 121	3.835	4.49	30	
4-Nitrophenol	4.212	1.0	5	0	84.2	30 - 130	4.222	0.231	20	
Acenaphthene	4.138	0.10	5	0	82.8	45 - 120	4.109	0.703	20	
Acenaphthylene	4.145	0.10	5	0	82.9	47 - 120	4.14	0.119	20	
Anthracene	4.21	0.10	5	0	84.2	45 - 120	4.041	4.09	20	
Benz(a)anthracene	4.291	0.10	5	0	85.8	40 - 120	4.406	2.65	20	
Benzo(a)pyrene	4.645	0.10	5	0	92.9	45 - 120	4.466	3.94	20	
Bis(2-chloroethoxy)methane	4.144	0.20	5	0	82.9	45 - 120	4.113	0.753	20	
Bis(2-ethylhexyl)phthalate	4.129	0.20	5	0	82.6	40 - 139	4.131	0.0656	20	
Chrysene	4.231	0.10	5	0	84.6	43 - 120	4.235	0.107	20	
Dibenzofuran	4.228	0.10	5	0	84.6	50 - 120	4.214	0.317	20	
Di-n-butyl phthalate	4.32	0.20	5	0	86.4	45 - 123	4.264	1.31	20	
Fluoranthene	4.173	0.10	5	0	83.5	45 - 125	4.161	0.287	20	
Fluorene	4.213	0.10	5	0	84.3	49 - 120	4.19	0.54	20	
Naphthalene	4.105	0.10	5	0	82.1	45 - 120	4.056	1.21	20	
Nitrobenzene	4.006	0.20	5	0	80.1	44 - 120	3.973	0.839	20	
N-Nitrosodiphenylamine	4.205	0.20	5	0	84.1	40 - 125	4.103	2.45	20	
Pentachlorophenol	3.877	0.20	5	0	77.5	19 - 121	3.618	6.9	20	
Phenanthrene	4.155	0.10	5	0	83.1	45 - 121	4.063	2.25	20	
Phenol	3.951	0.20	5	0	79.0	20 - 124	3.982	0.766	20	
Pyrene	4.286	0.10	5	0	85.7	40 - 130	4.403	2.69	20	
Surr: 2,4,6-Tribromophenol	*3.617*	*0.20*	*5*	*0*	*72.3*	*34 - 129*	*3.548*	*1.95*	*20*	
Surr: 2-Fluorobiphenyl	*4.11*	*0.20*	*5*	*0*	*82.2*	*40 - 125*	*4.12*	*0.239*	*20*	
Surr: 2-Fluorophenol	*3.247*	*0.20*	*5*	*0*	*64.9*	*20 - 120*	*3.268*	*0.621*	*20*	
Surr: 4-Terphenyl-d14	*4.235*	*0.20*	*5*	*0*	*84.7*	*40 - 135*	*4.418*	*4.23*	*20*	
Surr: Nitrobenzene-d5	*3.65*	*0.20*	*5*	*0*	*73.0*	*41 - 120*	*3.596*	*1.51*	*20*	
Surr: Phenol-d6	*3.578*	*0.20*	*5*	*0*	*71.6*	*20 - 120*	*3.633*	*1.53*	*20*	

The following samples were analyzed in this batch: HS23071574-01 HS23071574-02 HS23071574-03 HS23071574-04 HS23071574-05 HS23071574-06 HS23071574-07

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

QC BATCH REPORT

Batch ID: R442691 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230728** Units: **ug/L** Analysis Date: **28-Jul-2023 12:07**
Client ID: Run ID: **VOA11_442691** SeqNo: **7459826** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*48.87*	*1.0*	*50*	*0*	*97.7*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.98*	*1.0*	*50*	*0*	*100.0*	*77 - 113*				
Surr: Dibromofluoromethane	*45.89*	*1.0*	*50*	*0*	*91.8*	*73 - 126*				
Surr: Toluene-d8	*51.26*	*1.0*	*50*	*0*	*103*	*81 - 120*				

LCS Sample ID: **VLCSW-230728** Units: **ug/L** Analysis Date: **28-Jul-2023 11:25**
Client ID: Run ID: **VOA11_442691** SeqNo: **7459825** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.61	1.0	20	0	98.1	70 - 124				
Benzene	16.44	1.0	20	0	82.2	74 - 120				
Chlorobenzene	17.99	1.0	20	0	89.9	76 - 113				
Ethylbenzene	18.1	1.0	20	0	90.5	77 - 117				
Methylene chloride	18.97	2.0	20	0	94.8	70 - 127				
Toluene	19.28	1.0	20	0	96.4	77 - 118				
Xylenes, Total	53.15	3.0	60	0	88.6	75 - 122				
Surr: 1,2-Dichloroethane-d4	*48.29*	*1.0*	*50*	*0*	*96.6*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*52.54*	*1.0*	*50*	*0*	*105*	*77 - 113*				
Surr: Dibromofluoromethane	*47.29*	*1.0*	*50*	*0*	*94.6*	*73 - 126*				
Surr: Toluene-d8	*51.66*	*1.0*	*50*	*0*	*103*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071574

QC BATCH REPORT

Batch ID: R442691 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23071783-01MS** Units: **ug/L** Analysis Date: **28-Jul-2023 12:49**
Client ID: Run ID: **VOA11_442691** SeqNo: **7459828** 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 - 127				
Benzene	14.89	1.0	20	0	74.5	70 - 127				
Chlorobenzene	16.37	1.0	20	0	81.9	70 - 114				
Ethylbenzene	15.95	1.0	20	0	79.8	70 - 124				
Methylene chloride	13.95	2.0	20	0	69.8	70 - 128				S
Toluene	16.49	1.0	20	0	82.5	70 - 123				
Xylenes, Total	45.98	3.0	60	0	76.6	70 - 130				
Surr: 1,2-Dichloroethane-d4	*47.46*	*1.0*	*50*	*0*	*94.9*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.84*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*46.94*	*1.0*	*50*	*0*	*93.9*	*77 - 123*				
Surr: Toluene-d8	*51.92*	*1.0*	*50*	*0*	*104*	*82 - 127*				

MSD Sample ID: **HS23071783-01MSD** Units: **ug/L** Analysis Date: **28-Jul-2023 13:10**
Client ID: Run ID: **VOA11_442691** SeqNo: **7459829** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	15.7	1.0	20	0	78.5	70 - 127	16.86	7.13	20	
Benzene	15.11	1.0	20	0	75.6	70 - 127	14.89	1.45	20	
Chlorobenzene	15.4	1.0	20	0	77.0	70 - 114	16.37	6.15	20	
Ethylbenzene	15.16	1.0	20	0	75.8	70 - 124	15.95	5.1	20	
Methylene chloride	16.57	2.0	20	0	82.9	70 - 128	13.95	17.2	20	
Toluene	16.75	1.0	20	0	83.7	70 - 123	16.49	1.53	20	
Xylenes, Total	46.46	3.0	60	0	77.4	70 - 130	45.98	1.03	20	
Surr: 1,2-Dichloroethane-d4	*49.21*	*1.0*	*50*	*0*	*98.4*	*70 - 126*	*47.46*	*3.63*	*20*	
Surr: 4-Bromofluorobenzene	*50.89*	*1.0*	*50*	*0*	*102*	*77 - 113*	*50.84*	*0.0962*	*20*	
Surr: Dibromofluoromethane	*47.78*	*1.0*	*50*	*0*	*95.6*	*77 - 123*	*46.94*	*1.78*	*20*	
Surr: Toluene-d8	*50.57*	*1.0*	*50*	*0*	*101*	*82 - 127*	*51.92*	*2.62*	*20*	

The following samples were analyzed in this batch: HS23071574-06 HS23071574-07

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: **HS23071574**

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	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23071574 **Date/Time Received:** **26-Jul-2023 08:05**

Client Name: PBW **Received by:** **Nelson D. Dusara**

Completed By:	/S/ Belinda Gomez	26-Jul-2023 10:12	**Reviewed by:**	/S/ James Guin	27-Jul-2023 08:10
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **gw** 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 ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
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):	1.5uc/1.4c,1.2uc/1.1c	ir31	
Cooler(s)/Kit(s):	51327, lg blue		
Date/Time sample(s) sent to storage:	07/26/23 1200		
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
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

Page 1 of 1

COC ID: 295425

ALS Work Order #:

ALS Project Manager:

Customer Information

Purchase Order	92688 - 1620-02
Work Order	
Company Name	WSP Golder
Send Report To	Michelle Hermiston
Address	1601 S. MoPac Expressway Suite 325D
City/State/Zip	Austin, TX 78746
Phone	(512) 671-3434
Fax	(512) 671-3446
e-Mail Address	Michelle_Hermiston@golder.com

Project Information

Project Name	Houston TX-Wood Preserving Works
Project Number	1620-02-Rev SR 92688
Bill To Company	Union Pacific Railroad- A/P
Invoice Attn	Accounts Payable
Address	1400 Douglas Street Stop 0750
City/State/Zip	Omaha NE 681790750
Phone	
Fax	
e-Mail Address	

Parameter/Method Request for Analysis

A	8260_LL_W (Select list)
B	8270_LOW_W (Select List)
C	ICP_TW (ICP_W As)
D	8260_LL_W (Select list + Vinyl Chloride)
E	
F	
G	
H	
I	
J	

HS23071574

WSP Golder

Houston TX-Wood Preserving Works 1620-02

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Ho
1	WG-1620-MW27A-20230725	7-25-23	0740	GW		2		X									
2	WG-1620-MW27C-20230725		0825	GW		2		X									
3	WG-1620-MW61A-20230725		0925	GW		2		X									
4	WG-1620-MW61B-20230725		1010	GW		2		X									
5	WG-1620-MW59A-20230725		1050	GW		6	X	X	X								
6	WG-1620-MW12B-20230725		1255	GW		6	X	X	X								
7	WG-1620-MW41B-20230725		1350	GW													
8																	
9																	
10																	

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: Houston TX-Wood Preserving Works 1620-02

Sampler(s) Please Print & Sign: JOHN BEPPLER

Relinquished by:	Date: 7-26-23	Time: 0805	Received by:
Relinquished by:	Date: 07/26/23	Time: 0849	Received by (Laboratory):
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Cooler ID	Cooler Temp.
51327	1.5
blue	1.2

QC Package: (Check One Box Below)

- [ ] Level II Std QC
- [ ] Level III Std QC/Raw Data
- [ ] Level IV SW846/CLP
- [ ] Other
- [X] TRF
- [ ] TRF

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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TM3 Clf -0.1

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 28, 2023

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS23071527**

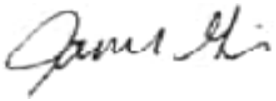
Laboratory Results for: **Houston TX-Wood Preserving Works 1620-02**

Dear Eric Matzner,

ALS Environmental received 17 sample(s) on Jul 25, 2023 for the analysis presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

Regards,



Generated By: JUMOKE.LAWAL

James Guin

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works 1620-02	
WorkOrder:	**HS23071527**	

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.

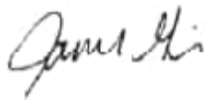
R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

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 1620-02	
WorkOrder:	**HS23071527**	

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.



James Guin

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/28/2023					
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071527					
Reviewer Name: James Guin			Prep Batch Number(s): 198183,198244,198624,R442461,R442568,R442691					
#[1]	A[2]	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?		X			2
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?		X			3
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			4
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				5
		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				6
		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: 08/28/2023				
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071527				
Reviewer Name: James Guin			Prep Batch Number(s): 198183,198244,198624,R442461,R442568,R442691				
#[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: 08/28/2023
Project Name: Houston TX-Wood Preserving Works 1620-02	Laboratory Job Number: HS23071527
Reviewer Name: James Guin	Prep Batch Number(s): 198183,198244,198624,R442461,R442568,R442691

ER#[5]	Description
1	Semivolatiles Method SW8270, samples WG-1620-MW45C-20230724, WG-1620-MW75B-20230724, WG-1620-MW49A-20230724, WG-1620-49B-20230724, the surrogates could not be determined due to dilution below the calibration range. Semivolatiles Method SW8270, sample WG-1620-MW45C-20230724, surrogate Nitrobenzene-d5 recovered outside the control limit due to matrix interference.
2	Batch 198183, Semivolatiles Method SW8270, LCS.LCSD RPD recovered above the RPD limit for 4,6-Dinitro-2-methylphenol, Pentachlorophenol, Phenol. The individual recoveries met acceptance criteria.
3	Batch 198183, Semivolatiles Method SW8270, LCS/LCSD provided as batch quality control in lieu of MS/MSD
4	Batch 198244, Semivolatiles Method SW8270, sample WG-1620-MW67B-20230724, MS and or MSD recovered outside the control limit for some compounds due to suspect matrix effect.
5	This report was revised 08/28/23 tp change sample id from WG-1620-49B-20230724 to the correct sample id WG-1620-MW49B-20230724 per client request. WG-1620-MW49B-20230724 was not received. Sample WG-1620-MW49A-20230724 collected 7/24/23 at 17:00 was received (not listed on COC). Sample was logged in for analysis.
6	Batch 198244, Semivolatiles Method SW8270, sample WG-1620-FD06-20230724, the GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference. Internal Stand is out at 1X Batch R442568, Volatiles Method SW8260, sample WG-1620-49B-20230724; lowest possible dilution due to high concentrations of non-target analytes.

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 1620-02
Work Order: HS23071527

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23071527-01	WG-1620-FB09-20230720	Water		20-Jul-2023 18:15	25-Jul-2023 11:15	☐
HS23071527-02	WG-1620-MW96B-20230721	GW		21-Jul-2023 07:35	25-Jul-2023 11:15	☐
HS23071527-03	WG-1620-MW95A-20230721	GW		21-Jul-2023 08:35	25-Jul-2023 11:15	☐
HS23071527-04	WG-1620-MW99C-20230721	GW		21-Jul-2023 09:45	25-Jul-2023 11:15	☐
HS23071527-05	WG-1620-MW54B-20230721	GW		21-Jul-2023 10:40	25-Jul-2023 11:15	☐
HS23071527-06	WG-1620-MW67B-20230724	GW		24-Jul-2023 07:45	25-Jul-2023 11:15	☐
HS23071527-07	WG-1620-MW48C-20230724	GW		24-Jul-2023 08:45	25-Jul-2023 11:15	☐
HS23071527-08	WG-1620-FD06-20230724	GW		24-Jul-2023 08:45	25-Jul-2023 11:15	☐
HS23071527-09	WG-1620-MW36B-20230724	GW		24-Jul-2023 09:45	25-Jul-2023 11:15	☐
HS23071527-10	WG-1620-MW34CR-20230724	GW		24-Jul-2023 10:35	25-Jul-2023 11:15	☐
HS23071527-11	WG-1620-MW44A-20230724	GW		24-Jul-2023 11:25	25-Jul-2023 11:15	☐
HS23071527-12	WG-1620-MW45C-20230724	GW		24-Jul-2023 12:15	25-Jul-2023 11:15	☐
HS23071527-13	WG-1620-MW74B-20230724	GW		24-Jul-2023 13:20	25-Jul-2023 11:15	☐
HS23071527-14	WG-1620-MW75B-20230724	GW		24-Jul-2023 14:20	25-Jul-2023 11:15	☐
HS23071527-15	WG-1620-MW49A-20230724	GW		24-Jul-2023 15:15	25-Jul-2023 11:15	☐
HS23071527-16	WG-1620-FB10-20230724	Water		24-Jul-2023 17:25	25-Jul-2023 11:15	☐
HS23071527-17	WG-1620-MW49B-20230724	GW		24-Jul-2023 16:10	25-Jul-2023 11:15	☐

Client: WSP Golder **CASE NARRATIVE**
Project: Houston TX-Wood Preserving Works 1620-02
Work Order: HS23071527

Work Order Comments

- This report was revised 08/28/23 tp change sample id from WG-1620-49B-20230724 to the correct sample id WG-1620-MW49B-20230724 per client request.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-FB09-20230720 Lab ID:HS23071527-01
Collection Date: 20-Jul-2023 18:15 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	27-Jul-2023 03:42
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 03:42
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 03:42
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 03:42
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 03:42
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 03:42
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2023 03:42
Surr: 1,2-Dichloroethane-d4	*124*			*70-126*	*%REC*	*1*	*27-Jul-2023 03:42*
Surr: 4-Bromofluorobenzene	*95.7*			*77-113*	*%REC*	*1*	*27-Jul-2023 03:42*
Surr: Dibromofluoromethane	*108*			*77-123*	*%REC*	*1*	*27-Jul-2023 03:42*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*27-Jul-2023 03:42*

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-FB09-20230720 Lab ID:HS23071527-01
Collection Date: 20-Jul-2023 18:15 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 27-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2023 19:11
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	09-Aug-2023 19:11
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	09-Aug-2023 19:11
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	09-Aug-2023 19:11
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	09-Aug-2023 19:11
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2023 19:11
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	09-Aug-2023 19:11
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	09-Aug-2023 19:11
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	09-Aug-2023 19:11
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	09-Aug-2023 19:11
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	09-Aug-2023 19:11
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	09-Aug-2023 19:11
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2023 19:11
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	09-Aug-2023 19:11
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	09-Aug-2023 19:11
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2023 19:11
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	09-Aug-2023 19:11
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2023 19:11
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	09-Aug-2023 19:11
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	09-Aug-2023 19:11
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	09-Aug-2023 19:11
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	09-Aug-2023 19:11
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	09-Aug-2023 19:11
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	09-Aug-2023 19:11
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	09-Aug-2023 19:11
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	09-Aug-2023 19:11
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	09-Aug-2023 19:11
Surr: 2,4,6-Tribromophenol	*66.2*			*34-129*	*%REC*	*1*	*09-Aug-2023 19:11*
Surr: 2-Fluorobiphenyl	*84.1*			*40-125*	*%REC*	*1*	*09-Aug-2023 19:11*
Surr: 2-Fluorophenol	*63.9*			*20-120*	*%REC*	*1*	*09-Aug-2023 19:11*
Surr: 4-Terphenyl-d14	*92.0*			*40-135*	*%REC*	*1*	*09-Aug-2023 19:11*
Surr: Nitrobenzene-d5	*76.1*			*41-120*	*%REC*	*1*	*09-Aug-2023 19:11*
Surr: Phenol-d6	*67.8*			*20-120*	*%REC*	*1*	*09-Aug-2023 19:11*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	07-Aug-2023 18:32

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW96B-20230721 Lab ID:HS23071527-02
Collection Date: 21-Jul-2023 07:35 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 09:18
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 09:18
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 09:18
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 09:18
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 09:18
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 09:18
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2023 09:18
Surr: 1,2-Dichloroethane-d4	*118*			*70-126*	*%REC*	*1*	*27-Jul-2023 09:18*
Surr: 4-Bromofluorobenzene	*105*			*77-113*	*%REC*	*1*	*27-Jul-2023 09:18*
Surr: Dibromofluoromethane	*96.7*			*77-123*	*%REC*	*1*	*27-Jul-2023 09:18*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*27-Jul-2023 09:18*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW96B-20230721
Collection Date: 21-Jul-2023 07:35

ANALYTICAL REPORT
WorkOrder:HS23071527
Lab ID:HS23071527-02
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: DLB
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	16-Aug-2023 15:08
2,4-Dimethylphenol	**0.0013**	J	**0.00040**	**0.0020**	**mg/L**	10	16-Aug-2023 15:08
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	16-Aug-2023 15:08
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	16-Aug-2023 15:08
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	16-Aug-2023 15:08
2-Methylnaphthalene	**0.0014**		**0.00019**	**0.0010**	**mg/L**	10	16-Aug-2023 15:08
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	16-Aug-2023 15:08
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	16-Aug-2023 15:08
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	16-Aug-2023 15:08
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	16-Aug-2023 15:08
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	16-Aug-2023 15:08
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	16-Aug-2023 15:08
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	16-Aug-2023 15:08
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	16-Aug-2023 15:08
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	16-Aug-2023 15:08
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	16-Aug-2023 15:08
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	16-Aug-2023 15:08
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	16-Aug-2023 15:08
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	16-Aug-2023 15:08
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	16-Aug-2023 15:08
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	16-Aug-2023 15:08
Naphthalene	**0.021**		**0.00020**	**0.0010**	**mg/L**	10	16-Aug-2023 15:08
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	16-Aug-2023 15:08
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	16-Aug-2023 15:08
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	16-Aug-2023 15:08
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	16-Aug-2023 15:08
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	16-Aug-2023 15:08
Surr: 2,4,6-Tribromophenol	*46.1*			*34-129*	*%REC*	*10*	*16-Aug-2023 15:08*
Surr: 2-Fluorobiphenyl	*55.5*			*40-125*	*%REC*	*10*	*16-Aug-2023 15:08*
Surr: 2-Fluorophenol	*39.5*	*J*		*20-120*	*%REC*	*10*	*16-Aug-2023 15:08*
Surr: 4-Terphenyl-d14	*79.8*			*40-135*	*%REC*	*10*	*16-Aug-2023 15:08*
Surr: Nitrobenzene-d5	*46.4*			*41-120*	*%REC*	*10*	*16-Aug-2023 15:08*
Surr: Phenol-d6	*43.6*			*20-120*	*%REC*	*10*	*16-Aug-2023 15:08*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.000895**	J	**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 18:34

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW95A-20230721 Lab ID:HS23071527-03
Collection Date: 21-Jul-2023 08:35 Matrix:GW

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	28-Jul-2023 04:15
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 04:15
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 04:15
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 04:15
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 04:15
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 04:15
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	28-Jul-2023 04:15
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*28-Jul-2023 04:15*
Surr: 4-Bromofluorobenzene	*95.3*			*77-113*	*%REC*	*1*	*28-Jul-2023 04:15*
Surr: Dibromofluoromethane	*96.5*			*77-123*	*%REC*	*1*	*28-Jul-2023 04:15*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*28-Jul-2023 04:15*

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW95A-20230721 Lab ID:HS23071527-03
Collection Date: 21-Jul-2023 08:35 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: DLB
1,2-Diphenylhydrazine	**0.000036**	J	**0.000021**	**0.00020**	**mg/L**	1	16-Aug-2023 15:31
2,4-Dimethylphenol	**0.00033**		**0.000040**	**0.00020**	**mg/L**	1	16-Aug-2023 15:31
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	16-Aug-2023 15:31
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	16-Aug-2023 15:31
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2023 15:31
2-Methylnaphthalene	**0.00052**		**0.000019**	**0.00010**	**mg/L**	1	16-Aug-2023 15:31
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	16-Aug-2023 15:31
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	16-Aug-2023 15:31
Acenaphthene	**0.000095**	J	**0.000027**	**0.00010**	**mg/L**	1	16-Aug-2023 15:31
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	16-Aug-2023 15:31
Anthracene	**0.000017**	J	**0.000014**	**0.00010**	**mg/L**	1	16-Aug-2023 15:31
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	16-Aug-2023 15:31
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	16-Aug-2023 15:31
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	16-Aug-2023 15:31
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	16-Aug-2023 15:31
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	16-Aug-2023 15:31
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	16-Aug-2023 15:31
Dibenzofuran	**0.00014**		**0.000020**	**0.00010**	**mg/L**	1	16-Aug-2023 15:31
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	16-Aug-2023 15:31
Fluorene	**0.000059**	J	**0.000030**	**0.00010**	**mg/L**	1	16-Aug-2023 15:31
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	16-Aug-2023 15:31
Naphthalene	**0.0062**		**0.000020**	**0.00010**	**mg/L**	1	16-Aug-2023 15:31
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	16-Aug-2023 15:31
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	16-Aug-2023 15:31
Phenanthrene	**0.000068**	J	**0.000021**	**0.00010**	**mg/L**	1	16-Aug-2023 15:31
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	16-Aug-2023 15:31
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	16-Aug-2023 15:31
Surr: 2,4,6-Tribromophenol	*82.9*			*34-129*	*%REC*	*1*	*16-Aug-2023 15:31*
Surr: 2-Fluorobiphenyl	*71.0*			*40-125*	*%REC*	*1*	*16-Aug-2023 15:31*
Surr: 2-Fluorophenol	*59.7*			*20-120*	*%REC*	*1*	*16-Aug-2023 15:31*
Surr: 4-Terphenyl-d14	*125*			*40-135*	*%REC*	*1*	*16-Aug-2023 15:31*
Surr: Nitrobenzene-d5	*64.0*			*41-120*	*%REC*	*1*	*16-Aug-2023 15:31*
Surr: Phenol-d6	*41.6*			*20-120*	*%REC*	*1*	*16-Aug-2023 15:31*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.000945**	J	**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 18:46

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW99C-20230721 Lab ID:HS23071527-04
Collection Date: 21-Jul-2023 09:45 Matrix:GW

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	28-Jul-2023 04:36
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 04:36
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 04:36
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 04:36
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 04:36
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 04:36
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	28-Jul-2023 04:36
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*28-Jul-2023 04:36*
Surr: 4-Bromofluorobenzene	*99.2*			*77-113*	*%REC*	*1*	*28-Jul-2023 04:36*
Surr: Dibromofluoromethane	*100*			*77-123*	*%REC*	*1*	*28-Jul-2023 04:36*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*28-Jul-2023 04:36*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW99C-20230721
Collection Date: 21-Jul-2023 09:45

ANALYTICAL REPORT
WorkOrder:HS23071527
Lab ID:HS23071527-04
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 16:33
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 16:33
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 16:33
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 16:33
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 16:33
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 16:33
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 16:33
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 16:33
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 16:33
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 16:33
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	04-Aug-2023 16:33
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 16:33
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:33
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 16:33
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 16:33
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 16:33
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 16:33
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:33
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	04-Aug-2023 16:33
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	04-Aug-2023 16:33
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 16:33
Naphthalene	**0.000053**	J	**0.000020**	**0.00010**	**mg/L**	1	04-Aug-2023 16:33
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 16:33
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 16:33
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 16:33
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 16:33
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 16:33
Surr: 2,4,6-Tribromophenol	*55.5*			*34-129*	*%REC*	*1*	*04-Aug-2023 16:33*
Surr: 2-Fluorobiphenyl	*55.9*			*40-125*	*%REC*	*1*	*04-Aug-2023 16:33*
Surr: 2-Fluorophenol	*41.6*			*20-120*	*%REC*	*1*	*04-Aug-2023 16:33*
Surr: 4-Terphenyl-d14	*76.3*			*40-135*	*%REC*	*1*	*04-Aug-2023 16:33*
Surr: Nitrobenzene-d5	*43.6*			*41-120*	*%REC*	*1*	*04-Aug-2023 16:33*
Surr: Phenol-d6	*44.5*			*20-120*	*%REC*	*1*	*04-Aug-2023 16:33*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.000469**	J	**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 18:48

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW54B-20230721 Lab ID:HS23071527-05
Collection Date: 21-Jul-2023 10:40 Matrix:GW

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	28-Jul-2023 04:57
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 04:57
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 04:57
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 04:57
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 04:57
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 04:57
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	28-Jul-2023 04:57
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*28-Jul-2023 04:57*
Surr: 4-Bromofluorobenzene	*94.7*			*77-113*	*%REC*	*1*	*28-Jul-2023 04:57*
Surr: Dibromofluoromethane	*97.1*			*77-123*	*%REC*	*1*	*28-Jul-2023 04:57*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*28-Jul-2023 04:57*

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW54B-20230721 Lab ID:HS23071527-05
Collection Date: 21-Jul-2023 10:40 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 16:57
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 16:57
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 16:57
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 16:57
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 16:57
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 16:57
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 16:57
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 16:57
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 16:57
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 16:57
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	04-Aug-2023 16:57
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 16:57
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:57
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 16:57
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 16:57
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 16:57
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 16:57
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:57
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	04-Aug-2023 16:57
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	04-Aug-2023 16:57
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 16:57
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 16:57
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 16:57
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 16:57
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 16:57
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 16:57
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 16:57
Surr: 2,4,6-Tribromophenol	*59.1*			*34-129*	*%REC*	*1*	*04-Aug-2023 16:57*
Surr: 2-Fluorobiphenyl	*56.1*			*40-125*	*%REC*	*1*	*04-Aug-2023 16:57*
Surr: 2-Fluorophenol	*44.0*			*20-120*	*%REC*	*1*	*04-Aug-2023 16:57*
Surr: 4-Terphenyl-d14	*84.1*			*40-135*	*%REC*	*1*	*04-Aug-2023 16:57*
Surr: Nitrobenzene-d5	*43.7*			*41-120*	*%REC*	*1*	*04-Aug-2023 16:57*
Surr: Phenol-d6	*46.5*			*20-120*	*%REC*	*1*	*04-Aug-2023 16:57*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.000671**	J	**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 18:50

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW67B-20230724 Lab ID:HS23071527-06
Collection Date: 24-Jul-2023 07:45 Matrix:GW

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	28-Jul-2023 03:12
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 03:12
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 03:12
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 03:12
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 03:12
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 03:12
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	28-Jul-2023 03:12
Surr: 1,2-Dichloroethane-d4	*100*			*70-126*	*%REC*	*1*	*28-Jul-2023 03:12*
Surr: 4-Bromofluorobenzene	*98.7*			*77-113*	*%REC*	*1*	*28-Jul-2023 03:12*
Surr: Dibromofluoromethane	*95.1*			*77-123*	*%REC*	*1*	*28-Jul-2023 03:12*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*28-Jul-2023 03:12*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW67B-20230724
Collection Date: 24-Jul-2023 07:45

ANALYTICAL REPORT
WorkOrder:HS23071527
Lab ID:HS23071527-06
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 14:35
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 14:35
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 14:35
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 14:35
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 14:35
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 14:35
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 14:35
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 14:35
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 14:35
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 14:35
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	04-Aug-2023 14:35
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 14:35
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 14:35
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 14:35
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 14:35
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 14:35
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 14:35
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 14:35
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	04-Aug-2023 14:35
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	04-Aug-2023 14:35
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 14:35
Naphthalene	**0.000058**	J	**0.000020**	**0.00010**	**mg/L**	1	04-Aug-2023 14:35
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 14:35
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 14:35
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 14:35
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 14:35
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 14:35
Surr: 2,4,6-Tribromophenol	*55.5*			*34-129*	*%REC*	*1*	*04-Aug-2023 14:35*
Surr: 2-Fluorobiphenyl	*56.6*			*40-125*	*%REC*	*1*	*04-Aug-2023 14:35*
Surr: 2-Fluorophenol	*41.9*			*20-120*	*%REC*	*1*	*04-Aug-2023 14:35*
Surr: 4-Terphenyl-d14	*85.5*			*40-135*	*%REC*	*1*	*04-Aug-2023 14:35*
Surr: Nitrobenzene-d5	*45.6*			*41-120*	*%REC*	*1*	*04-Aug-2023 14:35*
Surr: Phenol-d6	*45.0*			*20-120*	*%REC*	*1*	*04-Aug-2023 14:35*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.00106**	J	**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 18:20

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW48C-20230724 Lab ID:HS23071527-07
Collection Date: 24-Jul-2023 08:45 Matrix:GW

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	28-Jul-2023 05:18
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 05:18
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 05:18
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 05:18
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 05:18
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 05:18
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	28-Jul-2023 05:18
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*28-Jul-2023 05:18*
Surr: 4-Bromofluorobenzene	*97.6*			*77-113*	*%REC*	*1*	*28-Jul-2023 05:18*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*28-Jul-2023 05:18*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*28-Jul-2023 05:18*

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW48C-20230724 Lab ID:HS23071527-07
Collection Date: 24-Jul-2023 08:45 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: DLB
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2023 14:45
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	16-Aug-2023 14:45
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	16-Aug-2023 14:45
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	16-Aug-2023 14:45
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	16-Aug-2023 14:45
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	16-Aug-2023 14:45
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	16-Aug-2023 14:45
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	16-Aug-2023 14:45
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	16-Aug-2023 14:45
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	16-Aug-2023 14:45
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	16-Aug-2023 14:45
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	16-Aug-2023 14:45
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	16-Aug-2023 14:45
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	16-Aug-2023 14:45
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	16-Aug-2023 14:45
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	16-Aug-2023 14:45
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	16-Aug-2023 14:45
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	16-Aug-2023 14:45
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	16-Aug-2023 14:45
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	16-Aug-2023 14:45
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	16-Aug-2023 14:45
Naphthalene	**0.000068**	J	**0.000020**	**0.00010**	**mg/L**	1	16-Aug-2023 14:45
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	16-Aug-2023 14:45
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	16-Aug-2023 14:45
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	16-Aug-2023 14:45
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	16-Aug-2023 14:45
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	16-Aug-2023 14:45
Surr: 2,4,6-Tribromophenol	*54.4*			*34-129*	*%REC*	*1*	*16-Aug-2023 14:45*
Surr: 2-Fluorobiphenyl	*55.2*			*40-125*	*%REC*	*1*	*16-Aug-2023 14:45*
Surr: 2-Fluorophenol	*42.0*			*20-120*	*%REC*	*1*	*16-Aug-2023 14:45*
Surr: 4-Terphenyl-d14	*80.7*			*40-135*	*%REC*	*1*	*16-Aug-2023 14:45*
Surr: Nitrobenzene-d5	*47.9*			*41-120*	*%REC*	*1*	*16-Aug-2023 14:45*
Surr: Phenol-d6	*46.0*			*20-120*	*%REC*	*1*	*16-Aug-2023 14:45*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.00217**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 18:52

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-FD06-20230724 Lab ID:HS23071527-08
Collection Date: 24-Jul-2023 08:45 Matrix:GW

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	28-Jul-2023 05:39
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 05:39
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 05:39
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 05:39
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 05:39
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 05:39
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	28-Jul-2023 05:39
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*28-Jul-2023 05:39*
Surr: 4-Bromofluorobenzene	*97.9*			*77-113*	*%REC*	*1*	*28-Jul-2023 05:39*
Surr: Dibromofluoromethane	*100.0*			*77-123*	*%REC*	*1*	*28-Jul-2023 05:39*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*28-Jul-2023 05:39*

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-FD06-20230724 Lab ID:HS23071527-08
Collection Date: 24-Jul-2023 08:45 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: DLB
1,2-Diphenylhydrazine	< 0.000042		0.000042	0.00040	mg/L	2	16-Aug-2023 15:53
2,4-Dimethylphenol	< 0.000080		0.000080	0.00040	mg/L	2	16-Aug-2023 15:53
2,4-Dinitrotoluene	< 0.00012		0.00012	0.00040	mg/L	2	16-Aug-2023 15:53
2,6-Dinitrotoluene	< 0.000084		0.000084	0.00040	mg/L	2	16-Aug-2023 15:53
2-Chloronaphthalene	< 0.000042		0.000042	0.00040	mg/L	2	16-Aug-2023 15:53
2-Methylnaphthalene	< 0.000038		0.000038	0.00020	mg/L	2	16-Aug-2023 15:53
4,6-Dinitro-2-methylphenol	< 0.000040		0.000040	0.0020	mg/L	2	16-Aug-2023 15:53
4-Nitrophenol	< 0.000094		0.000094	0.0020	mg/L	2	16-Aug-2023 15:53
Acenaphthene	< 0.000054		0.000054	0.00020	mg/L	2	16-Aug-2023 15:53
Acenaphthylene	< 0.000030		0.000030	0.00020	mg/L	2	16-Aug-2023 15:53
Anthracene	< 0.000028		0.000028	0.00020	mg/L	2	16-Aug-2023 15:53
Benz(a)anthracene	< 0.00010		0.00010	0.00020	mg/L	2	16-Aug-2023 15:53
Benzo(a)pyrene	< 0.000040		0.000040	0.00020	mg/L	2	16-Aug-2023 15:53
Bis(2-chloroethoxy)methane	< 0.000060		0.000060	0.00040	mg/L	2	16-Aug-2023 15:53
Bis(2-ethylhexyl)phthalate	< 0.000074		0.000074	0.00040	mg/L	2	16-Aug-2023 15:53
Chrysene	< 0.000042		0.000042	0.00020	mg/L	2	16-Aug-2023 15:53
Di-n-butyl phthalate	< 0.000040		0.000040	0.00040	mg/L	2	16-Aug-2023 15:53
Dibenzofuran	< 0.000040		0.000040	0.00020	mg/L	2	16-Aug-2023 15:53
Fluoranthene	< 0.000020		0.000020	0.00020	mg/L	2	16-Aug-2023 15:53
Fluorene	< 0.000060		0.000060	0.00020	mg/L	2	16-Aug-2023 15:53
N-Nitrosodiphenylamine	< 0.000050		0.000050	0.00040	mg/L	2	16-Aug-2023 15:53
Naphthalene	< 0.000040		0.000040	0.00020	mg/L	2	16-Aug-2023 15:53
Nitrobenzene	< 0.000048		0.000048	0.00040	mg/L	2	16-Aug-2023 15:53
Pentachlorophenol	< 0.00016		0.00016	0.00040	mg/L	2	16-Aug-2023 15:53
Phenanthrene	< 0.000042		0.000042	0.00020	mg/L	2	16-Aug-2023 15:53
Phenol	< 0.000070		0.000070	0.00040	mg/L	2	16-Aug-2023 15:53
Pyrene	< 0.000038		0.000038	0.00020	mg/L	2	16-Aug-2023 15:53
Surr: 2,4,6-Tribromophenol	*76.2*			*34-129*	*%REC*	*2*	*16-Aug-2023 15:53*
Surr: 2-Fluorobiphenyl	*71.2*			*40-125*	*%REC*	*2*	*16-Aug-2023 15:53*
Surr: 2-Fluorophenol	*49.6*			*20-120*	*%REC*	*2*	*16-Aug-2023 15:53*
Surr: 4-Terphenyl-d14	*111*			*40-135*	*%REC*	*2*	*16-Aug-2023 15:53*
Surr: Nitrobenzene-d5	*59.2*			*41-120*	*%REC*	*2*	*16-Aug-2023 15:53*
Surr: Phenol-d6	*55.5*			*20-120*	*%REC*	*2*	*16-Aug-2023 15:53*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.00169**	J	**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 18:54

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW36B-20230724 Lab ID:HS23071527-09
Collection Date: 24-Jul-2023 09:45 Matrix:GW

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	28-Jul-2023 06:00
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 06:00
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 06:00
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 06:00
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 06:00
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 06:00
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	28-Jul-2023 06:00
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*28-Jul-2023 06:00*
Surr: 4-Bromofluorobenzene	*97.4*			*77-113*	*%REC*	*1*	*28-Jul-2023 06:00*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*28-Jul-2023 06:00*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*28-Jul-2023 06:00*

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW36B-20230724 Lab ID:HS23071527-09
Collection Date: 24-Jul-2023 09:45 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 18:08
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 18:08
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 18:08
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 18:08
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 18:08
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 18:08
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 18:08
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 18:08
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 18:08
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 18:08
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	04-Aug-2023 18:08
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 18:08
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 18:08
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 18:08
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 18:08
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 18:08
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 18:08
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 18:08
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	04-Aug-2023 18:08
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	04-Aug-2023 18:08
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 18:08
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 18:08
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 18:08
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 18:08
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 18:08
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 18:08
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 18:08
Surr: 2,4,6-Tribromophenol	*61.9*			*34-129*	*%REC*	*1*	*04-Aug-2023 18:08*
Surr: 2-Fluorobiphenyl	*57.7*			*40-125*	*%REC*	*1*	*04-Aug-2023 18:08*
Surr: 2-Fluorophenol	*42.6*			*20-120*	*%REC*	*1*	*04-Aug-2023 18:08*
Surr: 4-Terphenyl-d14	*85.5*			*40-135*	*%REC*	*1*	*04-Aug-2023 18:08*
Surr: Nitrobenzene-d5	*45.2*			*41-120*	*%REC*	*1*	*04-Aug-2023 18:08*
Surr: Phenol-d6	*45.6*			*20-120*	*%REC*	*1*	*04-Aug-2023 18:08*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.00107**	J	**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 18:56

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW34CR-20230724 Lab ID:HS23071527-10
Collection Date: 24-Jul-2023 10:35 Matrix:GW

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	28-Jul-2023 06:21
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 06:21
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 06:21
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 06:21
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 06:21
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 06:21
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	28-Jul-2023 06:21
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*28-Jul-2023 06:21*
Surr: 4-Bromofluorobenzene	*94.9*			*77-113*	*%REC*	*1*	*28-Jul-2023 06:21*
Surr: Dibromofluoromethane	*98.4*			*77-123*	*%REC*	*1*	*28-Jul-2023 06:21*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*28-Jul-2023 06:21*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW34CR-20230724
Collection Date: 24-Jul-2023 10:35

ANALYTICAL REPORT
WorkOrder:HS23071527
Lab ID:HS23071527-10
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 18:32
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 18:32
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 18:32
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 18:32
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 18:32
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 18:32
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 18:32
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 18:32
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 18:32
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 18:32
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	04-Aug-2023 18:32
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 18:32
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 18:32
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 18:32
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 18:32
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 18:32
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 18:32
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 18:32
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	04-Aug-2023 18:32
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	04-Aug-2023 18:32
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 18:32
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 18:32
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 18:32
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 18:32
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 18:32
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 18:32
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 18:32
Surr: 2,4,6-Tribromophenol	*59.0*			*34-129*	*%REC*	*1*	*04-Aug-2023 18:32*
Surr: 2-Fluorobiphenyl	*65.0*			*40-125*	*%REC*	*1*	*04-Aug-2023 18:32*
Surr: 2-Fluorophenol	*36.7*			*20-120*	*%REC*	*1*	*04-Aug-2023 18:32*
Surr: 4-Terphenyl-d14	*78.8*			*40-135*	*%REC*	*1*	*04-Aug-2023 18:32*
Surr: Nitrobenzene-d5	*49.8*			*41-120*	*%REC*	*1*	*04-Aug-2023 18:32*
Surr: Phenol-d6	*43.2*			*20-120*	*%REC*	*1*	*04-Aug-2023 18:32*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.000819**	J	**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 18:58

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW44A-20230724 Lab ID:HS23071527-11
Collection Date: 24-Jul-2023 11:25 Matrix:GW

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	28-Jul-2023 06:42
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 06:42
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 06:42
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 06:42
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 06:42
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 06:42
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	28-Jul-2023 06:42
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*28-Jul-2023 06:42*
Surr: 4-Bromofluorobenzene	*96.9*			*77-113*	*%REC*	*1*	*28-Jul-2023 06:42*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*28-Jul-2023 06:42*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*28-Jul-2023 06:42*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW44A-20230724
Collection Date: 24-Jul-2023 11:25

ANALYTICAL REPORT
WorkOrder:HS23071527
Lab ID:HS23071527-11
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 28-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	04-Aug-2023 18:56
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	04-Aug-2023 18:56
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	04-Aug-2023 18:56
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	04-Aug-2023 18:56
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	04-Aug-2023 18:56
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	04-Aug-2023 18:56
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	04-Aug-2023 18:56
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	04-Aug-2023 18:56
Acenaphthene	**0.045**		**0.00027**	**0.0010**	**mg/L**	10	04-Aug-2023 18:56
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	04-Aug-2023 18:56
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	04-Aug-2023 18:56
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	04-Aug-2023 18:56
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	04-Aug-2023 18:56
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	04-Aug-2023 18:56
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	04-Aug-2023 18:56
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	04-Aug-2023 18:56
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	04-Aug-2023 18:56
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	04-Aug-2023 18:56
Fluoranthene	**0.0037**		**0.00010**	**0.0010**	**mg/L**	10	04-Aug-2023 18:56
Fluorene	**0.011**		**0.00030**	**0.0010**	**mg/L**	10	04-Aug-2023 18:56
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	04-Aug-2023 18:56
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	04-Aug-2023 18:56
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	04-Aug-2023 18:56
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	04-Aug-2023 18:56
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	04-Aug-2023 18:56
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	04-Aug-2023 18:56
Pyrene	**0.0053**		**0.00019**	**0.0010**	**mg/L**	10	04-Aug-2023 18:56
Surr: 2,4,6-Tribromophenol	*68.1*			*34-129*	*%REC*	*10*	*04-Aug-2023 18:56*
Surr: 2-Fluorobiphenyl	*59.5*			*40-125*	*%REC*	*10*	*04-Aug-2023 18:56*
Surr: 2-Fluorophenol	*46.0*			*20-120*	*%REC*	*10*	*04-Aug-2023 18:56*
Surr: 4-Terphenyl-d14	*92.0*			*40-135*	*%REC*	*10*	*04-Aug-2023 18:56*
Surr: Nitrobenzene-d5	*48.5*			*41-120*	*%REC*	*10*	*04-Aug-2023 18:56*
Surr: Phenol-d6	*49.3*			*20-120*	*%REC*	*10*	*04-Aug-2023 18:56*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.0102**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 19:00

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW45C-20230724 Lab ID:HS23071527-12
Collection Date: 24-Jul-2023 12:15 Matrix:GW

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	28-Jul-2023 07:04
Benzene	**0.020**		**0.00020**	**0.0010**	**mg/L**	1	28-Jul-2023 07:04
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 07:04
Ethylbenzene	**0.18**		**0.00030**	**0.0010**	**mg/L**	1	28-Jul-2023 07:04
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 07:04
Toluene	**0.10**		**0.00020**	**0.0010**	**mg/L**	1	28-Jul-2023 07:04
Xylenes, Total	**0.51**		**0.00030**	**0.0030**	**mg/L**	1	28-Jul-2023 07:04
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*28-Jul-2023 07:04*
Surr: 4-Bromofluorobenzene	*106*			*77-113*	*%REC*	*1*	*28-Jul-2023 07:04*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*28-Jul-2023 07:04*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*28-Jul-2023 07:04*

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW45C-20230724 Lab ID:HS23071527-12
Collection Date: 24-Jul-2023 12:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	04-Aug-2023 19:19
2,4-Dimethylphenol	**0.0040**		**0.00040**	**0.0020**	**mg/L**	10	04-Aug-2023 19:19
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	04-Aug-2023 19:19
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	04-Aug-2023 19:19
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	04-Aug-2023 19:19
2-Methylnaphthalene	**0.078**		**0.00019**	**0.0010**	**mg/L**	10	04-Aug-2023 19:19
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	04-Aug-2023 19:19
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	04-Aug-2023 19:19
Acenaphthene	**0.028**		**0.00027**	**0.0010**	**mg/L**	10	04-Aug-2023 19:19
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	04-Aug-2023 19:19
Anthracene	**0.0066**		**0.00014**	**0.0010**	**mg/L**	10	04-Aug-2023 19:19
Benz(a)anthracene	**0.0033**		**0.00050**	**0.0010**	**mg/L**	10	04-Aug-2023 19:19
Benzo(a)pyrene	**0.0016**		**0.00020**	**0.0010**	**mg/L**	10	04-Aug-2023 19:19
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	04-Aug-2023 19:19
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	04-Aug-2023 19:19
Chrysene	**0.0033**		**0.00021**	**0.0010**	**mg/L**	10	04-Aug-2023 19:19
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	04-Aug-2023 19:19
Dibenzofuran	**0.032**		**0.00020**	**0.0010**	**mg/L**	10	04-Aug-2023 19:19
Fluoranthene	**0.011**		**0.00010**	**0.0010**	**mg/L**	10	04-Aug-2023 19:19
Fluorene	**0.019**		**0.00030**	**0.0010**	**mg/L**	10	04-Aug-2023 19:19
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	04-Aug-2023 19:19
Naphthalene	**1.0**		**0.020**	**0.10**	**mg/L**	1000	16-Aug-2023 16:16
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	04-Aug-2023 19:19
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	04-Aug-2023 19:19
Phenanthrene	**0.032**		**0.00021**	**0.0010**	**mg/L**	10	04-Aug-2023 19:19
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	04-Aug-2023 19:19
Pyrene	**0.0093**		**0.00019**	**0.0010**	**mg/L**	10	04-Aug-2023 19:19
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*16-Aug-2023 16:16*
Surr: 2,4,6-Tribromophenol	*51.8*			*34-129*	*%REC*	*10*	*04-Aug-2023 19:19*
Surr: 2-Fluorobiphenyl	*50.0*			*40-125*	*%REC*	*10*	*04-Aug-2023 19:19*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*16-Aug-2023 16:16*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*16-Aug-2023 16:16*
Surr: 2-Fluorophenol	*41.2*			*20-120*	*%REC*	*10*	*04-Aug-2023 19:19*
Surr: 4-Terphenyl-d14	*97.7*			*40-135*	*%REC*	*10*	*04-Aug-2023 19:19*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*16-Aug-2023 16:16*
Surr: Nitrobenzene-d5	*35.4*	*JS*		*41-120*	*%REC*	*10*	*04-Aug-2023 19:19*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*16-Aug-2023 16:16*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*16-Aug-2023 16:16*
Surr: Phenol-d6	*37.3*	*J*		*20-120*	*%REC*	*10*	*04-Aug-2023 19:19*

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW45C-20230724 Lab ID:HS23071527-12
Collection Date: 24-Jul-2023 12:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.0874**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 19:02

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW74B-20230724 Lab ID:HS23071527-13
Collection Date: 24-Jul-2023 13:20 Matrix:GW

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	28-Jul-2023 07:25
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 07:25
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 07:25
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 07:25
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 07:25
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 07:25
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	28-Jul-2023 07:25
Surr: 1,2-Dichloroethane-d4	*99.8*			*70-126*	*%REC*	*1*	*28-Jul-2023 07:25*
Surr: 4-Bromofluorobenzene	*94.0*			*77-113*	*%REC*	*1*	*28-Jul-2023 07:25*
Surr: Dibromofluoromethane	*94.9*			*77-123*	*%REC*	*1*	*28-Jul-2023 07:25*
Surr: Toluene-d8	*96.1*			*82-127*	*%REC*	*1*	*28-Jul-2023 07:25*

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW74B-20230724 Lab ID:HS23071527-13
Collection Date: 24-Jul-2023 13:20 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 19:43
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 19:43
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 19:43
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 19:43
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 19:43
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 19:43
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 19:43
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 19:43
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 19:43
Acenaphthylene	**0.000055**	J	**0.000015**	**0.00010**	**mg/L**	1	04-Aug-2023 19:43
Anthracene	**0.000074**	J	**0.000014**	**0.00010**	**mg/L**	1	04-Aug-2023 19:43
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 19:43
Benzo(a)pyrene	**0.00031**		**0.000020**	**0.00010**	**mg/L**	1	04-Aug-2023 19:43
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 19:43
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 19:43
Chrysene	**0.00018**		**0.000021**	**0.00010**	**mg/L**	1	04-Aug-2023 19:43
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 19:43
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 19:43
Fluoranthene	**0.00012**		**0.000010**	**0.00010**	**mg/L**	1	04-Aug-2023 19:43
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	04-Aug-2023 19:43
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 19:43
Naphthalene	**0.000036**	J	**0.000020**	**0.00010**	**mg/L**	1	04-Aug-2023 19:43
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 19:43
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 19:43
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 19:43
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 19:43
Pyrene	**0.00013**		**0.000019**	**0.00010**	**mg/L**	1	04-Aug-2023 19:43
Surr: 2,4,6-Tribromophenol	*69.3*			*34-129*	*%REC*	*1*	*04-Aug-2023 19:43*
Surr: 2-Fluorobiphenyl	*64.1*			*40-125*	*%REC*	*1*	*04-Aug-2023 19:43*
Surr: 2-Fluorophenol	*46.9*			*20-120*	*%REC*	*1*	*04-Aug-2023 19:43*
Surr: 4-Terphenyl-d14	*84.9*			*40-135*	*%REC*	*1*	*04-Aug-2023 19:43*
Surr: Nitrobenzene-d5	*48.6*			*41-120*	*%REC*	*1*	*04-Aug-2023 19:43*
Surr: Phenol-d6	*49.8*			*20-120*	*%REC*	*1*	*04-Aug-2023 19:43*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.00136**	J	**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 19:04

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW75B-20230724 Lab ID:HS23071527-14
Collection Date: 24-Jul-2023 14:20 Matrix:GW

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	28-Jul-2023 07:46
Benzene	**0.13**		**0.00020**	**0.0010**	**mg/L**	1	28-Jul-2023 07:46
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 07:46
Ethylbenzene	**0.13**		**0.00030**	**0.0010**	**mg/L**	1	28-Jul-2023 07:46
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 07:46
Toluene	**0.28**		**0.0020**	**0.010**	**mg/L**	10	28-Jul-2023 14:13
Xylenes, Total	**0.43**		**0.00030**	**0.0030**	**mg/L**	1	28-Jul-2023 07:46
Surr: 1,2-Dichloroethane-d4	*98.3*			*70-126*	*%REC*	*1*	*28-Jul-2023 07:46*
Surr: 1,2-Dichloroethane-d4	*95.1*			*70-126*	*%REC*	*10*	*28-Jul-2023 14:13*
Surr: 4-Bromofluorobenzene	*105*			*77-113*	*%REC*	*1*	*28-Jul-2023 07:46*
Surr: 4-Bromofluorobenzene	*97.4*			*77-113*	*%REC*	*10*	*28-Jul-2023 14:13*
Surr: Dibromofluoromethane	*94.7*			*77-123*	*%REC*	*1*	*28-Jul-2023 07:46*
Surr: Dibromofluoromethane	*88.8*			*77-123*	*%REC*	*10*	*28-Jul-2023 14:13*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*28-Jul-2023 07:46*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*10*	*28-Jul-2023 14:13*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW75B-20230724
Collection Date: 24-Jul-2023 14:20

ANALYTICAL REPORT
WorkOrder:HS23071527
Lab ID:HS23071527-14
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	04-Aug-2023 20:07
2,4-Dimethylphenol	**0.013**		**0.00040**	**0.0020**	**mg/L**	10	04-Aug-2023 20:07
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	04-Aug-2023 20:07
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	04-Aug-2023 20:07
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	04-Aug-2023 20:07
2-Methylnaphthalene	**0.58**		**0.0019**	**0.010**	**mg/L**	100	10-Aug-2023 17:43
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	04-Aug-2023 20:07
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	04-Aug-2023 20:07
Acenaphthene	**0.44**		**0.0027**	**0.010**	**mg/L**	100	10-Aug-2023 17:43
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	04-Aug-2023 20:07
Anthracene	**0.33**		**0.0014**	**0.010**	**mg/L**	100	10-Aug-2023 17:43
Benz(a)anthracene	**0.061**		**0.00050**	**0.0010**	**mg/L**	10	04-Aug-2023 20:07
Benzo(a)pyrene	**0.019**		**0.00020**	**0.0010**	**mg/L**	10	04-Aug-2023 20:07
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	04-Aug-2023 20:07
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	04-Aug-2023 20:07
Chrysene	**0.053**		**0.00021**	**0.0010**	**mg/L**	10	04-Aug-2023 20:07
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	04-Aug-2023 20:07
Dibenzofuran	**0.38**		**0.0020**	**0.010**	**mg/L**	100	10-Aug-2023 17:43
Fluoranthene	**0.42**		**0.0010**	**0.010**	**mg/L**	100	10-Aug-2023 17:43
Fluorene	**0.42**		**0.0030**	**0.010**	**mg/L**	100	10-Aug-2023 17:43
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	04-Aug-2023 20:07
Naphthalene	**3.7**		**0.020**	**0.10**	**mg/L**	1000	10-Aug-2023 18:07
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	04-Aug-2023 20:07
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	04-Aug-2023 20:07
Phenanthrene	**1.3**		**0.021**	**0.10**	**mg/L**	1000	10-Aug-2023 18:07
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	04-Aug-2023 20:07
Pyrene	**0.00076**	J	**0.00019**	**0.0010**	**mg/L**	10	04-Aug-2023 20:07
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*10-Aug-2023 18:07*
Surr: 2,4,6-Tribromophenol	*59.2*			*34-129*	*%REC*	*10*	*04-Aug-2023 20:07*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*10-Aug-2023 17:43*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*10-Aug-2023 17:43*
Surr: 2-Fluorobiphenyl	*68.6*			*40-125*	*%REC*	*10*	*04-Aug-2023 20:07*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*10-Aug-2023 18:07*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*10-Aug-2023 18:07*
Surr: 2-Fluorophenol	*59.1*			*20-120*	*%REC*	*10*	*04-Aug-2023 20:07*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*10-Aug-2023 17:43*
Surr: 4-Terphenyl-d14	*124*	*J*		*40-135*	*%REC*	*100*	*10-Aug-2023 17:43*
Surr: 4-Terphenyl-d14	*105*			*40-135*	*%REC*	*10*	*04-Aug-2023 20:07*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*10-Aug-2023 18:07*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW75B-20230724
Collection Date: 24-Jul-2023 14:20

ANALYTICAL REPORT
WorkOrder:HS23071527
Lab ID:HS23071527-14
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 28-Jul-2023		Analyst: MBG
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*10-Aug-2023 17:43*
Surr: Nitrobenzene-d5	*51.3*			*41-120*	*%REC*	*10*	*04-Aug-2023 20:07*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*10-Aug-2023 18:07*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*10-Aug-2023 18:07*
Surr: Phenol-d6	*57.8*			*20-120*	*%REC*	*10*	*04-Aug-2023 20:07*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*10-Aug-2023 17:43*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.000876**	J	**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 19:10

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW49A-20230724 Lab ID:HS23071527-15
Collection Date: 24-Jul-2023 15:15 Matrix:GW

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	28-Jul-2023 08:07
Benzene	**0.15**		**0.00020**	**0.0010**	**mg/L**	1	28-Jul-2023 08:07
Chlorobenzene	**0.0024**		**0.00030**	**0.0010**	**mg/L**	1	28-Jul-2023 08:07
Ethylbenzene	**0.12**		**0.00030**	**0.0010**	**mg/L**	1	28-Jul-2023 08:07
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 08:07
Toluene	**0.18**		**0.0020**	**0.010**	**mg/L**	10	28-Jul-2023 14:34
Xylenes, Total	**0.29**		**0.00030**	**0.0030**	**mg/L**	1	28-Jul-2023 08:07
Surr: 1,2-Dichloroethane-d4	*100*			*70-126*	*%REC*	*1*	*28-Jul-2023 08:07*
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*10*	*28-Jul-2023 14:34*
Surr: 4-Bromofluorobenzene	*105*			*77-113*	*%REC*	*1*	*28-Jul-2023 08:07*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*10*	*28-Jul-2023 14:34*
Surr: Dibromofluoromethane	*95.0*			*77-123*	*%REC*	*1*	*28-Jul-2023 08:07*
Surr: Dibromofluoromethane	*96.4*			*77-123*	*%REC*	*10*	*28-Jul-2023 14:34*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*28-Jul-2023 08:07*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*10*	*28-Jul-2023 14:34*

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW49A-20230724 Lab ID:HS23071527-15
Collection Date: 24-Jul-2023 15:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	04-Aug-2023 20:30
2,4-Dimethylphenol	**0.40**		**0.0040**	**0.020**	**mg/L**	100	10-Aug-2023 18:31
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	04-Aug-2023 20:30
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	04-Aug-2023 20:30
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	04-Aug-2023 20:30
2-Methylnaphthalene	**0.049**		**0.00019**	**0.0010**	**mg/L**	10	04-Aug-2023 20:30
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	04-Aug-2023 20:30
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	04-Aug-2023 20:30
Acenaphthene	**0.023**		**0.00027**	**0.0010**	**mg/L**	10	04-Aug-2023 20:30
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	04-Aug-2023 20:30
Anthracene	**0.0051**		**0.00014**	**0.0010**	**mg/L**	10	04-Aug-2023 20:30
Benz(a)anthracene	**0.0020**		**0.00050**	**0.0010**	**mg/L**	10	04-Aug-2023 20:30
Benzo(a)pyrene	**0.0012**		**0.00020**	**0.0010**	**mg/L**	10	04-Aug-2023 20:30
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	04-Aug-2023 20:30
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	04-Aug-2023 20:30
Chrysene	**0.0020**		**0.00021**	**0.0010**	**mg/L**	10	04-Aug-2023 20:30
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	04-Aug-2023 20:30
Dibenzofuran	**0.017**		**0.00020**	**0.0010**	**mg/L**	10	04-Aug-2023 20:30
Fluoranthene	**0.0091**		**0.00010**	**0.0010**	**mg/L**	10	04-Aug-2023 20:30
Fluorene	**0.015**		**0.00030**	**0.0010**	**mg/L**	10	04-Aug-2023 20:30
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	04-Aug-2023 20:30
Naphthalene	**0.74**		**0.0020**	**0.010**	**mg/L**	100	10-Aug-2023 18:31
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	04-Aug-2023 20:30
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	04-Aug-2023 20:30
Phenanthrene	**0.025**		**0.00021**	**0.0010**	**mg/L**	10	04-Aug-2023 20:30
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	04-Aug-2023 20:30
Pyrene	**0.0065**		**0.00019**	**0.0010**	**mg/L**	10	04-Aug-2023 20:30
Surr: 2,4,6-Tribromophenol	*78.9*			*34-129*	*%REC*	*10*	*04-Aug-2023 20:30*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*10-Aug-2023 18:31*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*10-Aug-2023 18:31*
Surr: 2-Fluorobiphenyl	*65.6*			*40-125*	*%REC*	*10*	*04-Aug-2023 20:30*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*10-Aug-2023 18:31*
Surr: 2-Fluorophenol	*50.4*			*20-120*	*%REC*	*10*	*04-Aug-2023 20:30*
Surr: 4-Terphenyl-d14	*93.6*			*40-135*	*%REC*	*10*	*04-Aug-2023 20:30*
Surr: 4-Terphenyl-d14	*101*	*J*		*40-135*	*%REC*	*100*	*10-Aug-2023 18:31*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*10-Aug-2023 18:31*
Surr: Nitrobenzene-d5	*52.6*			*41-120*	*%REC*	*10*	*04-Aug-2023 20:30*
Surr: Phenol-d6	*51.2*			*20-120*	*%REC*	*10*	*04-Aug-2023 20:30*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*10-Aug-2023 18:31*

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW49A-20230724 Lab ID:HS23071527-15
Collection Date: 24-Jul-2023 15:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.00174**	J	**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 19:12

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-FB10-20230724 Lab ID:HS23071527-16
Collection Date: 24-Jul-2023 17:25 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	28-Jul-2023 02:09
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 02:09
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 02:09
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 02:09
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	28-Jul-2023 02:09
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 02:09
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	28-Jul-2023 02:09
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*28-Jul-2023 02:09*
Surr: 4-Bromofluorobenzene	*96.9*			*77-113*	*%REC*	*1*	*28-Jul-2023 02:09*
Surr: Dibromofluoromethane	*97.9*			*77-123*	*%REC*	*1*	*28-Jul-2023 02:09*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*28-Jul-2023 02:09*

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-FB10-20230724 Lab ID:HS23071527-16
Collection Date: 24-Jul-2023 17:25 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 20:54
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	04-Aug-2023 20:54
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	04-Aug-2023 20:54
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	04-Aug-2023 20:54
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	04-Aug-2023 20:54
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 20:54
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	04-Aug-2023 20:54
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	04-Aug-2023 20:54
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	04-Aug-2023 20:54
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	04-Aug-2023 20:54
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	04-Aug-2023 20:54
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	04-Aug-2023 20:54
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 20:54
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	04-Aug-2023 20:54
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	04-Aug-2023 20:54
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 20:54
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	04-Aug-2023 20:54
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 20:54
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	04-Aug-2023 20:54
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	04-Aug-2023 20:54
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	04-Aug-2023 20:54
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	04-Aug-2023 20:54
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	04-Aug-2023 20:54
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	04-Aug-2023 20:54
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	04-Aug-2023 20:54
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	04-Aug-2023 20:54
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	04-Aug-2023 20:54
Surr: 2,4,6-Tribromophenol	*67.0*			*34-129*	*%REC*	*1*	*04-Aug-2023 20:54*
Surr: 2-Fluorobiphenyl	*78.6*			*40-125*	*%REC*	*1*	*04-Aug-2023 20:54*
Surr: 2-Fluorophenol	*60.4*			*20-120*	*%REC*	*1*	*04-Aug-2023 20:54*
Surr: 4-Terphenyl-d14	*86.2*			*40-135*	*%REC*	*1*	*04-Aug-2023 20:54*
Surr: Nitrobenzene-d5	*61.1*			*41-120*	*%REC*	*1*	*04-Aug-2023 20:54*
Surr: Phenol-d6	*62.6*			*20-120*	*%REC*	*1*	*04-Aug-2023 20:54*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	07-Aug-2023 19:14

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW49B-20230724 Lab ID:HS23071527-17
Collection Date: 24-Jul-2023 16:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.0020		0.0020	0.010	mg/L	10	28-Jul-2023 08:28
Benzene	**0.47**		**0.0020**	**0.010**	**mg/L**	10	28-Jul-2023 08:28
Chlorobenzene	< 0.0030		0.0030	0.010	mg/L	10	28-Jul-2023 08:28
Ethylbenzene	**0.21**		**0.0030**	**0.010**	**mg/L**	10	28-Jul-2023 08:28
Methylene chloride	< 0.010		0.010	0.020	mg/L	10	28-Jul-2023 08:28
Toluene	**0.67**		**0.0020**	**0.010**	**mg/L**	10	28-Jul-2023 08:28
Xylenes, Total	**0.61**		**0.0030**	**0.030**	**mg/L**	10	28-Jul-2023 08:28
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*10*	*28-Jul-2023 08:28*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*10*	*28-Jul-2023 08:28*
Surr: Dibromofluoromethane	*95.2*			*77-123*	*%REC*	*10*	*28-Jul-2023 08:28*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*10*	*28-Jul-2023 08:28*

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW49B-20230724 Lab ID:HS23071527-17
Collection Date: 24-Jul-2023 16:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 28-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.0021		0.0021	0.020	mg/L	100	10-Aug-2023 18:55
2,4-Dimethylphenol	**2.3**		**0.040**	**0.20**	**mg/L**	1000	10-Aug-2023 19:19
2,4-Dinitrotoluene	< 0.0058		0.0058	0.020	mg/L	100	10-Aug-2023 18:55
2,6-Dinitrotoluene	< 0.0042		0.0042	0.020	mg/L	100	10-Aug-2023 18:55
2-Chloronaphthalene	< 0.0021		0.0021	0.020	mg/L	100	10-Aug-2023 18:55
2-Methylnaphthalene	**0.53**		**0.0019**	**0.010**	**mg/L**	100	10-Aug-2023 18:55
4,6-Dinitro-2-methylphenol	< 0.0020		0.0020	0.10	mg/L	100	10-Aug-2023 18:55
4-Nitrophenol	< 0.0047		0.0047	0.10	mg/L	100	10-Aug-2023 18:55
Acenaphthene	**0.31**		**0.0027**	**0.010**	**mg/L**	100	10-Aug-2023 18:55
Acenaphthylene	< 0.0015		0.0015	0.010	mg/L	100	10-Aug-2023 18:55
Anthracene	**0.070**		**0.0014**	**0.010**	**mg/L**	100	10-Aug-2023 18:55
Benz(a)anthracene	< 0.0050		0.0050	0.010	mg/L	100	10-Aug-2023 18:55
Benzo(a)pyrene	**0.0064**	J	**0.0020**	**0.010**	**mg/L**	100	10-Aug-2023 18:55
Bis(2-chloroethoxy)methane	< 0.0030		0.0030	0.020	mg/L	100	10-Aug-2023 18:55
Bis(2-ethylhexyl)phthalate	< 0.0037		0.0037	0.020	mg/L	100	10-Aug-2023 18:55
Chrysene	**0.014**		**0.0021**	**0.010**	**mg/L**	100	10-Aug-2023 18:55
Di-n-butyl phthalate	< 0.0020		0.0020	0.020	mg/L	100	10-Aug-2023 18:55
Dibenzofuran	**0.27**		**0.0020**	**0.010**	**mg/L**	100	10-Aug-2023 18:55
Fluoranthene	**0.10**		**0.0010**	**0.010**	**mg/L**	100	10-Aug-2023 18:55
Fluorene	**0.22**		**0.0030**	**0.010**	**mg/L**	100	10-Aug-2023 18:55
N-Nitrosodiphenylamine	< 0.0025		0.0025	0.020	mg/L	100	10-Aug-2023 18:55
Naphthalene	**5.0**		**0.020**	**0.10**	**mg/L**	1000	10-Aug-2023 19:19
Nitrobenzene	< 0.0024		0.0024	0.020	mg/L	100	10-Aug-2023 18:55
Pentachlorophenol	< 0.0079		0.0079	0.020	mg/L	100	10-Aug-2023 18:55
Phenanthrene	**0.40**		**0.0021**	**0.010**	**mg/L**	100	10-Aug-2023 18:55
Phenol	< 0.0035		0.0035	0.020	mg/L	100	10-Aug-2023 18:55
Pyrene	**0.077**		**0.0019**	**0.010**	**mg/L**	100	10-Aug-2023 18:55
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*10-Aug-2023 18:55*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*10-Aug-2023 19:19*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*10-Aug-2023 18:55*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*10-Aug-2023 19:19*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*10-Aug-2023 18:55*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*10-Aug-2023 19:19*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*10-Aug-2023 18:55*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*10-Aug-2023 19:19*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*10-Aug-2023 18:55*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*10-Aug-2023 19:19*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*10-Aug-2023 19:19*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*10-Aug-2023 18:55*

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 1620-02 WorkOrder:HS23071527
Sample ID: WG-1620-MW49B-20230724 Lab ID:HS23071527-17
Collection Date: 24-Jul-2023 16:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 07-Aug-2023		Analyst: JC
Arsenic	**0.00901**		**0.000400**	**0.00200**	**mg/L**	1	07-Aug-2023 19:16

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 1620-02
WorkOrder: HS23071527

Batch ID: 198183 **Start Date:** 27 Jul 2023 15:03 **End Date:** 27 Jul 2023 15:03
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071527-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198244 **Start Date:** 28 Jul 2023 13:40 **End Date:** 28 Jul 2023 13:40
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071527-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-15	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-16	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071527-17	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198624 **Start Date:** 07 Aug 2023 08:00 **End Date:** 07 Aug 2023 08:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071527-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-14		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-15		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-16		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071527-17		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198183 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS23071527-01	WG-1620-FB09-20230720	20 Jul 2023 18:15		27 Jul 2023 15:03	09 Aug 2023 19:11	1
Batch ID: 198244 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS23071527-16	WG-1620-FB10-20230724	24 Jul 2023 17:25		28 Jul 2023 13:40	04 Aug 2023 20:54	1
Batch ID: 198244 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS23071527-02	WG-1620-MW96B-20230721	21 Jul 2023 07:35		28 Jul 2023 13:40	16 Aug 2023 15:08	10
HS23071527-03	WG-1620-MW95A-20230721	21 Jul 2023 08:35		28 Jul 2023 13:40	16 Aug 2023 15:31	1
HS23071527-04	WG-1620-MW99C-20230721	21 Jul 2023 09:45		28 Jul 2023 13:40	04 Aug 2023 16:33	1
HS23071527-05	WG-1620-MW54B-20230721	21 Jul 2023 10:40		28 Jul 2023 13:40	04 Aug 2023 16:57	1
HS23071527-06	WG-1620-MW67B-20230724	24 Jul 2023 07:45		28 Jul 2023 13:40	04 Aug 2023 14:35	1
HS23071527-07	WG-1620-MW48C-20230724	24 Jul 2023 08:45		28 Jul 2023 13:40	16 Aug 2023 14:45	1
HS23071527-08	WG-1620-FD06-20230724	24 Jul 2023 08:45		28 Jul 2023 13:40	16 Aug 2023 15:53	2
HS23071527-09	WG-1620-MW36B-20230724	24 Jul 2023 09:45		28 Jul 2023 13:40	04 Aug 2023 18:08	1
HS23071527-10	WG-1620-MW34CR-20230724	24 Jul 2023 10:35		28 Jul 2023 13:40	04 Aug 2023 18:32	1
HS23071527-11	WG-1620-MW44A-20230724	24 Jul 2023 11:25		28 Jul 2023 13:40	04 Aug 2023 18:56	10
HS23071527-12	WG-1620-MW45C-20230724	24 Jul 2023 12:15		28 Jul 2023 13:40	16 Aug 2023 16:16	1000
HS23071527-12	WG-1620-MW45C-20230724	24 Jul 2023 12:15		28 Jul 2023 13:40	04 Aug 2023 19:19	10
HS23071527-13	WG-1620-MW74B-20230724	24 Jul 2023 13:20		28 Jul 2023 13:40	04 Aug 2023 19:43	1
HS23071527-14	WG-1620-MW75B-20230724	24 Jul 2023 14:20		28 Jul 2023 13:40	10 Aug 2023 18:07	1000
HS23071527-14	WG-1620-MW75B-20230724	24 Jul 2023 14:20		28 Jul 2023 13:40	10 Aug 2023 17:43	100
HS23071527-14	WG-1620-MW75B-20230724	24 Jul 2023 14:20		28 Jul 2023 13:40	04 Aug 2023 20:07	10
HS23071527-15	WG-1620-MW49A-20230724	24 Jul 2023 15:15		28 Jul 2023 13:40	10 Aug 2023 18:31	100
HS23071527-15	WG-1620-MW49A-20230724	24 Jul 2023 15:15		28 Jul 2023 13:40	04 Aug 2023 20:30	10
HS23071527-17	WG-1620-MW49B-20230724	24 Jul 2023 16:10		28 Jul 2023 13:40	10 Aug 2023 19:19	1000
HS23071527-17	WG-1620-MW49B-20230724	24 Jul 2023 16:10		28 Jul 2023 13:40	10 Aug 2023 18:55	100

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198624 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** GW	
HS23071527-02	WG-1620-MW96B-20230721	21 Jul 2023 07:35		07 Aug 2023 08:00	07 Aug 2023 18:34	1
HS23071527-03	WG-1620-MW95A-20230721	21 Jul 2023 08:35		07 Aug 2023 08:00	07 Aug 2023 18:46	1
HS23071527-04	WG-1620-MW99C-20230721	21 Jul 2023 09:45		07 Aug 2023 08:00	07 Aug 2023 18:48	1
HS23071527-05	WG-1620-MW54B-20230721	21 Jul 2023 10:40		07 Aug 2023 08:00	07 Aug 2023 18:50	1
HS23071527-06	WG-1620-MW67B-20230724	24 Jul 2023 07:45		07 Aug 2023 08:00	07 Aug 2023 18:20	1
HS23071527-07	WG-1620-MW48C-20230724	24 Jul 2023 08:45		07 Aug 2023 08:00	07 Aug 2023 18:52	1
HS23071527-08	WG-1620-FD06-20230724	24 Jul 2023 08:45		07 Aug 2023 08:00	07 Aug 2023 18:54	1
HS23071527-09	WG-1620-MW36B-20230724	24 Jul 2023 09:45		07 Aug 2023 08:00	07 Aug 2023 18:56	1
HS23071527-10	WG-1620-MW34CR-20230724	24 Jul 2023 10:35		07 Aug 2023 08:00	07 Aug 2023 18:58	1
HS23071527-11	WG-1620-MW44A-20230724	24 Jul 2023 11:25		07 Aug 2023 08:00	07 Aug 2023 19:00	1
HS23071527-12	WG-1620-MW45C-20230724	24 Jul 2023 12:15		07 Aug 2023 08:00	07 Aug 2023 19:02	1
HS23071527-13	WG-1620-MW74B-20230724	24 Jul 2023 13:20		07 Aug 2023 08:00	07 Aug 2023 19:04	1
HS23071527-14	WG-1620-MW75B-20230724	24 Jul 2023 14:20		07 Aug 2023 08:00	07 Aug 2023 19:10	1
HS23071527-15	WG-1620-MW49A-20230724	24 Jul 2023 15:15		07 Aug 2023 08:00	07 Aug 2023 19:12	1
HS23071527-17	WG-1620-MW49B-20230724	24 Jul 2023 16:10		07 Aug 2023 08:00	07 Aug 2023 19:16	1
Batch ID: 198624 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS23071527-01	WG-1620-FB09-20230720	20 Jul 2023 18:15		07 Aug 2023 08:00	07 Aug 2023 18:32	1
HS23071527-16	WG-1620-FB10-20230724	24 Jul 2023 17:25		07 Aug 2023 08:00	07 Aug 2023 19:14	1
Batch ID: R442461 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071527-02	WG-1620-MW96B-20230721	21 Jul 2023 07:35			27 Jul 2023 09:18	1
Batch ID: R442461 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS23071527-01	WG-1620-FB09-20230720	20 Jul 2023 18:15			27 Jul 2023 03:42	1
Batch ID: R442568 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS23071527-16	WG-1620-FB10-20230724	24 Jul 2023 17:25			28 Jul 2023 02:09	1

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R442568 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071527-03	WG-1620-MW95A-20230721	21 Jul 2023 08:35			28 Jul 2023 04:15	1
HS23071527-04	WG-1620-MW99C-20230721	21 Jul 2023 09:45			28 Jul 2023 04:36	1
HS23071527-05	WG-1620-MW54B-20230721	21 Jul 2023 10:40			28 Jul 2023 04:57	1
HS23071527-06	WG-1620-MW67B-20230724	24 Jul 2023 07:45			28 Jul 2023 03:12	1
HS23071527-07	WG-1620-MW48C-20230724	24 Jul 2023 08:45			28 Jul 2023 05:18	1
HS23071527-08	WG-1620-FD06-20230724	24 Jul 2023 08:45			28 Jul 2023 05:39	1
HS23071527-09	WG-1620-MW36B-20230724	24 Jul 2023 09:45			28 Jul 2023 06:00	1
HS23071527-10	WG-1620-MW34CR-20230724	24 Jul 2023 10:35			28 Jul 2023 06:21	1
HS23071527-11	WG-1620-MW44A-20230724	24 Jul 2023 11:25			28 Jul 2023 06:42	1
HS23071527-12	WG-1620-MW45C-20230724	24 Jul 2023 12:15			28 Jul 2023 07:04	1
HS23071527-13	WG-1620-MW74B-20230724	24 Jul 2023 13:20			28 Jul 2023 07:25	1
HS23071527-14	WG-1620-MW75B-20230724	24 Jul 2023 14:20			28 Jul 2023 07:46	1
HS23071527-15	WG-1620-MW49A-20230724	24 Jul 2023 15:15			28 Jul 2023 08:07	1
HS23071527-17	WG-1620-MW49B-20230724	24 Jul 2023 16:10			28 Jul 2023 08:28	10
Batch ID: R442691 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071527-14	WG-1620-MW75B-20230724	24 Jul 2023 14:20			28 Jul 2023 14:13	10
HS23071527-15	WG-1620-MW49A-20230724	24 Jul 2023 15:15			28 Jul 2023 14:34	10

Revision: 1

WorkOrder: HS23071527
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	0.00137	0.000400	0.00200

Revision:1

WorkOrder: HS23071527
InstrumentID: SV-10
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000082	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	0.000064	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000082	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000090	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000079	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00039	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000078	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.000070	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.000075	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.000073	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.000077	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.000080	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000098	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.000079	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000088	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.000071	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.000093	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.000079	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000086	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.000084	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.00011	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000028	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00010	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000098	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.000092	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: HS23071527
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	0.0010
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	Di-n-butyl phthalate	84-74-2	0.00010	0.000079	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.000037	0.000020	0.00010
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	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000069	0.000025	0.00020
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	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: HS23071527
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	0.00058	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00050	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00053	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00038	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.0013	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00045	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0011	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Revision:1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: 198624 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-198624** Units: **mg/L** Analysis Date: **07-Aug-2023 18:16**
Client ID: Run ID: **ICPMS06_443338** SeqNo: **7477037** PrepDate: **07-Aug-2023** 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-198624** Units: **mg/L** Analysis Date: **07-Aug-2023 18:18**
Client ID: Run ID: **ICPMS06_443338** SeqNo: **7477038** PrepDate: **07-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05097	0.00200	0.05	0	102	80 - 120				

MS Sample ID: **HS23071527-06MS** Units: **mg/L** Analysis Date: **07-Aug-2023 18:24**
Client ID: **WG-1620-MW67B-20230724** Run ID: **ICPMS06_443338** SeqNo: **7477041** PrepDate: **07-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04944	0.00200	0.05	0.001063	96.7	80 - 120				

MSD Sample ID: **HS23071527-06MSD** Units: **mg/L** Analysis Date: **07-Aug-2023 18:26**
Client ID: **WG-1620-MW67B-20230724** Run ID: **ICPMS06_443338** SeqNo: **7477042** PrepDate: **07-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05009	0.00200	0.05	0.001063	98.1	80 - 120	0.04944	1.31	20	

PDS Sample ID: **HS23071527-06PDS** Units: **mg/L** Analysis Date: **07-Aug-2023 18:28**
Client ID: **WG-1620-MW67B-20230724** Run ID: **ICPMS06_443338** SeqNo: **7477043** PrepDate: **07-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09932	0.00200	0.1	0.001063	98.3	75 - 125				

SD Sample ID: **HS23071527-06SD** Units: **mg/L** Analysis Date: **07-Aug-2023 18:22**
Client ID: **WG-1620-MW67B-20230724** Run ID: **ICPMS06_443338** SeqNo: **7477040** PrepDate: **07-Aug-2023** 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					0.001063	0	10	

The following samples were analyzed in this batch:

HS23071527-01	HS23071527-02	HS23071527-03	HS23071527-04
HS23071527-05	HS23071527-06	HS23071527-07	HS23071527-08
HS23071527-09	HS23071527-10	HS23071527-11	HS23071527-12
HS23071527-13	HS23071527-14	HS23071527-15	HS23071527-16
HS23071527-17			

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: 198183 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-198183** Units: **ug/L** Analysis Date: **31-Jul-2023 22:48**
Client ID: Run ID: **SV-7_442866** SeqNo: **7464075** PrepDate: **27-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*2.628*	*0.20*	*5*	*0*	*52.6*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.172*	*0.20*	*5*	*0*	*63.4*	*40 - 125*				
Surr: 2-Fluorophenol	*2.739*	*0.20*	*5*	*0*	*54.8*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.886*	*0.20*	*5*	*0*	*77.7*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.851*	*0.20*	*5*	*0*	*57.0*	*41 - 120*				
Surr: Phenol-d6	*2.661*	*0.20*	*5*	*0*	*53.2*	*20 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: 198183 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-198183** Units: **ug/L** Analysis Date: **31-Jul-2023 23:10**
Client ID: Run ID: **SV-7_442866** SeqNo: **7464076** PrepDate: **27-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
1,2-Diphenylhydrazine	4.787	0.20	5	0	95.7	39 - 127			
2,4-Dimethylphenol	3.692	0.20	5	0	73.8	35 - 120			
2,4-Dinitrotoluene	4.553	0.20	5	0	91.1	50 - 122			
2,6-Dinitrotoluene	4.348	0.20	5	0	87.0	50 - 120			
2-Chloronaphthalene	4.032	0.20	5	0	80.6	50 - 120			
2-Methylnaphthalene	3.988	0.10	5	0	79.8	50 - 120			
4,6-Dinitro-2-methylphenol	2.512	1.0	5	0	50.2	25 - 121			
4-Nitrophenol	3.053	1.0	5	0	61.1	30 - 130			
Acenaphthene	3.765	0.10	5	0	75.3	45 - 120			
Acenaphthylene	4	0.10	5	0	80.0	47 - 120			
Anthracene	4.33	0.10	5	0	86.6	45 - 120			
Benz(a)anthracene	4.506	0.10	5	0	90.1	40 - 120			
Benzo(a)pyrene	5.009	0.10	5	0	100	45 - 120			
Bis(2-chloroethoxy)methane	4.122	0.20	5	0	82.4	45 - 120			
Bis(2-ethylhexyl)phthalate	4.525	0.20	5	0	90.5	40 - 139			
Chrysene	4.517	0.10	5	0	90.3	43 - 120			
Dibenzofuran	4.164	0.10	5	0	83.3	50 - 120			
Di-n-butyl phthalate	4.9	0.20	5	0	98.0	45 - 123			
Fluoranthene	4.601	0.10	5	0	92.0	45 - 125			
Fluorene	4.142	0.10	5	0	82.8	49 - 120			
Naphthalene	3.845	0.10	5	0	76.9	45 - 120			
Nitrobenzene	4.01	0.20	5	0	80.2	44 - 120			
N-Nitrosodiphenylamine	4.381	0.20	5	0	87.6	40 - 125			
Pentachlorophenol	4.395	0.20	5	0	87.9	19 - 121			
Phenanthrene	4.387	0.10	5	0	87.7	45 - 121			
Phenol	4.74	0.20	5	0	94.8	20 - 124			
Pyrene	4.31	0.10	5	0	86.2	40 - 130			
Surr: 2,4,6-Tribromophenol	*3.798*	*0.20*	*5*	*0*	*76.0*	*34 - 129*			
Surr: 2-Fluorobiphenyl	*3.907*	*0.20*	*5*	*0*	*78.1*	*40 - 125*			
Surr: 2-Fluorophenol	*3.371*	*0.20*	*5*	*0*	*67.4*	*20 - 120*			
Surr: 4-Terphenyl-d14	*4.73*	*0.20*	*5*	*0*	*94.6*	*40 - 135*			
Surr: Nitrobenzene-d5	*4.141*	*0.20*	*5*	*0*	*82.8*	*41 - 120*			
Surr: Phenol-d6	*3.918*	*0.20*	*5*	*0*	*78.4*	*20 - 120*			

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: 198183 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-198183** Units: **ug/L** Analysis Date: **31-Jul-2023 23:31**
Client ID: Run ID: **SV-7_442866** SeqNo: **7464077** PrepDate: **27-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.843	0.20	5	0	96.9	39 - 127	4.787	1.15	20	
2,4-Dimethylphenol	3.613	0.20	5	0	72.3	35 - 120	3.692	2.16	20	
2,4-Dinitrotoluene	4.878	0.20	5	0	97.6	50 - 122	4.553	6.89	20	
2,6-Dinitrotoluene	4.36	0.20	5	0	87.2	50 - 120	4.348	0.289	20	
2-Chloronaphthalene	4.256	0.20	5	0	85.1	50 - 120	4.032	5.41	20	
2-Methylnaphthalene	4.009	0.10	5	0	80.2	50 - 120	3.988	0.518	20	
4,6-Dinitro-2-methylphenol	3.538	1.0	5	0	70.8	25 - 121	2.512	33.9	30	R
4-Nitrophenol	3.226	1.0	5	0	64.5	30 - 130	3.053	5.51	20	
Acenaphthene	3.912	0.10	5	0	78.2	45 - 120	3.765	3.83	20	
Acenaphthylene	4.068	0.10	5	0	81.4	47 - 120	4	1.66	20	
Anthracene	4.44	0.10	5	0	88.8	45 - 120	4.33	2.49	20	
Benz(a)anthracene	4.72	0.10	5	0	94.4	40 - 120	4.506	4.63	20	
Benzo(a)pyrene	5.221	0.10	5	0	104	45 - 120	5.009	4.15	20	
Bis(2-chloroethoxy)methane	4.239	0.20	5	0	84.8	45 - 120	4.122	2.81	20	
Bis(2-ethylhexyl)phthalate	4.674	0.20	5	0	93.5	40 - 139	4.525	3.25	20	
Chrysene	4.759	0.10	5	0	95.2	43 - 120	4.517	5.21	20	
Dibenzofuran	4.233	0.10	5	0	84.7	50 - 120	4.164	1.64	20	
Di-n-butyl phthalate	4.967	0.20	5	0	99.3	45 - 123	4.9	1.37	20	
Fluoranthene	4.75	0.10	5	0	95.0	45 - 125	4.601	3.2	20	
Fluorene	4.288	0.10	5	0	85.8	49 - 120	4.142	3.46	20	
Naphthalene	3.725	0.10	5	0	74.5	45 - 120	3.845	3.16	20	
Nitrobenzene	3.948	0.20	5	0	79.0	44 - 120	4.01	1.57	20	
N-Nitrosodiphenylamine	4.476	0.20	5	0	89.5	40 - 125	4.381	2.13	20	
Pentachlorophenol	5.714	0.20	5	0	114	19 - 121	4.395	26.1	20	R
Phenanthrene	4.422	0.10	5	0	88.4	45 - 121	4.387	0.8	20	
Phenol	2.998	0.20	5	0	60.0	20 - 124	4.74	45	20	R
Pyrene	4.406	0.10	5	0	88.1	40 - 130	4.31	2.18	20	
Surr: 2,4,6-Tribromophenol	*4.085*	*0.20*	*5*	*0*	*81.7*	*34 - 129*	*3.798*	*7.3*	*20*	
Surr: 2-Fluorobiphenyl	*3.928*	*0.20*	*5*	*0*	*78.6*	*40 - 125*	*3.907*	*0.536*	*20*	
Surr: 2-Fluorophenol	*2.904*	*0.20*	*5*	*0*	*58.1*	*20 - 120*	*3.371*	*14.9*	*20*	
Surr: 4-Terphenyl-d14	*4.795*	*0.20*	*5*	*0*	*95.9*	*40 - 135*	*4.73*	*1.36*	*20*	
Surr: Nitrobenzene-d5	*3.997*	*0.20*	*5*	*0*	*79.9*	*41 - 120*	*4.141*	*3.52*	*20*	
Surr: Phenol-d6	*3.345*	*0.20*	*5*	*0*	*66.9*	*20 - 120*	*3.918*	*15.8*	*20*	

The following samples were analyzed in this batch: HS23071527-01

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: 198244 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-198244** Units: **ug/L** Analysis Date: **04-Aug-2023 13:48**
Client ID: Run ID: **SV-8_443308** SeqNo: **7489500** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.316*	*0.20*	*5*	*0*	*66.3*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.673*	*0.20*	*5*	*0*	*73.5*	*40 - 125*				
Surr: 2-Fluorophenol	*2.861*	*0.20*	*5*	*0*	*57.2*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.326*	*0.20*	*5*	*0*	*86.5*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.868*	*0.20*	*5*	*0*	*57.4*	*41 - 120*				
Surr: Phenol-d6	*2.979*	*0.20*	*5*	*0*	*59.6*	*20 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: 198244 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-198244** Units: **ug/L** Analysis Date: **04-Aug-2023 14:11**
Client ID: Run ID: **SV-8_443308** SeqNo: **7489501** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.377	0.20	5	0	67.5	39 - 127				
2,4-Dimethylphenol	3.206	0.20	5	0	64.1	35 - 120				
2,4-Dinitrotoluene	3.777	0.20	5	0	75.5	50 - 122				
2,6-Dinitrotoluene	3.753	0.20	5	0	75.1	50 - 120				
2-Chloronaphthalene	3.83	0.20	5	0	76.6	50 - 120				
2-Methylnaphthalene	3.44	0.10	5	0	68.8	50 - 120				
4,6-Dinitro-2-methylphenol	4.129	1.0	5	0	82.6	25 - 121				
4-Nitrophenol	3.175	1.0	5	0	63.5	30 - 130				
Acenaphthene	3.18	0.10	5	0	63.6	45 - 120				
Acenaphthylene	3.339	0.10	5	0	66.8	47 - 120				
Anthracene	3.494	0.10	5	0	69.9	45 - 120				
Benz(a)anthracene	3.699	0.10	5	0	74.0	40 - 120				
Benzo(a)pyrene	3.962	0.10	5	0	79.2	45 - 120				
Bis(2-chloroethoxy)methane	2.594	0.20	5	0	51.9	45 - 120				
Bis(2-ethylhexyl)phthalate	4.156	0.20	5	0	83.1	40 - 139				
Chrysene	3.626	0.10	5	0	72.5	43 - 120				
Dibenzofuran	3.444	0.10	5	0	68.9	50 - 120				
Di-n-butyl phthalate	3.727	0.20	5	0	74.5	45 - 123				
Fluoranthene	3.307	0.10	5	0	66.1	45 - 125				
Fluorene	3.53	0.10	5	0	70.6	49 - 120				
Naphthalene	3.255	0.10	5	0	65.1	45 - 120				
Nitrobenzene	2.912	0.20	5	0	58.2	44 - 120				
N-Nitrosodiphenylamine	3.605	0.20	5	0	72.1	40 - 125				
Pentachlorophenol	3.75	0.20	5	0	75.0	19 - 121				
Phenanthrene	3.392	0.10	5	0	67.8	45 - 121				
Phenol	3.056	0.20	5	0	61.1	20 - 124				
Pyrene	3.729	0.10	5	0	74.6	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.406*	*0.20*	*5*	*0*	*68.1*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.479*	*0.20*	*5*	*0*	*69.6*	*40 - 125*				
Surr: 2-Fluorophenol	*2.621*	*0.20*	*5*	*0*	*52.4*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.899*	*0.20*	*5*	*0*	*78.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.006*	*0.20*	*5*	*0*	*60.1*	*41 - 120*				
Surr: Phenol-d6	*2.738*	*0.20*	*5*	*0*	*54.8*	*20 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: 198244 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS23071527-06MS** Units: **ug/L** Analysis Date: **04-Aug-2023 14:58**
Client ID: **WG-1620-MW67B-20230724** Run ID: **SV-8_443308** SeqNo: **7489503** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	2.669	0.20	5	0	53.4	39 - 127				
2,4-Dimethylphenol	2.207	0.20	5	0	44.1	35 - 120				
2,4-Dinitrotoluene	3.861	0.20	5	0	77.2	50 - 122				
2,6-Dinitrotoluene	3.213	0.20	5	0	64.3	50 - 120				
2-Chloronaphthalene	2.489	0.20	5	0	49.8	50 - 120				S
2-Methylnaphthalene	2.317	0.10	5	0	46.3	50 - 120				S
4,6-Dinitro-2-methylphenol	4.402	1.0	5	0	88.0	25 - 121				
4-Nitrophenol	3.638	1.0	5	0	72.8	30 - 130				
Acenaphthene	2.248	0.10	5	0	45.0	45 - 120				S
Acenaphthylene	2.413	0.10	5	0	48.3	47 - 120				
Anthracene	3.568	0.10	5	0	71.4	45 - 120				
Benz(a)anthracene	4.214	0.10	5	0	84.3	40 - 120				
Benzo(a)pyrene	4.466	0.10	5	0	89.3	45 - 120				
Bis(2-chloroethoxy)methane	1.962	0.20	5	0	39.2	45 - 120				S
Bis(2-ethylhexyl)phthalate	4.642	0.20	5	0	92.8	40 - 139				
Chrysene	4.169	0.10	5	0	83.4	43 - 120				
Dibenzofuran	2.616	0.10	5	0	52.3	50 - 120				
Di-n-butyl phthalate	4.04	0.20	5	0	80.8	45 - 123				
Fluoranthene	3.679	0.10	5	0	73.6	45 - 125				
Fluorene	2.849	0.10	5	0	57.0	49 - 120				
Naphthalene	2.226	0.10	5	0.05773	43.4	45 - 120				S
Nitrobenzene	1.944	0.20	5	0	38.9	44 - 120				S
N-Nitrosodiphenylamine	3.401	0.20	5	0	68.0	40 - 125				
Pentachlorophenol	4.263	0.20	5	0	85.3	19 - 121				
Phenanthrene	3.516	0.10	5	0	70.3	45 - 121				
Phenol	2.101	0.20	5	0	42.0	20 - 124				
Pyrene	4.233	0.10	5	0	84.7	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.421*	*0.20*	*5*	*0*	*68.4*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*2.354*	*0.20*	*5*	*0*	*47.1*	*40 - 125*				
Surr: 2-Fluorophenol	*1.814*	*0.20*	*5*	*0*	*36.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.497*	*0.20*	*5*	*0*	*89.9*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.062*	*0.20*	*5*	*0*	*41.2*	*41 - 120*				
Surr: Phenol-d6	*1.937*	*0.20*	*5*	*0*	*38.7*	*20 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: 198244 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS23071527-06MSD** Units: **ug/L** Analysis Date: **04-Aug-2023 15:22**
Client ID: **WG-1620-MW67B-20230724** Run ID: **SV-8_443308** SeqNo: **7489504** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	2.971	0.20	5	0	59.4	39 - 127	2.669	10.7	20	
2,4-Dimethylphenol	2.421	0.20	5	0	48.4	35 - 120	2.207	9.24	20	
2,4-Dinitrotoluene	4.034	0.20	5	0	80.7	50 - 122	3.861	4.38	20	
2,6-Dinitrotoluene	3.453	0.20	5	0	69.1	50 - 120	3.213	7.19	20	
2-Chloronaphthalene	2.771	0.20	5	0	55.4	50 - 120	2.489	10.7	20	
2-Methylnaphthalene	2.559	0.10	5	0	51.2	50 - 120	2.317	9.94	20	
4,6-Dinitro-2-methylphenol	4.703	1.0	5	0	94.1	25 - 121	4.402	6.61	30	
4-Nitrophenol	3.897	1.0	5	0	77.9	30 - 130	3.638	6.86	20	
Acenaphthene	2.48	0.10	5	0	49.6	45 - 120	2.248	9.81	20	
Acenaphthylene	2.644	0.10	5	0	52.9	47 - 120	2.413	9.14	20	
Anthracene	3.731	0.10	5	0	74.6	45 - 120	3.568	4.46	20	
Benz(a)anthracene	4.418	0.10	5	0	88.4	40 - 120	4.214	4.73	20	
Benzo(a)pyrene	4.781	0.10	5	0	95.6	45 - 120	4.466	6.82	20	
Bis(2-chloroethoxy)methane	2.123	0.20	5	0	42.5	45 - 120	1.962	7.91	20	S
Bis(2-ethylhexyl)phthalate	4.952	0.20	5	0	99.0	40 - 139	4.642	6.45	20	
Chrysene	4.452	0.10	5	0	89.0	43 - 120	4.169	6.57	20	
Dibenzofuran	2.768	0.10	5	0	55.4	50 - 120	2.616	5.64	20	
Di-n-butyl phthalate	4.357	0.20	5	0	87.1	45 - 123	4.04	7.56	20	
Fluoranthene	3.904	0.10	5	0	78.1	45 - 125	3.679	5.93	20	
Fluorene	2.965	0.10	5	0	59.3	49 - 120	2.849	3.99	20	
Naphthalene	2.447	0.10	5	0.05773	47.8	45 - 120	2.226	9.49	20	
Nitrobenzene	2.175	0.20	5	0	43.5	44 - 120	1.944	11.2	20	S
N-Nitrosodiphenylamine	3.53	0.20	5	0	70.6	40 - 125	3.401	3.71	20	
Pentachlorophenol	4.468	0.20	5	0	89.4	19 - 121	4.263	4.7	20	
Phenanthrene	3.659	0.10	5	0	73.2	45 - 121	3.516	4	20	
Phenol	2.237	0.20	5	0	44.7	20 - 124	2.101	6.25	20	
Pyrene	4.453	0.10	5	0	89.1	40 - 130	4.233	5.08	20	
Surr: 2,4,6-Tribromophenol	*3.648*	*0.20*	*5*	*0*	*73.0*	*34 - 129*	*3.421*	*6.43*	*20*	
Surr: 2-Fluorobiphenyl	*2.552*	*0.20*	*5*	*0*	*51.0*	*40 - 125*	*2.354*	*8.07*	*20*	
Surr: 2-Fluorophenol	*1.882*	*0.20*	*5*	*0*	*37.6*	*20 - 120*	*1.814*	*3.66*	*20*	
Surr: 4-Terphenyl-d14	*4.616*	*0.20*	*5*	*0*	*92.3*	*40 - 135*	*4.497*	*2.61*	*20*	
Surr: Nitrobenzene-d5	*2.235*	*0.20*	*5*	*0*	*44.7*	*41 - 120*	*2.062*	*8.04*	*20*	
Surr: Phenol-d6	*2.003*	*0.20*	*5*	*0*	*40.1*	*20 - 120*	*1.937*	*3.34*	*20*	

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: 198244 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS23071527-02	HS23071527-03	HS23071527-04	HS23071527-05
HS23071527-06	HS23071527-07	HS23071527-08	HS23071527-09
HS23071527-10	HS23071527-11	HS23071527-12	HS23071527-13
HS23071527-14	HS23071527-15	HS23071527-16	HS23071527-17

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: R442461 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230726** Units: **ug/L** Analysis Date: **27-Jul-2023 02:39**
Client ID: Run ID: **VOA11_442461** SeqNo: **7454484** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*57.24*	*1.0*	*50*	*0*	*114*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.66*	*1.0*	*50*	*0*	*99.3*	*77 - 113*				
Surr: Dibromofluoromethane	*51.1*	*1.0*	*50*	*0*	*102*	*73 - 126*				
Surr: Toluene-d8	*53.2*	*1.0*	*50*	*0*	*106*	*81 - 120*				

LCS Sample ID: **VLCSW-230726** Units: **ug/L** Analysis Date: **27-Jul-2023 01:57**
Client ID: Run ID: **VOA11_442461** SeqNo: **7454483** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	22.43	1.0	20	0	112	70 - 124				
Benzene	18.97	1.0	20	0	94.8	74 - 120				
Chlorobenzene	18.96	1.0	20	0	94.8	76 - 113				
Ethylbenzene	18.05	1.0	20	0	90.3	77 - 117				
Methylene chloride	20.11	2.0	20	0	101	70 - 127				
Toluene	20.11	1.0	20	0	101	77 - 118				
Xylenes, Total	55.71	3.0	60	0	92.9	75 - 122				
Surr: 1,2-Dichloroethane-d4	*56.15*	*1.0*	*50*	*0*	*112*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.1*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*50.97*	*1.0*	*50*	*0*	*102*	*73 - 126*				
Surr: Toluene-d8	*51.96*	*1.0*	*50*	*0*	*104*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: R442461 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23071416-01MS** Units: **ug/L** Analysis Date: **27-Jul-2023 04:24**
Client ID: Run ID: **VOA11_442461** SeqNo: **7454489** 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 - 127				
Benzene	15.55	1.0	20	0	77.7	70 - 127				
Chlorobenzene	16.8	1.0	20	0	84.0	70 - 114				
Ethylbenzene	15.69	1.0	20	0	78.4	70 - 124				
Methylene chloride	18.75	2.0	20	0	93.8	70 - 128				
Toluene	17.75	1.0	20	0	88.7	70 - 123				
Xylenes, Total	46.81	3.0	60	0	78.0	70 - 130				
Surr: 1,2-Dichloroethane-d4	*56.2*	*1.0*	*50*	*0*	*112*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.24*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*50.81*	*1.0*	*50*	*0*	*102*	*77 - 123*				
Surr: Toluene-d8	*51.92*	*1.0*	*50*	*0*	*104*	*82 - 127*				

MSD Sample ID: **HS23071416-01MSD** Units: **ug/L** Analysis Date: **27-Jul-2023 04:45**
Client ID: Run ID: **VOA11_442461** SeqNo: **7454490** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.53	1.0	20	0	92.6	70 - 127	18.23	1.59	20	
Benzene	16.02	1.0	20	0	80.1	70 - 127	15.55	2.99	20	
Chlorobenzene	16.08	1.0	20	0	80.4	70 - 114	16.8	4.37	20	
Ethylbenzene	15.36	1.0	20	0	76.8	70 - 124	15.69	2.13	20	
Methylene chloride	18.01	2.0	20	0	90.1	70 - 128	18.75	4.04	20	
Toluene	17.43	1.0	20	0	87.2	70 - 123	17.75	1.8	20	
Xylenes, Total	46.53	3.0	60	0	77.6	70 - 130	46.81	0.601	20	
Surr: 1,2-Dichloroethane-d4	*55.08*	*1.0*	*50*	*0*	*110*	*70 - 126*	*56.2*	*2.01*	*20*	
Surr: 4-Bromofluorobenzene	*51.98*	*1.0*	*50*	*0*	*104*	*77 - 113*	*50.24*	*3.41*	*20*	
Surr: Dibromofluoromethane	*51.95*	*1.0*	*50*	*0*	*104*	*77 - 123*	*50.81*	*2.21*	*20*	
Surr: Toluene-d8	*52.27*	*1.0*	*50*	*0*	*105*	*82 - 127*	*51.92*	*0.672*	*20*	

The following samples were analyzed in this batch: HS23071527-01 HS23071527-02

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: R442568 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230727** Units: **ug/L** Analysis Date: **28-Jul-2023 01:48**
Client ID: Run ID: **VOA11_442568** SeqNo: **7457205** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*52.42*	*1.0*	*50*	*0*	*105*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.17*	*1.0*	*50*	*0*	*96.3*	*77 - 113*				
Surr: Dibromofluoromethane	*46.54*	*1.0*	*50*	*0*	*93.1*	*73 - 126*				
Surr: Toluene-d8	*51.79*	*1.0*	*50*	*0*	*104*	*81 - 120*				

LCS Sample ID: **VLCSW-230727** Units: **ug/L** Analysis Date: **28-Jul-2023 01:06**
Client ID: Run ID: **VOA11_442568** SeqNo: **7457204** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	22.47	1.0	20	0	112	70 - 124				
Benzene	19.83	1.0	20	0	99.1	74 - 120				
Chlorobenzene	18.58	1.0	20	0	92.9	76 - 113				
Ethylbenzene	18.96	1.0	20	0	94.8	77 - 117				
Methylene chloride	20.3	2.0	20	0	101	70 - 127				
Toluene	19.43	1.0	20	0	97.1	77 - 118				
Xylenes, Total	54.82	3.0	60	0	91.4	75 - 122				
Surr: 1,2-Dichloroethane-d4	*49.6*	*1.0*	*50*	*0*	*99.2*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.04*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*48.03*	*1.0*	*50*	*0*	*96.1*	*73 - 126*				
Surr: Toluene-d8	*50.71*	*1.0*	*50*	*0*	*101*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: R442568 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS23071527-06MS** Units: **ug/L** Analysis Date: **28-Jul-2023 03:33**
Client ID: **WG-1620-MW67B-20230724** Run ID: **VOA11_442568** SeqNo: **7457210** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.39	1.0	20	0	91.9	70 - 127				
Benzene	16.72	1.0	20	0	83.6	70 - 127				
Chlorobenzene	16.24	1.0	20	0	81.2	70 - 114				
Ethylbenzene	16.53	1.0	20	0	82.6	70 - 124				
Methylene chloride	16.62	2.0	20	0	83.1	70 - 128				
Toluene	17.5	1.0	20	0	87.5	70 - 123				
Xylenes, Total	48.53	3.0	60	0	80.9	70 - 130				
Surr: 1,2-Dichloroethane-d4	*51.06*	*1.0*	*50*	*0*	*102*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.74*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*48.9*	*1.0*	*50*	*0*	*97.8*	*77 - 123*				
Surr: Toluene-d8	*51.16*	*1.0*	*50*	*0*	*102*	*82 - 127*				

MSD Sample ID: **HS23071527-06MSD** Units: **ug/L** Analysis Date: **28-Jul-2023 03:54**
Client ID: **WG-1620-MW67B-20230724** Run ID: **VOA11_442568** SeqNo: **7457211** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	16.48	1.0	20	0	82.4	70 - 127	18.39	10.9	20	
Benzene	15.34	1.0	20	0	76.7	70 - 127	16.72	8.6	20	
Chlorobenzene	15.22	1.0	20	0	76.1	70 - 114	16.24	6.47	20	
Ethylbenzene	15	1.0	20	0	75.0	70 - 124	16.53	9.7	20	
Methylene chloride	15.81	2.0	20	0	79.1	70 - 128	16.62	5.01	20	
Toluene	15.67	1.0	20	0	78.4	70 - 123	17.5	11	20	
Xylenes, Total	44.6	3.0	60	0	74.3	70 - 130	48.53	8.45	20	
Surr: 1,2-Dichloroethane-d4	*51.32*	*1.0*	*50*	*0*	*103*	*70 - 126*	*51.06*	*0.508*	*20*	
Surr: 4-Bromofluorobenzene	*49.53*	*1.0*	*50*	*0*	*99.1*	*77 - 113*	*50.74*	*2.41*	*20*	
Surr: Dibromofluoromethane	*47.84*	*1.0*	*50*	*0*	*95.7*	*77 - 123*	*48.9*	*2.2*	*20*	
Surr: Toluene-d8	*49.22*	*1.0*	*50*	*0*	*98.4*	*82 - 127*	*51.16*	*3.86*	*20*	

The following samples were analyzed in this batch:

HS23071527-03	HS23071527-04	HS23071527-05	HS23071527-06
HS23071527-07	HS23071527-08	HS23071527-09	HS23071527-10
HS23071527-11	HS23071527-12	HS23071527-13	HS23071527-14
HS23071527-15	HS23071527-16	HS23071527-17	

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: R442691 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230728** Units: **ug/L** Analysis Date: **28-Jul-2023 12:07**
Client ID: Run ID: **VOA11_442691** SeqNo: **7459826** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Toluene	< 0.20	1.0								
Surr: 1,2-Dichloroethane-d4	*48.87*	*1.0*	*50*	*0*	*97.7*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.98*	*1.0*	*50*	*0*	*100.0*	*77 - 113*				
Surr: Dibromofluoromethane	*45.89*	*1.0*	*50*	*0*	*91.8*	*73 - 126*				
Surr: Toluene-d8	*51.26*	*1.0*	*50*	*0*	*103*	*81 - 120*				

LCS Sample ID: **VLCSW-230728** Units: **ug/L** Analysis Date: **28-Jul-2023 11:25**
Client ID: Run ID: **VOA11_442691** SeqNo: **7459825** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Toluene	19.28	1.0	20	0	96.4	77 - 118				
Surr: 1,2-Dichloroethane-d4	*48.29*	*1.0*	*50*	*0*	*96.6*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*52.54*	*1.0*	*50*	*0*	*105*	*77 - 113*				
Surr: Dibromofluoromethane	*47.29*	*1.0*	*50*	*0*	*94.6*	*73 - 126*				
Surr: Toluene-d8	*51.66*	*1.0*	*50*	*0*	*103*	*81 - 120*				

MS Sample ID: **HS23071783-01MS** Units: **ug/L** Analysis Date: **28-Jul-2023 12:49**
Client ID: Run ID: **VOA11_442691** SeqNo: **7459828** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Toluene	16.49	1.0	20	0	82.5	70 - 123				
Surr: 1,2-Dichloroethane-d4	*47.46*	*1.0*	*50*	*0*	*94.9*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.84*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*46.94*	*1.0*	*50*	*0*	*93.9*	*77 - 123*				
Surr: Toluene-d8	*51.92*	*1.0*	*50*	*0*	*104*	*82 - 127*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071527

QC BATCH REPORT

Batch ID: R442691 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS23071783-01MSD** Units: **ug/L** Analysis Date: **28-Jul-2023 13:10**
Client ID: Run ID: **VOA11_442691** SeqNo: **7459829** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Toluene	16.75	1.0	20	0	83.7	70 - 123	16.49	1.53	20	
Surr: 1,2-Dichloroethane-d4	*49.21*	*1.0*	*50*	*0*	*98.4*	*70 - 126*	*47.46*	*3.63*	*20*	
Surr: 4-Bromofluorobenzene	*50.89*	*1.0*	*50*	*0*	*102*	*77 - 113*	*50.84*	*0.0962*	*20*	
Surr: Dibromofluoromethane	*47.78*	*1.0*	*50*	*0*	*95.6*	*77 - 123*	*46.94*	*1.78*	*20*	
Surr: Toluene-d8	*50.57*	*1.0*	*50*	*0*	*101*	*82 - 127*	*51.92*	*2.62*	*20*	

The following samples were analyzed in this batch: HS23071527-14 HS23071527-15

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: **HS23071527**

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	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23071527 **Date/Time Received:** **25-Jul-2023 11:15**

Client Name: PBW **Received by:** **Si Ma**

Completed By:	/S/ Corey Grandits	25-Jul-2023 16:57	**Reviewed by:**	/S/ James Guin	27-Jul-2023 08:31
	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:295427 , 295426
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):	3.0UC/2.9C , 1.5UC/1.4C , 2.6UC/2.5C , 1.3UC/1.2C	IR31
Cooler(s)/Kit(s):	50711 , 51018 , 50690 , 51006	
Date/Time sample(s) sent to storage:	7/25/23	

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-MW49B-20230724 was not received. Sample WG-1620-MW49A-20230724 collected 7/24/23 at 17:00 was received (not listed on COC). Sample was logged in for analysis.

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: 295427

HS23071527 WV

WSP Golder
Houston TX-Wood Preserving Works 1620-02

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	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	Michelle_Hermiston@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-FB09-20230720	7-20-23	1815	GW		6	X	X	X								
2	WG-1620-MW96B-20230721	7-21-23	0735	GW		6	X	X	X								
3	WG-1620-MW95A-20230721		0835	GW		6	X	X	X								
4	WG-1620-MW99C-20230721		0945	GW		6	X	X	X								
5	WG-1620-MW54B-20230721		1040	GW		6	X	X	X								
6	WG-1620-MW67B-20230724	7-24-23	0745	GW		12	X	X	X		X						
7	WG-1620-MW48C-20230724		0845	GW		6	X	X	X								
8	WG-1620-FD06-20230724		0845	GW		6	X	X	X								
9	WG-1620-MW36B-20230724		0945	GW		6	X	X	X								
10	WG-1620-MW34CR-20230724		1035	GW		6	X	X	X								

Sampler(s) Please Print & Sign: JOHN BRAYTON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date: 7-25-23	Time: 1115	Received by:	Notes: Houston TX-Wood Preserving Works 1620-02	
Relinquished by:	Date:	Time:	Received by (Laboratory): SM 07/25/23 11:15	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	50711	3.0
				51018	1.5
				50690	2.6
				51006	1.3

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Date
☐ 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

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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Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody Form

COC ID: 295426

HS23071527

WSP Golder

Houston TX-Wood Preserving Works 1620-02

, WV

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_W As)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@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-MW44A-20230724	7-24-23	1125	GW		6	X	X	X								
2	WG-1620-MW45C-20230724		1215	GW		6	X	X	X								
3	WG-1620-MW74B-20230724		1320	GW		6	X	X	X								
4	WG-1620-MW75B-20230724		1420	GW		6	X	X	X								
5	WG-1620-MW49A-20230724		1515	GW		6	X	X	X								
6	WG-1620-MW49B-20230724		1610	GW		6	X	X	X								
7	WG-1620-FB10-20230724		1725	GW		6	X	X	X								
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOHN BRANDON

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) ☐ Other ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hou

Results Due Date:

Relinquished by:	Date: 7-25-23	Time: 1115	Received by:	Notes: Houston TX-Wood Preserving Works 1620-02
Relinquished by:	Date:	Time:	Received by (Laboratory): SM 07/25/23 11:15	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)
		☐ Level II Std QC ☒ TRRP Checklist ☐ Level III Std QC/Raw Data ☐ TRRP Level IV ☐ Level IV SVM46/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

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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10450 Stancliff Rd. Suite 210
Houston, TX 77099
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August 29, 2023

Eric Matzner
WSP Golder
1601 S. MoPac Expressway
Suite 325D
Austin, TX 78746

Work Order: **HS23071331**

Laboratory Results for: **Houston TX-Wood Preserving Works 1620-02**

Dear Eric Matzner,

ALS Environmental received 17 sample(s) on Jul 20, 2023 for the analysis presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

Regards,

Generated By: JUMOKE.LAWAL

James Guin

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Houston TX-Wood Preserving Works 1620-02	
WorkOrder:	**HS23071331**	

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.

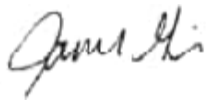
R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

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 1620-02	
WorkOrder:	**HS23071331**	

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.



James Guin

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/29/2023					
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071331					
Reviewer Name: James Guin			Prep Batch Number(s): 198033, 198033, 198122, 198395, R442448, R442461, R442566, R442568					
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?		X			2
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				3
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				4
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/29/2023				
Project Name: Houston TX-Wood Preserving Works 1620-02			Laboratory Job Number: HS23071331				
Reviewer Name: James Guin			Prep Batch Number(s): 198033, 198033, 198122, 198395, R442448, R442461, R442566, R442568				
#[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: 08/29/2023
Project Name: Houston TX-Wood Preserving Works 1620-02	Laboratory Job Number: HS23071331
Reviewer Name: James Guin	Prep Batch Number(s): 198033, 198033, 198122, 198395, R442448, R442461, R442566, R442568

ER#[5]	Description
1	Semivolatiles Method SW8270, samples WG-1620-FD04-20230718, WG-1620-MW68B-20230719, WG-1620-MW63B-20230719; the surrogate recoveries could not be determined due to dilution below the calibration range.
2	Batch 198033 Semivolatiles Method SW8270, LCS/LCSD provided as batch quality control in lieu of MS/MSD Batch 198033 Semivolatiles Method SW8270, LCS/LCSD provided as batch quality control in lieu of MS/MSD
3	This report was revised 08/29/23 to change sample id from WG-1620-MW90A-20230719 to the correct id WG-1620-MW90A-20230719 per client request. Login notes: Id Differ Chain = WG1620-MW-90A Labels = WG1620-MW-90B Logged per chain Date /Time Match
4	Batch 198122, Semivolatiles Method SW8270, samples were analyzed at 10X dilution due to sample matrix. Batch 198033, Semivolatiles Method SW8270, samples WG-1620-MW83C-20230718, WG-1620-MW83B-20230718, WG-1620-FD04-20230718: The GCMS semi-volatile extract of these samples was run at a dilution due to a high level of matrix interference. Batch 198122, Semivolatiles Method SW8270, samples WG-1620-MW68B-20230719, WG-1620-MW63B-20230719, The GCMS semi-volatile extract of these samples were run at a dilution due to a high level of matrix interference. Batch R442448, Volatiles Method SW8260, sample WG-1620-MW68A-20230719: Lowest possible dilution sample matrix.

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 1620-02
Work Order: HS23071331

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23071331-01	WG-1620-MW83C-20230718	GW		18-Jul-2023 14:25	20-Jul-2023 10:55	☐
HS23071331-02	WG-1620-MW83B-20230718	GW		18-Jul-2023 15:20	20-Jul-2023 10:55	☐
HS23071331-03	WG-1620-FD04-20230718	GW		18-Jul-2023 15:20	20-Jul-2023 10:55	☐
HS23071331-04	WG-1620-MW35B-20230718	GW		18-Jul-2023 16:15	20-Jul-2023 10:55	☐
HS23071331-05	WG-1620-MW35A-20230718	GW		18-Jul-2023 17:05	20-Jul-2023 10:55	☐
HS23071331-06	WG-1620-FB08-20230718	Water		18-Jul-2023 17:30	20-Jul-2023 10:55	☐
HS23071331-07	WG-1620-MW68A-20230719	GW		19-Jul-2023 07:45	20-Jul-2023 10:55	☐
HS23071331-08	WG-1620-MW68B-20230719	GW		19-Jul-2023 08:35	20-Jul-2023 10:55	☐
HS23071331-09	WG-1620-MW68C-20230719	GW		19-Jul-2023 09:25	20-Jul-2023 10:55	☐
HS23071331-10	WG-1620-MW84B-20230719	GW		19-Jul-2023 10:15	20-Jul-2023 10:55	☐
HS23071331-11	WG-1620-MW84A-20230719	GW		19-Jul-2023 12:25	20-Jul-2023 10:55	☐
HS23071331-12	WG-1620-MW90B-20230719	GW		19-Jul-2023 13:20	20-Jul-2023 10:55	☐
HS23071331-13	WG-1620-MW92B-20230719	GW		19-Jul-2023 14:15	20-Jul-2023 10:55	☐
HS23071331-14	WG-1620-MW63B-20230719	GW		19-Jul-2023 15:10	20-Jul-2023 10:55	☐
HS23071331-15	WG-1620-MW22AR-20230719	GW		19-Jul-2023 16:20	20-Jul-2023 10:55	☐
HS23071331-16	WG-1620-MW22BR-20230719	GW		19-Jul-2023 17:15	20-Jul-2023 10:55	☐
HS23071331-17	WG-1620-TB05-20230719	Water		19-Jul-2023 00:00	20-Jul-2023 10:55	☐

Revision:1

Client: WSP Golder **CASE NARRATIVE**
Project: Houston TX-Wood Preserving Works 1620-02
Work Order: HS23071331

Work Order Comments

- This report was revised 08/29/23 to change sample id from WG-1620-MW90A-20230719 to the correct id WG-1620-MW90A-20230719 per client request.

Client: WSP Golder **ANALYTICAL REPORT**
Project: Houston TX-Wood Preserving Works 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW83C-20230718 Lab ID:HS23071331-01
Collection Date: 18-Jul-2023 14:25 Matrix:GW

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	26-Jul-2023 17:53
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 17:53
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 17:53
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 17:53
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 17:53
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 17:53
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 17:53
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*1*	*26-Jul-2023 17:53*
Surr: 4-Bromofluorobenzene	*94.5*			*77-113*	*%REC*	*1*	*26-Jul-2023 17:53*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*26-Jul-2023 17:53*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*26-Jul-2023 17:53*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW83C-20230718
Collection Date: 18-Jul-2023 14:25

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-01
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	02-Aug-2023 17:04
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	02-Aug-2023 17:04
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	02-Aug-2023 17:04
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	02-Aug-2023 17:04
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	02-Aug-2023 17:04
2-Methylnaphthalene	**0.00054**	J	**0.00019**	**0.0010**	**mg/L**	10	02-Aug-2023 17:04
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	02-Aug-2023 17:04
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	02-Aug-2023 17:04
Acenaphthene	**0.00057**	J	**0.00027**	**0.0010**	**mg/L**	10	02-Aug-2023 17:04
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	02-Aug-2023 17:04
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	02-Aug-2023 17:04
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	02-Aug-2023 17:04
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	02-Aug-2023 17:04
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	02-Aug-2023 17:04
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	02-Aug-2023 17:04
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	02-Aug-2023 17:04
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	02-Aug-2023 17:04
Dibenzofuran	**0.00071**	J	**0.00020**	**0.0010**	**mg/L**	10	02-Aug-2023 17:04
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	02-Aug-2023 17:04
Fluorene	**0.00043**	J	**0.00030**	**0.0010**	**mg/L**	10	02-Aug-2023 17:04
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	02-Aug-2023 17:04
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	02-Aug-2023 17:04
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	02-Aug-2023 17:04
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	02-Aug-2023 17:04
Phenanthrene	**0.00077**	J	**0.00021**	**0.0010**	**mg/L**	10	02-Aug-2023 17:04
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	02-Aug-2023 17:04
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	02-Aug-2023 17:04
Surr: 2,4,6-Tribromophenol	*70.0*			*34-129*	*%REC*	*10*	*02-Aug-2023 17:04*
Surr: 2-Fluorobiphenyl	*64.4*			*40-125*	*%REC*	*10*	*02-Aug-2023 17:04*
Surr: 2-Fluorophenol	*53.5*			*20-120*	*%REC*	*10*	*02-Aug-2023 17:04*
Surr: 4-Terphenyl-d14	*82.9*			*40-135*	*%REC*	*10*	*02-Aug-2023 17:04*
Surr: Nitrobenzene-d5	*51.3*			*41-120*	*%REC*	*10*	*02-Aug-2023 17:04*
Surr: Phenol-d6	*59.5*			*20-120*	*%REC*	*10*	*02-Aug-2023 17:04*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	02-Aug-2023 21:43

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW83B-20230718 Lab ID:HS23071331-02
Collection Date: 18-Jul-2023 15:20 Matrix:GW

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	26-Jul-2023 18:56
Benzene	**0.0024**		**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 18:56
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 18:56
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 18:56
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 18:56
Toluene	**0.00096**	J	**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 18:56
Xylenes, Total	**0.015**		**0.00030**	**0.0030**	**mg/L**	1	26-Jul-2023 18:56
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*26-Jul-2023 18:56*
Surr: 4-Bromofluorobenzene	*98.9*			*77-113*	*%REC*	*1*	*26-Jul-2023 18:56*
Surr: Dibromofluoromethane	*99.8*			*77-123*	*%REC*	*1*	*26-Jul-2023 18:56*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*26-Jul-2023 18:56*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW83B-20230718
Collection Date: 18-Jul-2023 15:20

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-02
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	02-Aug-2023 17:27
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	02-Aug-2023 17:27
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	02-Aug-2023 17:27
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	02-Aug-2023 17:27
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	02-Aug-2023 17:27
2-Methylnaphthalene	**0.013**		**0.00019**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	02-Aug-2023 17:27
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	02-Aug-2023 17:27
Acenaphthene	**0.011**		**0.00027**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	02-Aug-2023 17:27
Anthracene	**0.00044**	J	**0.00014**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	02-Aug-2023 17:27
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	02-Aug-2023 17:27
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	02-Aug-2023 17:27
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	02-Aug-2023 17:27
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	02-Aug-2023 17:27
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	02-Aug-2023 17:27
Dibenzofuran	**0.0047**		**0.00020**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
Fluoranthene	**0.00021**	J	**0.00010**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
Fluorene	**0.0040**		**0.00030**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	02-Aug-2023 17:27
Naphthalene	**0.034**		**0.00020**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	02-Aug-2023 17:27
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	02-Aug-2023 17:27
Phenanthrene	**0.0034**		**0.00021**	**0.0010**	**mg/L**	10	02-Aug-2023 17:27
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	02-Aug-2023 17:27
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	02-Aug-2023 17:27
Surr: 2,4,6-Tribromophenol	*82.9*			*34-129*	*%REC*	*10*	*02-Aug-2023 17:27*
Surr: 2-Fluorobiphenyl	*70.1*			*40-125*	*%REC*	*10*	*02-Aug-2023 17:27*
Surr: 2-Fluorophenol	*56.7*			*20-120*	*%REC*	*10*	*02-Aug-2023 17:27*
Surr: 4-Terphenyl-d14	*91.0*			*40-135*	*%REC*	*10*	*02-Aug-2023 17:27*
Surr: Nitrobenzene-d5	*55.1*			*41-120*	*%REC*	*10*	*02-Aug-2023 17:27*
Surr: Phenol-d6	*61.7*			*20-120*	*%REC*	*10*	*02-Aug-2023 17:27*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.0175**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:03

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-FD04-20230718 Lab ID:HS23071331-03
Collection Date: 18-Jul-2023 15:20 Matrix:GW

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	26-Jul-2023 19:17
Benzene	**0.0043**		**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 19:17
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 19:17
Ethylbenzene	**0.00067**	J	**0.00030**	**0.0010**	**mg/L**	1	26-Jul-2023 19:17
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 19:17
Toluene	**0.0013**		**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 19:17
Xylenes, Total	**0.024**		**0.00030**	**0.0030**	**mg/L**	1	26-Jul-2023 19:17
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*26-Jul-2023 19:17*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*26-Jul-2023 19:17*
Surr: Dibromofluoromethane	*98.3*			*77-123*	*%REC*	*1*	*26-Jul-2023 19:17*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*26-Jul-2023 19:17*

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-FD04-20230718 Lab ID:HS23071331-03
Collection Date: 18-Jul-2023 15:20 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	08-Aug-2023 14:49
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	08-Aug-2023 14:49
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	08-Aug-2023 14:49
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	08-Aug-2023 14:49
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	08-Aug-2023 14:49
2-Methylnaphthalene	**0.043**		**0.00019**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	08-Aug-2023 14:49
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	08-Aug-2023 14:49
Acenaphthene	**0.037**		**0.00027**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	08-Aug-2023 14:49
Anthracene	**0.0018**		**0.00014**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	08-Aug-2023 14:49
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	08-Aug-2023 14:49
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	08-Aug-2023 14:49
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	08-Aug-2023 14:49
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	08-Aug-2023 14:49
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	08-Aug-2023 14:49
Dibenzofuran	**0.015**		**0.00020**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
Fluoranthene	**0.0011**		**0.00010**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
Fluorene	**0.012**		**0.00030**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	08-Aug-2023 14:49
Naphthalene	**0.34**		**0.0020**	**0.010**	**mg/L**	100	09-Aug-2023 13:09
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	08-Aug-2023 14:49
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	08-Aug-2023 14:49
Phenanthrene	**0.011**		**0.00021**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	08-Aug-2023 14:49
Pyrene	**0.00073**	J	**0.00019**	**0.0010**	**mg/L**	10	08-Aug-2023 14:49
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*09-Aug-2023 13:09*
Surr: 2,4,6-Tribromophenol	*68.1*			*34-129*	*%REC*	*10*	*08-Aug-2023 14:49*
Surr: 2-Fluorobiphenyl	*72.0*			*40-125*	*%REC*	*10*	*08-Aug-2023 14:49*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*09-Aug-2023 13:09*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 13:09*
Surr: 2-Fluorophenol	*62.0*			*20-120*	*%REC*	*10*	*08-Aug-2023 14:49*
Surr: 4-Terphenyl-d14	*99.7*			*40-135*	*%REC*	*10*	*08-Aug-2023 14:49*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*09-Aug-2023 13:09*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*09-Aug-2023 13:09*
Surr: Nitrobenzene-d5	*59.4*			*41-120*	*%REC*	*10*	*08-Aug-2023 14:49*
Surr: Phenol-d6	*65.5*			*20-120*	*%REC*	*10*	*08-Aug-2023 14:49*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 13:09*

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-FD04-20230718 Lab ID:HS23071331-03
Collection Date: 18-Jul-2023 15:20 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.0483**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:05

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW35B-20230718 Lab ID:HS23071331-04
Collection Date: 18-Jul-2023 16:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	**0.0026**		**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 19:38
Benzene	**0.097**		**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 19:38
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 19:38
Ethylbenzene	**0.0018**		**0.00030**	**0.0010**	**mg/L**	1	26-Jul-2023 19:38
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 19:38
Toluene	**0.0014**		**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 19:38
Xylenes, Total	**0.011**		**0.00030**	**0.0030**	**mg/L**	1	26-Jul-2023 19:38
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*26-Jul-2023 19:38*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*26-Jul-2023 19:38*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*26-Jul-2023 19:38*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*26-Jul-2023 19:38*

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW35B-20230718 Lab ID:HS23071331-04
Collection Date: 18-Jul-2023 16:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 18:15
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 18:15
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 18:15
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 18:15
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 18:15
2-Methylnaphthalene	**0.030**		**0.00019**	**0.0010**	**mg/L**	10	08-Aug-2023 15:35
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 18:15
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 18:15
Acenaphthene	**0.034**		**0.00027**	**0.0010**	**mg/L**	10	08-Aug-2023 15:35
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 18:15
Anthracene	**0.0037**		**0.000014**	**0.00010**	**mg/L**	1	02-Aug-2023 18:15
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 18:15
Benzo(a)pyrene	**0.000034**	J	**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2023 18:15
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 18:15
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 18:15
Chrysene	**0.00013**		**0.000021**	**0.00010**	**mg/L**	1	02-Aug-2023 18:15
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 18:15
Dibenzofuran	**0.039**		**0.00020**	**0.0010**	**mg/L**	10	08-Aug-2023 15:35
Fluoranthene	**0.0038**		**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2023 18:15
Fluorene	**0.022**		**0.00030**	**0.0010**	**mg/L**	10	08-Aug-2023 15:35
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 18:15
Naphthalene	**0.00095**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2023 18:15
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 18:15
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 18:15
Phenanthrene	**0.037**		**0.00021**	**0.0010**	**mg/L**	10	08-Aug-2023 15:35
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 18:15
Pyrene	**0.0017**		**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2023 18:15
Surr: 2,4,6-Tribromophenol	*70.2*			*34-129*	*%REC*	*10*	*08-Aug-2023 15:35*
Surr: 2,4,6-Tribromophenol	*73.9*			*34-129*	*%REC*	*1*	*02-Aug-2023 18:15*
Surr: 2-Fluorobiphenyl	*67.1*			*40-125*	*%REC*	*10*	*08-Aug-2023 15:35*
Surr: 2-Fluorobiphenyl	*55.0*			*40-125*	*%REC*	*1*	*02-Aug-2023 18:15*
Surr: 2-Fluorophenol	*47.3*			*20-120*	*%REC*	*1*	*02-Aug-2023 18:15*
Surr: 2-Fluorophenol	*56.5*			*20-120*	*%REC*	*10*	*08-Aug-2023 15:35*
Surr: 4-Terphenyl-d14	*99.2*			*40-135*	*%REC*	*10*	*08-Aug-2023 15:35*
Surr: 4-Terphenyl-d14	*81.4*			*40-135*	*%REC*	*1*	*02-Aug-2023 18:15*
Surr: Nitrobenzene-d5	*48.6*			*41-120*	*%REC*	*1*	*02-Aug-2023 18:15*
Surr: Nitrobenzene-d5	*57.0*			*41-120*	*%REC*	*10*	*08-Aug-2023 15:35*
Surr: Phenol-d6	*59.7*			*20-120*	*%REC*	*10*	*08-Aug-2023 15:35*
Surr: Phenol-d6	*50.5*			*20-120*	*%REC*	*1*	*02-Aug-2023 18:15*

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW35B-20230718 Lab ID:HS23071331-04
Collection Date: 18-Jul-2023 16:15 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.00329**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:07

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW35A-20230718 Lab ID:HS23071331-05
Collection Date: 18-Jul-2023 17:05 Matrix:GW

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	26-Jul-2023 19:59
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 19:59
Chlorobenzene	**0.0011**		**0.00030**	**0.0010**	**mg/L**	1	26-Jul-2023 19:59
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 19:59
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 19:59
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 19:59
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 19:59
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*26-Jul-2023 19:59*
Surr: 4-Bromofluorobenzene	*99.4*			*77-113*	*%REC*	*1*	*26-Jul-2023 19:59*
Surr: Dibromofluoromethane	*95.8*			*77-123*	*%REC*	*1*	*26-Jul-2023 19:59*
Surr: Toluene-d8	*98.7*			*82-127*	*%REC*	*1*	*26-Jul-2023 19:59*

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW35A-20230718 Lab ID:HS23071331-05
Collection Date: 18-Jul-2023 17:05 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 18:38
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 18:38
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 18:38
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 18:38
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 18:38
2-Methylnaphthalene	**0.000073**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2023 18:38
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 18:38
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 18:38
Acenaphthene	**0.0012**		**0.000027**	**0.00010**	**mg/L**	1	02-Aug-2023 18:38
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 18:38
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 18:38
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 18:38
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 18:38
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 18:38
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 18:38
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 18:38
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 18:38
Dibenzofuran	**0.00015**		**0.000020**	**0.00010**	**mg/L**	1	02-Aug-2023 18:38
Fluoranthene	**0.000078**	J	**0.000010**	**0.00010**	**mg/L**	1	02-Aug-2023 18:38
Fluorene	**0.00017**		**0.000030**	**0.00010**	**mg/L**	1	02-Aug-2023 18:38
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 18:38
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 18:38
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 18:38
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 18:38
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 18:38
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 18:38
Pyrene	**0.000071**	J	**0.000019**	**0.00010**	**mg/L**	1	02-Aug-2023 18:38
Surr: 2,4,6-Tribromophenol	*76.3*			*34-129*	*%REC*	*1*	*02-Aug-2023 18:38*
Surr: 2-Fluorobiphenyl	*65.3*			*40-125*	*%REC*	*1*	*02-Aug-2023 18:38*
Surr: 2-Fluorophenol	*47.5*			*20-120*	*%REC*	*1*	*02-Aug-2023 18:38*
Surr: 4-Terphenyl-d14	*71.8*			*40-135*	*%REC*	*1*	*02-Aug-2023 18:38*
Surr: Nitrobenzene-d5	*50.4*			*41-120*	*%REC*	*1*	*02-Aug-2023 18:38*
Surr: Phenol-d6	*52.8*			*20-120*	*%REC*	*1*	*02-Aug-2023 18:38*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.0287**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:09

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-FB08-20230718 Lab ID:HS23071331-06
Collection Date: 18-Jul-2023 17:30 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	26-Jul-2023 17:32
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 17:32
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 17:32
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 17:32
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 17:32
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 17:32
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 17:32
Surr: 1,2-Dichloroethane-d4	*103*			*70-126*	*%REC*	*1*	*26-Jul-2023 17:32*
Surr: 4-Bromofluorobenzene	*96.3*			*77-113*	*%REC*	*1*	*26-Jul-2023 17:32*
Surr: Dibromofluoromethane	*97.4*			*77-123*	*%REC*	*1*	*26-Jul-2023 17:32*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*26-Jul-2023 17:32*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-FB08-20230718
Collection Date: 18-Jul-2023 17:30

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 25-Jul-2023		Analyst: MBG
1,2-Diphenylhydrazine	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 19:02
2,4-Dimethylphenol	< 0.000040		0.000040	0.00020	mg/L	1	02-Aug-2023 19:02
2,4-Dinitrotoluene	< 0.000058		0.000058	0.00020	mg/L	1	02-Aug-2023 19:02
2,6-Dinitrotoluene	< 0.000042		0.000042	0.00020	mg/L	1	02-Aug-2023 19:02
2-Chloronaphthalene	< 0.000021		0.000021	0.00020	mg/L	1	02-Aug-2023 19:02
2-Methylnaphthalene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 19:02
4,6-Dinitro-2-methylphenol	< 0.000020		0.000020	0.0010	mg/L	1	02-Aug-2023 19:02
4-Nitrophenol	< 0.000047		0.000047	0.0010	mg/L	1	02-Aug-2023 19:02
Acenaphthene	< 0.000027		0.000027	0.00010	mg/L	1	02-Aug-2023 19:02
Acenaphthylene	< 0.000015		0.000015	0.00010	mg/L	1	02-Aug-2023 19:02
Anthracene	< 0.000014		0.000014	0.00010	mg/L	1	02-Aug-2023 19:02
Benz(a)anthracene	< 0.000050		0.000050	0.00010	mg/L	1	02-Aug-2023 19:02
Benzo(a)pyrene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 19:02
Bis(2-chloroethoxy)methane	< 0.000030		0.000030	0.00020	mg/L	1	02-Aug-2023 19:02
Bis(2-ethylhexyl)phthalate	< 0.000037		0.000037	0.00020	mg/L	1	02-Aug-2023 19:02
Chrysene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 19:02
Di-n-butyl phthalate	< 0.000020		0.000020	0.00020	mg/L	1	02-Aug-2023 19:02
Dibenzofuran	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 19:02
Fluoranthene	< 0.000010		0.000010	0.00010	mg/L	1	02-Aug-2023 19:02
Fluorene	< 0.000030		0.000030	0.00010	mg/L	1	02-Aug-2023 19:02
N-Nitrosodiphenylamine	< 0.000025		0.000025	0.00020	mg/L	1	02-Aug-2023 19:02
Naphthalene	< 0.000020		0.000020	0.00010	mg/L	1	02-Aug-2023 19:02
Nitrobenzene	< 0.000024		0.000024	0.00020	mg/L	1	02-Aug-2023 19:02
Pentachlorophenol	< 0.000079		0.000079	0.00020	mg/L	1	02-Aug-2023 19:02
Phenanthrene	< 0.000021		0.000021	0.00010	mg/L	1	02-Aug-2023 19:02
Phenol	< 0.000035		0.000035	0.00020	mg/L	1	02-Aug-2023 19:02
Pyrene	< 0.000019		0.000019	0.00010	mg/L	1	02-Aug-2023 19:02
Surr: 2,4,6-Tribromophenol	*35.6*			*34-129*	*%REC*	*1*	*02-Aug-2023 19:02*
Surr: 2-Fluorobiphenyl	*72.5*			*40-125*	*%REC*	*1*	*02-Aug-2023 19:02*
Surr: 2-Fluorophenol	*55.0*			*20-120*	*%REC*	*1*	*02-Aug-2023 19:02*
Surr: 4-Terphenyl-d14	*78.3*			*40-135*	*%REC*	*1*	*02-Aug-2023 19:02*
Surr: Nitrobenzene-d5	*58.1*			*41-120*	*%REC*	*1*	*02-Aug-2023 19:02*
Surr: Phenol-d6	*58.6*			*20-120*	*%REC*	*1*	*02-Aug-2023 19:02*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	02-Aug-2023 22:11

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW68A-20230719 Lab ID:HS23071331-07
Collection Date: 19-Jul-2023 07:45 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
1,2-Dichloroethane	< 0.010		0.010	0.050	mg/L	50	26-Jul-2023 20:20
Benzene	< 0.010		0.010	0.050	mg/L	50	26-Jul-2023 20:20
Chlorobenzene	< 0.015		0.015	0.050	mg/L	50	26-Jul-2023 20:20
Ethylbenzene	< 0.015		0.015	0.050	mg/L	50	26-Jul-2023 20:20
Methylene chloride	< 0.050		0.050	0.10	mg/L	50	26-Jul-2023 20:20
Toluene	< 0.010		0.010	0.050	mg/L	50	26-Jul-2023 20:20
Xylenes, Total	< 0.015		0.015	0.15	mg/L	50	26-Jul-2023 20:20
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*50*	*26-Jul-2023 20:20*
Surr: 4-Bromofluorobenzene	*98.8*			*77-113*	*%REC*	*50*	*26-Jul-2023 20:20*
Surr: Dibromofluoromethane	*97.2*			*77-123*	*%REC*	*50*	*26-Jul-2023 20:20*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*50*	*26-Jul-2023 20:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW68A-20230719
Collection Date: 19-Jul-2023 07:45

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-07
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 20:40
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	03-Aug-2023 20:40
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 20:40
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 20:40
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 20:40
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 20:40
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 20:40
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 20:40
Acenaphthene	**0.00054**	J	**0.00027**	**0.0010**	**mg/L**	10	03-Aug-2023 20:40
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 20:40
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	03-Aug-2023 20:40
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 20:40
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 20:40
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 20:40
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 20:40
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 20:40
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 20:40
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 20:40
Fluoranthene	**0.00032**	J	**0.00010**	**0.0010**	**mg/L**	10	03-Aug-2023 20:40
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	03-Aug-2023 20:40
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 20:40
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 20:40
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 20:40
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 20:40
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 20:40
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 20:40
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 20:40
Surr: 2,4,6-Tribromophenol	*83.0*			*34-129*	*%REC*	*10*	*03-Aug-2023 20:40*
Surr: 2-Fluorobiphenyl	*86.5*			*40-125*	*%REC*	*10*	*03-Aug-2023 20:40*
Surr: 2-Fluorophenol	*65.0*			*20-120*	*%REC*	*10*	*03-Aug-2023 20:40*
Surr: 4-Terphenyl-d14	*97.3*			*40-135*	*%REC*	*10*	*03-Aug-2023 20:40*
Surr: Nitrobenzene-d5	*69.6*			*41-120*	*%REC*	*10*	*03-Aug-2023 20:40*
Surr: Phenol-d6	*68.0*			*20-120*	*%REC*	*10*	*03-Aug-2023 20:40*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.0918**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:13

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW68B-20230719 Lab ID:HS23071331-08
Collection Date: 19-Jul-2023 08:35 Matrix:GW

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	26-Jul-2023 20:41
Benzene	**2.4**		**0.020**	**0.10**	**mg/L**	100	27-Jul-2023 18:06
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 20:41
Ethylbenzene	**0.54**		**0.030**	**0.10**	**mg/L**	100	27-Jul-2023 18:06
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 20:41
Toluene	**0.68**		**0.020**	**0.10**	**mg/L**	100	27-Jul-2023 18:06
Xylenes, Total	**1.4**		**0.030**	**0.30**	**mg/L**	100	27-Jul-2023 18:06
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*1*	*26-Jul-2023 20:41*
Surr: 1,2-Dichloroethane-d4	*124*			*70-126*	*%REC*	*100*	*27-Jul-2023 18:06*
Surr: 4-Bromofluorobenzene	*111*			*77-113*	*%REC*	*1*	*26-Jul-2023 20:41*
Surr: 4-Bromofluorobenzene	*106*			*77-113*	*%REC*	*100*	*27-Jul-2023 18:06*
Surr: Dibromofluoromethane	*99.4*			*77-123*	*%REC*	*1*	*26-Jul-2023 20:41*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*100*	*27-Jul-2023 18:06*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*26-Jul-2023 20:41*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*100*	*27-Jul-2023 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 1620-02
Sample ID: WG-1620-MW68B-20230719
Collection Date: 19-Jul-2023 08:35

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-08
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 21:04
2,4-Dimethylphenol	**0.0064**		**0.00040**	**0.0020**	**mg/L**	10	03-Aug-2023 21:04
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 21:04
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 21:04
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 21:04
2-Methylnaphthalene	**0.22**		**0.0019**	**0.010**	**mg/L**	100	09-Aug-2023 17:26
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 21:04
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 21:04
Acenaphthene	**0.065**		**0.00027**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Acenaphthylene	**0.00097**	J	**0.00015**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Anthracene	**0.022**		**0.00014**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Benz(a)anthracene	**0.0063**		**0.00050**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Benzo(a)pyrene	**0.0019**		**0.00020**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 21:04
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 21:04
Chrysene	**0.0053**		**0.00021**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 21:04
Dibenzofuran	**0.086**		**0.00020**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Fluoranthene	**0.043**		**0.00010**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Fluorene	**0.048**		**0.00030**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 21:04
Naphthalene	**2.8**		**0.020**	**0.10**	**mg/L**	1000	09-Aug-2023 17:47
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 21:04
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 21:04
Phenanthrene	**0.11**		**0.0021**	**0.010**	**mg/L**	100	09-Aug-2023 17:26
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 21:04
Pyrene	**0.025**		**0.00019**	**0.0010**	**mg/L**	10	03-Aug-2023 21:04
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*09-Aug-2023 17:26*
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*1000*	*09-Aug-2023 17:47*
Surr: 2,4,6-Tribromophenol	*93.3*			*34-129*	*%REC*	*10*	*03-Aug-2023 21:04*
Surr: 2-Fluorobiphenyl	*77.9*			*40-125*	*%REC*	*10*	*03-Aug-2023 21:04*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*1000*	*09-Aug-2023 17:47*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*09-Aug-2023 17:26*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 17:26*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*1000*	*09-Aug-2023 17:47*
Surr: 2-Fluorophenol	*80.3*			*20-120*	*%REC*	*10*	*03-Aug-2023 21:04*
Surr: 4-Terphenyl-d14	*91.8*			*40-135*	*%REC*	*10*	*03-Aug-2023 21:04*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*1000*	*09-Aug-2023 17:47*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*09-Aug-2023 17:26*

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW68B-20230719 Lab ID:HS23071331-08
Collection Date: 19-Jul-2023 08:35 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 26-Jul-2023		Analyst: GEY
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*09-Aug-2023 17:26*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*1000*	*09-Aug-2023 17:47*
Surr: Nitrobenzene-d5	*64.5*			*41-120*	*%REC*	*10*	*03-Aug-2023 21:04*
Surr: Phenol-d6	*61.6*			*20-120*	*%REC*	*10*	*03-Aug-2023 21:04*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 17:26*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*1000*	*09-Aug-2023 17:47*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.00582**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:16

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW68C-20230719 Lab ID:HS23071331-09
Collection Date: 19-Jul-2023 09:25 Matrix:GW

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	26-Jul-2023 21:02
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 02:30
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 21:02
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	28-Jul-2023 02:30
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 21:02
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	28-Jul-2023 02:30
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	28-Jul-2023 02:30
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*26-Jul-2023 21:02*
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*28-Jul-2023 02:30*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*26-Jul-2023 21:02*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*28-Jul-2023 02:30*
Surr: Dibromofluoromethane	*94.8*			*77-123*	*%REC*	*1*	*26-Jul-2023 21:02*
Surr: Dibromofluoromethane	*99.3*			*77-123*	*%REC*	*1*	*28-Jul-2023 02:30*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*26-Jul-2023 21:02*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*28-Jul-2023 02:30*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW68C-20230719
Collection Date: 19-Jul-2023 09:25

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-09
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	09-Aug-2023 18:08
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	09-Aug-2023 18:08
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	09-Aug-2023 18:08
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	09-Aug-2023 18:08
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	09-Aug-2023 18:08
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	09-Aug-2023 18:08
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	09-Aug-2023 18:08
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	09-Aug-2023 18:08
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	09-Aug-2023 18:08
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	09-Aug-2023 18:08
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	09-Aug-2023 18:08
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	09-Aug-2023 18:08
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	09-Aug-2023 18:08
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	09-Aug-2023 18:08
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	09-Aug-2023 18:08
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	09-Aug-2023 18:08
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	09-Aug-2023 18:08
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	09-Aug-2023 18:08
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	09-Aug-2023 18:08
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	09-Aug-2023 18:08
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	09-Aug-2023 18:08
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	09-Aug-2023 18:08
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	09-Aug-2023 18:08
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	09-Aug-2023 18:08
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	09-Aug-2023 18:08
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	09-Aug-2023 18:08
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	09-Aug-2023 18:08
Surr: 2,4,6-Tribromophenol	*68.5*			*34-129*	*%REC*	*10*	*09-Aug-2023 18:08*
Surr: 2-Fluorobiphenyl	*64.5*			*40-125*	*%REC*	*10*	*09-Aug-2023 18:08*
Surr: 2-Fluorophenol	*58.5*			*20-120*	*%REC*	*10*	*09-Aug-2023 18:08*
Surr: 4-Terphenyl-d14	*101*			*40-135*	*%REC*	*10*	*09-Aug-2023 18:08*
Surr: Nitrobenzene-d5	*56.0*			*41-120*	*%REC*	*10*	*09-Aug-2023 18:08*
Surr: Phenol-d6	*55.3*			*20-120*	*%REC*	*10*	*09-Aug-2023 18:08*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	< 0.000400		0.000400	0.00200	mg/L	1	02-Aug-2023 22:22

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW84B-20230719 Lab ID:HS23071331-10
Collection Date: 19-Jul-2023 10:15 Matrix:GW

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	26-Jul-2023 21:23
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 21:23
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 21:23
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 21:23
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 21:23
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 21:23
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 21:23
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*1*	*26-Jul-2023 21:23*
Surr: 4-Bromofluorobenzene	*97.2*			*77-113*	*%REC*	*1*	*26-Jul-2023 21:23*
Surr: Dibromofluoromethane	*98.7*			*77-123*	*%REC*	*1*	*26-Jul-2023 21:23*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*26-Jul-2023 21:23*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW84B-20230719
Collection Date: 19-Jul-2023 10:15

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-10
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 21:51
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	03-Aug-2023 21:51
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 21:51
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 21:51
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 21:51
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 21:51
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 21:51
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 21:51
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	03-Aug-2023 21:51
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 21:51
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	03-Aug-2023 21:51
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 21:51
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 21:51
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 21:51
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 21:51
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 21:51
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 21:51
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 21:51
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	03-Aug-2023 21:51
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	03-Aug-2023 21:51
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 21:51
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 21:51
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 21:51
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 21:51
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 21:51
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 21:51
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 21:51
Surr: 2,4,6-Tribromophenol	*88.4*			*34-129*	*%REC*	*10*	*03-Aug-2023 21:51*
Surr: 2-Fluorobiphenyl	*82.4*			*40-125*	*%REC*	*10*	*03-Aug-2023 21:51*
Surr: 2-Fluorophenol	*56.9*			*20-120*	*%REC*	*10*	*03-Aug-2023 21:51*
Surr: 4-Terphenyl-d14	*94.5*			*40-135*	*%REC*	*10*	*03-Aug-2023 21:51*
Surr: Nitrobenzene-d5	*61.8*			*41-120*	*%REC*	*10*	*03-Aug-2023 21:51*
Surr: Phenol-d6	*60.8*			*20-120*	*%REC*	*10*	*03-Aug-2023 21:51*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.00112**	J	**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:24

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW84A-20230719 Lab ID:HS23071331-11
Collection Date: 19-Jul-2023 12:25 Matrix:GW

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	26-Jul-2023 21:44
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 21:44
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 21:44
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 21:44
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 21:44
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 21:44
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 21:44
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*26-Jul-2023 21:44*
Surr: 4-Bromofluorobenzene	*99.2*			*77-113*	*%REC*	*1*	*26-Jul-2023 21:44*
Surr: Dibromofluoromethane	*96.4*			*77-123*	*%REC*	*1*	*26-Jul-2023 21:44*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*26-Jul-2023 21:44*

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW84A-20230719 Lab ID:HS23071331-11
Collection Date: 19-Jul-2023 12:25 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 22:15
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	03-Aug-2023 22:15
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 22:15
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 22:15
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 22:15
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 22:15
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 22:15
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 22:15
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	03-Aug-2023 22:15
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 22:15
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	03-Aug-2023 22:15
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 22:15
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 22:15
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 22:15
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 22:15
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 22:15
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 22:15
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 22:15
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	03-Aug-2023 22:15
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	03-Aug-2023 22:15
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 22:15
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 22:15
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 22:15
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 22:15
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 22:15
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 22:15
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 22:15
Surr: 2,4,6-Tribromophenol	*79.2*			*34-129*	*%REC*	*10*	*03-Aug-2023 22:15*
Surr: 2-Fluorobiphenyl	*72.3*			*40-125*	*%REC*	*10*	*03-Aug-2023 22:15*
Surr: 2-Fluorophenol	*55.8*			*20-120*	*%REC*	*10*	*03-Aug-2023 22:15*
Surr: 4-Terphenyl-d14	*87.1*			*40-135*	*%REC*	*10*	*03-Aug-2023 22:15*
Surr: Nitrobenzene-d5	*57.4*			*41-120*	*%REC*	*10*	*03-Aug-2023 22:15*
Surr: Phenol-d6	*57.0*			*20-120*	*%REC*	*10*	*03-Aug-2023 22:15*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.0148**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:26

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW90B-20230719 Lab ID:HS23071331-12
Collection Date: 19-Jul-2023 13:20 Matrix:GW

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	26-Jul-2023 22:05
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 22:05
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 22:05
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 22:05
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 22:05
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 22:05
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 22:05
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*1*	*26-Jul-2023 22:05*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*26-Jul-2023 22:05*
Surr: Dibromofluoromethane	*97.9*			*77-123*	*%REC*	*1*	*26-Jul-2023 22:05*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*26-Jul-2023 22:05*

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW90B-20230719 Lab ID:HS23071331-12
Collection Date: 19-Jul-2023 13:20 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 22:39
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	03-Aug-2023 22:39
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 22:39
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 22:39
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 22:39
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 22:39
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 22:39
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 22:39
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	03-Aug-2023 22:39
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 22:39
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	03-Aug-2023 22:39
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 22:39
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 22:39
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 22:39
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 22:39
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 22:39
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 22:39
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 22:39
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	03-Aug-2023 22:39
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	03-Aug-2023 22:39
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 22:39
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 22:39
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 22:39
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 22:39
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 22:39
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 22:39
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 22:39
Surr: 2,4,6-Tribromophenol	*74.8*			*34-129*	*%REC*	*10*	*03-Aug-2023 22:39*
Surr: 2-Fluorobiphenyl	*68.9*			*40-125*	*%REC*	*10*	*03-Aug-2023 22:39*
Surr: 2-Fluorophenol	*51.9*			*20-120*	*%REC*	*10*	*03-Aug-2023 22:39*
Surr: 4-Terphenyl-d14	*80.9*			*40-135*	*%REC*	*10*	*03-Aug-2023 22:39*
Surr: Nitrobenzene-d5	*52.3*			*41-120*	*%REC*	*10*	*03-Aug-2023 22:39*
Surr: Phenol-d6	*57.1*			*20-120*	*%REC*	*10*	*03-Aug-2023 22:39*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.00138**	J	**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:28

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW92B-20230719 Lab ID:HS23071331-13
Collection Date: 19-Jul-2023 14:15 Matrix:GW

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	26-Jul-2023 22:26
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 22:26
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 22:26
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 22:26
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 22:26
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 22:26
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 22:26
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*26-Jul-2023 22:26*
Surr: 4-Bromofluorobenzene	*96.0*			*77-113*	*%REC*	*1*	*26-Jul-2023 22:26*
Surr: Dibromofluoromethane	*94.9*			*77-123*	*%REC*	*1*	*26-Jul-2023 22:26*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*26-Jul-2023 22:26*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW92B-20230719
Collection Date: 19-Jul-2023 14:15

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-13
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 23:03
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	03-Aug-2023 23:03
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 23:03
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 23:03
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 23:03
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 23:03
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 23:03
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 23:03
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	03-Aug-2023 23:03
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 23:03
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	03-Aug-2023 23:03
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 23:03
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 23:03
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 23:03
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 23:03
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 23:03
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 23:03
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 23:03
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	03-Aug-2023 23:03
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	03-Aug-2023 23:03
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 23:03
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 23:03
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 23:03
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 23:03
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 23:03
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 23:03
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 23:03
Surr: 2,4,6-Tribromophenol	*83.9*			*34-129*	*%REC*	*10*	*03-Aug-2023 23:03*
Surr: 2-Fluorobiphenyl	*78.4*			*40-125*	*%REC*	*10*	*03-Aug-2023 23:03*
Surr: 2-Fluorophenol	*57.9*			*20-120*	*%REC*	*10*	*03-Aug-2023 23:03*
Surr: 4-Terphenyl-d14	*90.9*			*40-135*	*%REC*	*10*	*03-Aug-2023 23:03*
Surr: Nitrobenzene-d5	*60.1*			*41-120*	*%REC*	*10*	*03-Aug-2023 23:03*
Surr: Phenol-d6	*63.9*			*20-120*	*%REC*	*10*	*03-Aug-2023 23:03*
ICP-MS METALS BY SW6020A	**Method:SW6020A**				Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.000871**	J	**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:30

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW63B-20230719 Lab ID:HS23071331-14
Collection Date: 19-Jul-2023 15:10 Matrix:GW

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	26-Jul-2023 22:47
Benzene	**0.24**		**0.0020**	**0.010**	**mg/L**	10	27-Jul-2023 18:27
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 22:47
Ethylbenzene	**0.013**		**0.00030**	**0.0010**	**mg/L**	1	26-Jul-2023 22:47
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 22:47
Toluene	**0.0046**		**0.00020**	**0.0010**	**mg/L**	1	26-Jul-2023 22:47
Xylenes, Total	**0.013**		**0.00030**	**0.0030**	**mg/L**	1	26-Jul-2023 22:47
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*26-Jul-2023 22:47*
Surr: 1,2-Dichloroethane-d4	*122*			*70-126*	*%REC*	*10*	*27-Jul-2023 18:27*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*1*	*26-Jul-2023 22:47*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*10*	*27-Jul-2023 18:27*
Surr: Dibromofluoromethane	*97.9*			*77-123*	*%REC*	*1*	*26-Jul-2023 22:47*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*10*	*27-Jul-2023 18:27*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*26-Jul-2023 22:47*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*10*	*27-Jul-2023 18:27*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW63B-20230719
Collection Date: 19-Jul-2023 15:10

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-14
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 23:26
2,4-Dimethylphenol	**0.0071**		**0.00040**	**0.0020**	**mg/L**	10	03-Aug-2023 23:26
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 23:26
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 23:26
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 23:26
2-Methylnaphthalene	**0.019**		**0.00019**	**0.0010**	**mg/L**	10	03-Aug-2023 23:26
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 23:26
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 23:26
Acenaphthene	**0.0049**		**0.00027**	**0.0010**	**mg/L**	10	03-Aug-2023 23:26
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 23:26
Anthracene	**0.00021**	J	**0.00014**	**0.0010**	**mg/L**	10	03-Aug-2023 23:26
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 23:26
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 23:26
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 23:26
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 23:26
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 23:26
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 23:26
Dibenzofuran	**0.0049**		**0.00020**	**0.0010**	**mg/L**	10	03-Aug-2023 23:26
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	03-Aug-2023 23:26
Fluorene	**0.0018**		**0.00030**	**0.0010**	**mg/L**	10	03-Aug-2023 23:26
N-Nitrosodiphenylamine	**0.0016**	J	**0.00025**	**0.0020**	**mg/L**	10	03-Aug-2023 23:26
Naphthalene	**0.80**		**0.0020**	**0.010**	**mg/L**	100	09-Aug-2023 18:29
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 23:26
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 23:26
Phenanthrene	**0.00058**	J	**0.00021**	**0.0010**	**mg/L**	10	03-Aug-2023 23:26
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 23:26
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 23:26
Surr: 2,4,6-Tribromophenol	*0*	*JS*		*34-129*	*%REC*	*100*	*09-Aug-2023 18:29*
Surr: 2,4,6-Tribromophenol	*89.0*			*34-129*	*%REC*	*10*	*03-Aug-2023 23:26*
Surr: 2-Fluorobiphenyl	*68.3*			*40-125*	*%REC*	*10*	*03-Aug-2023 23:26*
Surr: 2-Fluorobiphenyl	*0*	*JS*		*40-125*	*%REC*	*100*	*09-Aug-2023 18:29*
Surr: 2-Fluorophenol	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 18:29*
Surr: 2-Fluorophenol	*50.2*			*20-120*	*%REC*	*10*	*03-Aug-2023 23:26*
Surr: 4-Terphenyl-d14	*91.2*			*40-135*	*%REC*	*10*	*03-Aug-2023 23:26*
Surr: 4-Terphenyl-d14	*0*	*JS*		*40-135*	*%REC*	*100*	*09-Aug-2023 18:29*
Surr: Nitrobenzene-d5	*0*	*JS*		*41-120*	*%REC*	*100*	*09-Aug-2023 18:29*
Surr: Nitrobenzene-d5	*51.6*			*41-120*	*%REC*	*10*	*03-Aug-2023 23:26*
Surr: Phenol-d6	*51.6*			*20-120*	*%REC*	*10*	*03-Aug-2023 23:26*
Surr: Phenol-d6	*0*	*JS*		*20-120*	*%REC*	*100*	*09-Aug-2023 18:29*

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW63B-20230719 Lab ID:HS23071331-14
Collection Date: 19-Jul-2023 15:10 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.00224**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:32

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW22AR-20230719 Lab ID:HS23071331-15
Collection Date: 19-Jul-2023 16:20 Matrix:GW

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	26-Jul-2023 23:08
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 23:08
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 23:08
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 23:08
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 23:08
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 23:08
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 23:08
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*1*	*26-Jul-2023 23:08*
Surr: 4-Bromofluorobenzene	*99.2*			*77-113*	*%REC*	*1*	*26-Jul-2023 23:08*
Surr: Dibromofluoromethane	*99.9*			*77-123*	*%REC*	*1*	*26-Jul-2023 23:08*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*26-Jul-2023 23:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW22AR-20230719
Collection Date: 19-Jul-2023 16:20

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-15
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 23:50
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	03-Aug-2023 23:50
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	03-Aug-2023 23:50
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	03-Aug-2023 23:50
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	03-Aug-2023 23:50
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 23:50
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	03-Aug-2023 23:50
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	03-Aug-2023 23:50
Acenaphthene	< 0.00027		0.00027	0.0010	mg/L	10	03-Aug-2023 23:50
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	03-Aug-2023 23:50
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	03-Aug-2023 23:50
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	03-Aug-2023 23:50
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 23:50
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	03-Aug-2023 23:50
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	03-Aug-2023 23:50
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 23:50
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	03-Aug-2023 23:50
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 23:50
Fluoranthene	< 0.00010		0.00010	0.0010	mg/L	10	03-Aug-2023 23:50
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	03-Aug-2023 23:50
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	03-Aug-2023 23:50
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	03-Aug-2023 23:50
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	03-Aug-2023 23:50
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	03-Aug-2023 23:50
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	03-Aug-2023 23:50
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	03-Aug-2023 23:50
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	03-Aug-2023 23:50
Surr: 2,4,6-Tribromophenol	*89.7*			*34-129*	*%REC*	*10*	*03-Aug-2023 23:50*
Surr: 2-Fluorobiphenyl	*83.9*			*40-125*	*%REC*	*10*	*03-Aug-2023 23:50*
Surr: 2-Fluorophenol	*64.4*			*20-120*	*%REC*	*10*	*03-Aug-2023 23:50*
Surr: 4-Terphenyl-d14	*95.1*			*40-135*	*%REC*	*10*	*03-Aug-2023 23:50*
Surr: Nitrobenzene-d5	*66.4*			*41-120*	*%REC*	*10*	*03-Aug-2023 23:50*
Surr: Phenol-d6	*64.6*			*20-120*	*%REC*	*10*	*03-Aug-2023 23:50*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.00206**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:34

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-MW22BR-20230719 Lab ID:HS23071331-16
Collection Date: 19-Jul-2023 17:15 Matrix:GW

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	26-Jul-2023 23:29
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 23:29
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 23:29
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	26-Jul-2023 23:29
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	26-Jul-2023 23:29
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	26-Jul-2023 23:29
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	26-Jul-2023 23:29
Surr: 1,2-Dichloroethane-d4	*110*			*70-126*	*%REC*	*1*	*26-Jul-2023 23:29*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*26-Jul-2023 23:29*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*26-Jul-2023 23:29*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*26-Jul-2023 23:29*

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
Sample ID: WG-1620-MW22BR-20230719
Collection Date: 19-Jul-2023 17:15

ANALYTICAL REPORT
WorkOrder:HS23071331
Lab ID:HS23071331-16
Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 26-Jul-2023		Analyst: GEY
1,2-Diphenylhydrazine	< 0.00021		0.00021	0.0020	mg/L	10	09-Aug-2023 17:05
2,4-Dimethylphenol	< 0.00040		0.00040	0.0020	mg/L	10	09-Aug-2023 17:05
2,4-Dinitrotoluene	< 0.00058		0.00058	0.0020	mg/L	10	09-Aug-2023 17:05
2,6-Dinitrotoluene	< 0.00042		0.00042	0.0020	mg/L	10	09-Aug-2023 17:05
2-Chloronaphthalene	< 0.00021		0.00021	0.0020	mg/L	10	09-Aug-2023 17:05
2-Methylnaphthalene	< 0.00019		0.00019	0.0010	mg/L	10	09-Aug-2023 17:05
4,6-Dinitro-2-methylphenol	< 0.00020		0.00020	0.010	mg/L	10	09-Aug-2023 17:05
4-Nitrophenol	< 0.00047		0.00047	0.010	mg/L	10	09-Aug-2023 17:05
Acenaphthene	**0.0031**		**0.00027**	**0.0010**	**mg/L**	10	09-Aug-2023 17:05
Acenaphthylene	< 0.00015		0.00015	0.0010	mg/L	10	09-Aug-2023 17:05
Anthracene	< 0.00014		0.00014	0.0010	mg/L	10	09-Aug-2023 17:05
Benz(a)anthracene	< 0.00050		0.00050	0.0010	mg/L	10	09-Aug-2023 17:05
Benzo(a)pyrene	< 0.00020		0.00020	0.0010	mg/L	10	09-Aug-2023 17:05
Bis(2-chloroethoxy)methane	< 0.00030		0.00030	0.0020	mg/L	10	09-Aug-2023 17:05
Bis(2-ethylhexyl)phthalate	< 0.00037		0.00037	0.0020	mg/L	10	09-Aug-2023 17:05
Chrysene	< 0.00021		0.00021	0.0010	mg/L	10	09-Aug-2023 17:05
Di-n-butyl phthalate	< 0.00020		0.00020	0.0020	mg/L	10	09-Aug-2023 17:05
Dibenzofuran	< 0.00020		0.00020	0.0010	mg/L	10	09-Aug-2023 17:05
Fluoranthene	**0.00040**	J	**0.00010**	**0.0010**	**mg/L**	10	09-Aug-2023 17:05
Fluorene	< 0.00030		0.00030	0.0010	mg/L	10	09-Aug-2023 17:05
N-Nitrosodiphenylamine	< 0.00025		0.00025	0.0020	mg/L	10	09-Aug-2023 17:05
Naphthalene	< 0.00020		0.00020	0.0010	mg/L	10	09-Aug-2023 17:05
Nitrobenzene	< 0.00024		0.00024	0.0020	mg/L	10	09-Aug-2023 17:05
Pentachlorophenol	< 0.00079		0.00079	0.0020	mg/L	10	09-Aug-2023 17:05
Phenanthrene	< 0.00021		0.00021	0.0010	mg/L	10	09-Aug-2023 17:05
Phenol	< 0.00035		0.00035	0.0020	mg/L	10	09-Aug-2023 17:05
Pyrene	< 0.00019		0.00019	0.0010	mg/L	10	09-Aug-2023 17:05
Surr: 2,4,6-Tribromophenol	*64.1*			*34-129*	*%REC*	*10*	*09-Aug-2023 17:05*
Surr: 2-Fluorobiphenyl	*71.9*			*40-125*	*%REC*	*10*	*09-Aug-2023 17:05*
Surr: 2-Fluorophenol	*44.7*			*20-120*	*%REC*	*10*	*09-Aug-2023 17:05*
Surr: 4-Terphenyl-d14	*93.2*			*40-135*	*%REC*	*10*	*09-Aug-2023 17:05*
Surr: Nitrobenzene-d5	*61.6*			*41-120*	*%REC*	*10*	*09-Aug-2023 17:05*
Surr: Phenol-d6	*52.3*			*20-120*	*%REC*	*10*	*09-Aug-2023 17:05*
ICP-MS METALS BY SW6020A		**Method:SW6020A**			Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	**0.00603**		**0.000400**	**0.00200**	**mg/L**	1	02-Aug-2023 22:36

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 1620-02 WorkOrder:HS23071331
Sample ID: WG-1620-TB05-20230719 Lab ID:HS23071331-17
Collection Date: 19-Jul-2023 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	27-Jul-2023 03:00
Benzene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 03:00
Chlorobenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 03:00
Ethylbenzene	< 0.00030		0.00030	0.0010	mg/L	1	27-Jul-2023 03:00
Methylene chloride	< 0.0010		0.0010	0.0020	mg/L	1	27-Jul-2023 03:00
Toluene	< 0.00020		0.00020	0.0010	mg/L	1	27-Jul-2023 03:00
Xylenes, Total	< 0.00030		0.00030	0.0030	mg/L	1	27-Jul-2023 03:00
Surr: 1,2-Dichloroethane-d4	*120*			*70-126*	*%REC*	*1*	*27-Jul-2023 03:00*
Surr: 4-Bromofluorobenzene	*96.6*			*77-113*	*%REC*	*1*	*27-Jul-2023 03:00*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*27-Jul-2023 03:00*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*27-Jul-2023 03:00*

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 1620-02
WorkOrder: HS23071331

Batch ID: 198033 **Start Date:** 25 Jul 2023 15:55 **End Date:** 25 Jul 2023 15:55
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071331-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198122 **Start Date:** 26 Jul 2023 17:13 **End Date:** 26 Jul 2023 17:13
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071331-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-08	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-09	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-10	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-11	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-12	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-13	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-14	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-15	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS23071331-16	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Batch ID: 198395 **Start Date:** 02 Aug 2023 08:00 **End Date:** 02 Aug 2023 08:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071331-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-14		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-15		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23071331-16		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198033 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS23071331-06	WG-1620-FB08-20230718	18 Jul 2023 17:30		25 Jul 2023 15:55	02 Aug 2023 19:02	1
Batch ID: 198033 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS23071331-01	WG-1620-MW83C-20230718	18 Jul 2023 14:25		25 Jul 2023 15:55	02 Aug 2023 17:04	10
HS23071331-02	WG-1620-MW83B-20230718	18 Jul 2023 15:20		25 Jul 2023 15:55	02 Aug 2023 17:27	10
HS23071331-03	WG-1620-FD04-20230718	18 Jul 2023 15:20		25 Jul 2023 15:55	09 Aug 2023 13:09	100
HS23071331-03	WG-1620-FD04-20230718	18 Jul 2023 15:20		25 Jul 2023 15:55	08 Aug 2023 14:49	10
HS23071331-04	WG-1620-MW35B-20230718	18 Jul 2023 16:15		25 Jul 2023 15:55	08 Aug 2023 15:35	10
HS23071331-04	WG-1620-MW35B-20230718	18 Jul 2023 16:15		25 Jul 2023 15:55	02 Aug 2023 18:15	1
HS23071331-05	WG-1620-MW35A-20230718	18 Jul 2023 17:05		25 Jul 2023 15:55	02 Aug 2023 18:38	1
Batch ID: 198122 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** GW	
HS23071331-07	WG-1620-MW68A-20230719	19 Jul 2023 07:45		26 Jul 2023 17:13	03 Aug 2023 20:40	10
HS23071331-08	WG-1620-MW68B-20230719	19 Jul 2023 08:35		26 Jul 2023 17:13	09 Aug 2023 17:47	1000
HS23071331-08	WG-1620-MW68B-20230719	19 Jul 2023 08:35		26 Jul 2023 17:13	09 Aug 2023 17:26	100
HS23071331-08	WG-1620-MW68B-20230719	19 Jul 2023 08:35		26 Jul 2023 17:13	03 Aug 2023 21:04	10
HS23071331-09	WG-1620-MW68C-20230719	19 Jul 2023 09:25		26 Jul 2023 17:13	09 Aug 2023 18:08	10
HS23071331-10	WG-1620-MW84B-20230719	19 Jul 2023 10:15		26 Jul 2023 17:13	03 Aug 2023 21:51	10
HS23071331-11	WG-1620-MW84A-20230719	19 Jul 2023 12:25		26 Jul 2023 17:13	03 Aug 2023 22:15	10
HS23071331-12	WG-1620-MW90B-20230719	19 Jul 2023 13:20		26 Jul 2023 17:13	03 Aug 2023 22:39	10
HS23071331-13	WG-1620-MW92B-20230719	19 Jul 2023 14:15		26 Jul 2023 17:13	03 Aug 2023 23:03	10
HS23071331-14	WG-1620-MW63B-20230719	19 Jul 2023 15:10		26 Jul 2023 17:13	09 Aug 2023 18:29	100
HS23071331-14	WG-1620-MW63B-20230719	19 Jul 2023 15:10		26 Jul 2023 17:13	03 Aug 2023 23:26	10
HS23071331-15	WG-1620-MW22AR-20230719	19 Jul 2023 16:20		26 Jul 2023 17:13	03 Aug 2023 23:50	10
HS23071331-16	WG-1620-MW22BR-20230719	19 Jul 2023 17:15		26 Jul 2023 17:13	09 Aug 2023 17:05	10
Batch ID: 198395 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS23071331-06	WG-1620-FB08-20230718	18 Jul 2023 17:30		02 Aug 2023 08:00	02 Aug 2023 22:11	1

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198395 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** GW	
HS23071331-01	WG-1620-MW83C-20230718	18 Jul 2023 14:25		02 Aug 2023 08:00	02 Aug 2023 21:43	1
HS23071331-02	WG-1620-MW83B-20230718	18 Jul 2023 15:20		02 Aug 2023 08:00	02 Aug 2023 22:03	1
HS23071331-03	WG-1620-FD04-20230718	18 Jul 2023 15:20		02 Aug 2023 08:00	02 Aug 2023 22:05	1
HS23071331-04	WG-1620-MW35B-20230718	18 Jul 2023 16:15		02 Aug 2023 08:00	02 Aug 2023 22:07	1
HS23071331-05	WG-1620-MW35A-20230718	18 Jul 2023 17:05		02 Aug 2023 08:00	02 Aug 2023 22:09	1
HS23071331-07	WG-1620-MW68A-20230719	19 Jul 2023 07:45		02 Aug 2023 08:00	02 Aug 2023 22:13	1
HS23071331-08	WG-1620-MW68B-20230719	19 Jul 2023 08:35		02 Aug 2023 08:00	02 Aug 2023 22:16	1
HS23071331-09	WG-1620-MW68C-20230719	19 Jul 2023 09:25		02 Aug 2023 08:00	02 Aug 2023 22:22	1
HS23071331-10	WG-1620-MW84B-20230719	19 Jul 2023 10:15		02 Aug 2023 08:00	02 Aug 2023 22:24	1
HS23071331-11	WG-1620-MW84A-20230719	19 Jul 2023 12:25		02 Aug 2023 08:00	02 Aug 2023 22:26	1
HS23071331-12	WG-1620-MW90B-20230719	19 Jul 2023 13:20		02 Aug 2023 08:00	02 Aug 2023 22:28	1
HS23071331-13	WG-1620-MW92B-20230719	19 Jul 2023 14:15		02 Aug 2023 08:00	02 Aug 2023 22:30	1
HS23071331-14	WG-1620-MW63B-20230719	19 Jul 2023 15:10		02 Aug 2023 08:00	02 Aug 2023 22:32	1
HS23071331-15	WG-1620-MW22AR-20230719	19 Jul 2023 16:20		02 Aug 2023 08:00	02 Aug 2023 22:34	1
HS23071331-16	WG-1620-MW22BR-20230719	19 Jul 2023 17:15		02 Aug 2023 08:00	02 Aug 2023 22:36	1
Batch ID: R442448 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS23071331-06	WG-1620-FB08-20230718	18 Jul 2023 17:30			26 Jul 2023 17:32	1
Batch ID: R442448 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071331-01	WG-1620-MW83C-20230718	18 Jul 2023 14:25			26 Jul 2023 17:53	1
HS23071331-02	WG-1620-MW83B-20230718	18 Jul 2023 15:20			26 Jul 2023 18:56	1
HS23071331-03	WG-1620-FD04-20230718	18 Jul 2023 15:20			26 Jul 2023 19:17	1
HS23071331-04	WG-1620-MW35B-20230718	18 Jul 2023 16:15			26 Jul 2023 19:38	1
HS23071331-05	WG-1620-MW35A-20230718	18 Jul 2023 17:05			26 Jul 2023 19:59	1
HS23071331-07	WG-1620-MW68A-20230719	19 Jul 2023 07:45			26 Jul 2023 20:20	50
HS23071331-08	WG-1620-MW68B-20230719	19 Jul 2023 08:35			26 Jul 2023 20:41	1
HS23071331-09	WG-1620-MW68C-20230719	19 Jul 2023 09:25			26 Jul 2023 21:02	1
HS23071331-10	WG-1620-MW84B-20230719	19 Jul 2023 10:15			26 Jul 2023 21:23	1
HS23071331-11	WG-1620-MW84A-20230719	19 Jul 2023 12:25			26 Jul 2023 21:44	1
HS23071331-12	WG-1620-MW90B-20230719	19 Jul 2023 13:20			26 Jul 2023 22:05	1
HS23071331-13	WG-1620-MW92B-20230719	19 Jul 2023 14:15			26 Jul 2023 22:26	1
HS23071331-14	WG-1620-MW63B-20230719	19 Jul 2023 15:10			26 Jul 2023 22:47	1
HS23071331-15	WG-1620-MW22AR-20230719	19 Jul 2023 16:20			26 Jul 2023 23:08	1
HS23071331-16	WG-1620-MW22BR-20230719	19 Jul 2023 17:15			26 Jul 2023 23:29	1
Batch ID: R442461 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS23071331-17	WG-1620-TB05-20230719	19 Jul 2023 00:00			27 Jul 2023 03:00	1

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R442566 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071331-08	WG-1620-MW68B-20230719	19 Jul 2023 08:35			27 Jul 2023 18:06	100
HS23071331-14	WG-1620-MW63B-20230719	19 Jul 2023 15:10			27 Jul 2023 18:27	10
Batch ID: R442568 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** GW	
HS23071331-09	WG-1620-MW68C-20230719	19 Jul 2023 09:25			28 Jul 2023 02:30	1

Revision: 1

WorkOrder: HS23071331
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	0.00137	0.000400	0.00200

Revision:1

WorkOrder: HS23071331
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	0.0010
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	Di-n-butyl phthalate	84-74-2	0.00010	0.000079	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.000037	0.000020	0.00010
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	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000069	0.000025	0.00020
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	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: HS23071331
InstrumentID: SV-10
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles by 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1,2-Diphenylhydrazine	122-66-7	0.00010	0.000082	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	0.000064	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000082	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000090	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.00010	0.000079	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.00039	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000078	0.000047	0.0010
A	Acenaphthene	83-32-9	0.00010	0.000070	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.00010	0.000075	0.000015	0.00010
A	Anthracene	120-12-7	0.00010	0.000073	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.00010	0.000077	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.00010	0.000080	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000098	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000087	0.000037	0.00020
A	Chrysene	218-01-9	0.00010	0.000079	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000088	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.00010	0.000071	0.000020	0.00010
A	Fluoranthene	206-44-0	0.00010	0.000093	0.000010	0.00010
A	Fluorene	86-73-7	0.00010	0.000079	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000086	0.000025	0.00020
A	Naphthalene	91-20-3	0.00010	0.000084	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.00011	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000028	0.000079	0.00020
A	Phenanthrene	85-01-8	0.00010	0.00010	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000098	0.000035	0.00020
A	Pyrene	129-00-0	0.00010	0.000092	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: HS23071331
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	0.000073	0.000021	0.00020
A	2,4-Dimethylphenol	105-67-9	0.00010	0.000059	0.000040	0.00020
A	2,4-Dinitrotoluene	121-14-2	0.00010	0.000064	0.000058	0.00020
A	2,6-Dinitrotoluene	606-20-2	0.00010	0.000084	0.000042	0.00020
A	2-Chloronaphthalene	91-58-7	0.00010	0.000078	0.000021	0.00020
A	2-Methylnaphthalene	91-57-6	0.000050	0.000039	0.000019	0.00010
A	4,6-Dinitro-2-methylphenol	534-52-1	0.00010	0.000061	0.000020	0.0010
A	4-Nitrophenol	100-02-7	0.00010	0.000068	0.000047	0.0010
A	Acenaphthene	83-32-9	0.000050	0.000043	0.000027	0.00010
A	Acenaphthylene	208-96-8	0.000050	0.000050	0.000015	0.00010
A	Anthracene	120-12-7	0.000050	0.000045	0.000014	0.00010
A	Benz(a)anthracene	56-55-3	0.000050	0.000051	0.000050	0.00010
A	Benzo(a)pyrene	50-32-8	0.000050	0.000041	0.000020	0.00010
A	Bis(2-chloroethoxy)methane	111-91-1	0.00010	0.000083	0.000030	0.00020
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.00010	0.000058	0.000037	0.00020
A	Chrysene	218-01-9	0.000050	0.000044	0.000021	0.00010
A	Di-n-butyl phthalate	84-74-2	0.00010	0.000061	0.000020	0.00020
A	Dibenzofuran	132-64-9	0.000050	0.000039	0.000020	0.00010
A	Fluoranthene	206-44-0	0.000050	0.000047	0.000010	0.00010
A	Fluorene	86-73-7	0.000050	0.000047	0.000030	0.00010
A	N-Nitrosodiphenylamine	86-30-6	0.00010	0.000060	0.000025	0.00020
A	Naphthalene	91-20-3	0.000050	0.000048	0.000020	0.00010
A	Nitrobenzene	98-95-3	0.00010	0.000093	0.000024	0.00020
A	Pentachlorophenol	87-86-5	0.00010	0.000036	0.000079	0.00020
A	Phenanthrene	85-01-8	0.000050	0.000048	0.000021	0.00010
A	Phenol	108-95-2	0.00010	0.000084	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: HS23071331
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	0.00058	0.00020	0.0010
A	Benzene	71-43-2	0.00050	0.00050	0.00020	0.0010
A	Chlorobenzene	108-90-7	0.00050	0.00053	0.00030	0.0010
A	Ethylbenzene	100-41-4	0.00050	0.00038	0.00030	0.0010
A	Methylene chloride	75-09-2	0.00050	0.0013	0.0010	0.0020
A	Toluene	108-88-3	0.00050	0.00045	0.00020	0.0010
A	Xylenes, Total	1330-20-7	0.0015	0.0011	0.00030	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Revision:1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198395 (0) **Instrument: ICPMS06** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-198395** Units: **mg/L** Analysis Date: **02-Aug-2023 21:35**
Client ID: Run ID: **ICPMS06_442976** SeqNo: **7468219** PrepDate: **02-Aug-2023** 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-198395** Units: **mg/L** Analysis Date: **02-Aug-2023 21:37**
Client ID: Run ID: **ICPMS06_442976** SeqNo: **7468220** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05094	0.00200	0.05	0	102	80 - 120				

MS Sample ID: **HS23071331-01MS** Units: **mg/L** Analysis Date: **02-Aug-2023 21:47**
Client ID: **WG-1620-MW83C-20230718** Run ID: **ICPMS06_442976** SeqNo: **7468225** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.048	0.00200	0.05	0.000303	95.4	80 - 120				

MSD Sample ID: **HS23071331-01MSD** Units: **mg/L** Analysis Date: **02-Aug-2023 21:49**
Client ID: **WG-1620-MW83C-20230718** Run ID: **ICPMS06_442976** SeqNo: **7468226** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04882	0.00200	0.05	0.000303	97.0	80 - 120	0.048	1.68	20	

PDS Sample ID: **HS23071331-01PDS** Units: **mg/L** Analysis Date: **02-Aug-2023 21:51**
Client ID: **WG-1620-MW83C-20230718** Run ID: **ICPMS06_442976** SeqNo: **7468227** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09703	0.00200	0.1	0.000303	96.7	75 - 125				

SD Sample ID: **HS23071331-01SD** Units: **mg/L** Analysis Date: **02-Aug-2023 21:45**
Client ID: **WG-1620-MW83C-20230718** Run ID: **ICPMS06_442976** SeqNo: **7468224** PrepDate: **02-Aug-2023** 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					0.000303	0	10	

The following samples were analyzed in this batch:

HS23071331-01	HS23071331-02	HS23071331-03	HS23071331-04
HS23071331-05	HS23071331-06	HS23071331-07	HS23071331-08
HS23071331-09	HS23071331-10	HS23071331-11	HS23071331-12
HS23071331-13	HS23071331-14	HS23071331-15	HS23071331-16

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198033 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-198033** Units: **ug/L** Analysis Date: **02-Aug-2023 13:33**
Client ID: Run ID: **SV-8_443407** SeqNo: **7477725** PrepDate: **25-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*3.3*	*0.20*	*5*	*0*	*66.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.807*	*0.20*	*5*	*0*	*76.1*	*40 - 125*				
Surr: 2-Fluorophenol	*3.086*	*0.20*	*5*	*0*	*61.7*	*20 - 120*				
Surr: 4-Terphenyl-d14	*4.156*	*0.20*	*5*	*0*	*83.1*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.117*	*0.20*	*5*	*0*	*62.3*	*41 - 120*				
Surr: Phenol-d6	*3.284*	*0.20*	*5*	*0*	*65.7*	*20 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198033 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-198033** Units: **ug/L** Analysis Date: **02-Aug-2023 13:56**
Client ID: Run ID: **SV-8_443407** SeqNo: **7477726** PrepDate: **25-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.65	0.20	5	0	73.0	39 - 127				
2,4-Dimethylphenol	3.58	0.20	5	0	71.6	35 - 120				
2,4-Dinitrotoluene	4.117	0.20	5	0	82.3	50 - 122				
2,6-Dinitrotoluene	3.881	0.20	5	0	77.6	50 - 120				
2-Chloronaphthalene	4.219	0.20	5	0	84.4	50 - 120				
2-Methylnaphthalene	3.714	0.10	5	0	74.3	50 - 120				
4,6-Dinitro-2-methylphenol	4.328	1.0	5	0	86.6	25 - 121				
4-Nitrophenol	4.312	1.0	5	0	86.2	30 - 130				
Acenaphthene	3.478	0.10	5	0	69.6	45 - 120				
Acenaphthylene	3.685	0.10	5	0	73.7	47 - 120				
Anthracene	3.828	0.10	5	0	76.6	45 - 120				
Benz(a)anthracene	4.021	0.10	5	0	80.4	40 - 120				
Benzo(a)pyrene	4.297	0.10	5	0	85.9	45 - 120				
Bis(2-chloroethoxy)methane	3.398	0.20	5	0	68.0	45 - 120				
Bis(2-ethylhexyl)phthalate	3.745	0.20	5	0	74.9	40 - 139				
Chrysene	3.934	0.10	5	0	78.7	43 - 120				
Dibenzofuran	3.833	0.10	5	0	76.7	50 - 120				
Di-n-butyl phthalate	3.837	0.20	5	0	76.7	45 - 123				
Fluoranthene	4.077	0.10	5	0	81.5	45 - 125				
Fluorene	3.888	0.10	5	0	77.8	49 - 120				
Naphthalene	3.594	0.10	5	0	71.9	45 - 120				
Nitrobenzene	3.226	0.20	5	0	64.5	44 - 120				
N-Nitrosodiphenylamine	3.748	0.20	5	0	75.0	40 - 125				
Pentachlorophenol	3.954	0.20	5	0	79.1	19 - 121				
Phenanthrene	3.651	0.10	5	0	73.0	45 - 121				
Phenol	3.402	0.20	5	0	68.0	20 - 124				
Pyrene	3.803	0.10	5	0	76.1	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.799*	*0.20*	*5*	*0*	*76.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.767*	*0.20*	*5*	*0*	*75.3*	*40 - 125*				
Surr: 2-Fluorophenol	*2.988*	*0.20*	*5*	*0*	*59.8*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.891*	*0.20*	*5*	*0*	*77.8*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.032*	*0.20*	*5*	*0*	*60.6*	*41 - 120*				
Surr: Phenol-d6	*3.147*	*0.20*	*5*	*0*	*62.9*	*20 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198033 (0) **Instrument: SV-8** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-198033** Units: **ug/L** Analysis Date: **02-Aug-2023 14:20**
Client ID: Run ID: **SV-8_443407** SeqNo: **7477727** PrepDate: **25-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.64	0.20	5	0	72.8	39 - 127	3.65	0.284	20	
2,4-Dimethylphenol	3.587	0.20	5	0	71.7	35 - 120	3.58	0.192	20	
2,4-Dinitrotoluene	4.041	0.20	5	0	80.8	50 - 122	4.117	1.85	20	
2,6-Dinitrotoluene	3.883	0.20	5	0	77.7	50 - 120	3.881	0.0571	20	
2-Chloronaphthalene	4.032	0.20	5	0	80.6	50 - 120	4.219	4.52	20	
2-Methylnaphthalene	3.798	0.10	5	0	76.0	50 - 120	3.714	2.23	20	
4,6-Dinitro-2-methylphenol	4.442	1.0	5	0	88.8	25 - 121	4.328	2.6	30	
4-Nitrophenol	4.124	1.0	5	0	82.5	30 - 130	4.312	4.45	20	
Acenaphthene	3.454	0.10	5	0	69.1	45 - 120	3.478	0.704	20	
Acenaphthylene	3.652	0.10	5	0	73.0	47 - 120	3.685	0.915	20	
Anthracene	3.839	0.10	5	0	76.8	45 - 120	3.828	0.294	20	
Benz(a)anthracene	3.883	0.10	5	0	77.7	40 - 120	4.021	3.49	20	
Benzo(a)pyrene	4.188	0.10	5	0	83.8	45 - 120	4.297	2.57	20	
Bis(2-chloroethoxy)methane	3.431	0.20	5	0	68.6	45 - 120	3.398	0.979	20	
Bis(2-ethylhexyl)phthalate	3.632	0.20	5	0	72.6	40 - 139	3.745	3.06	20	
Chrysene	3.89	0.10	5	0	77.8	43 - 120	3.934	1.12	20	
Dibenzofuran	3.734	0.10	5	0	74.7	50 - 120	3.833	2.62	20	
Di-n-butyl phthalate	3.827	0.20	5	0	76.5	45 - 123	3.837	0.264	20	
Fluoranthene	4.033	0.10	5	0	80.7	45 - 125	4.077	1.08	20	
Fluorene	3.823	0.10	5	0	76.5	49 - 120	3.888	1.69	20	
Naphthalene	3.634	0.10	5	0	72.7	45 - 120	3.594	1.09	20	
Nitrobenzene	3.319	0.20	5	0	66.4	44 - 120	3.226	2.83	20	
N-Nitrosodiphenylamine	3.752	0.20	5	0	75.0	40 - 125	3.748	0.106	20	
Pentachlorophenol	4.003	0.20	5	0	80.1	19 - 121	3.954	1.23	20	
Phenanthrene	3.819	0.10	5	0	76.4	45 - 121	3.651	4.51	20	
Phenol	3.38	0.20	5	0	67.6	20 - 124	3.402	0.657	20	
Pyrene	3.657	0.10	5	0	73.1	40 - 130	3.803	3.93	20	
Surr: 2,4,6-Tribromophenol	*3.738*	*0.20*	*5*	*0*	*74.8*	*34 - 129*	*3.799*	*1.61*	*20*	
Surr: 2-Fluorobiphenyl	*3.711*	*0.20*	*5*	*0*	*74.2*	*40 - 125*	*3.767*	*1.51*	*20*	
Surr: 2-Fluorophenol	*2.907*	*0.20*	*5*	*0*	*58.1*	*20 - 120*	*2.988*	*2.75*	*20*	
Surr: 4-Terphenyl-d14	*3.828*	*0.20*	*5*	*0*	*76.6*	*40 - 135*	*3.891*	*1.62*	*20*	
Surr: Nitrobenzene-d5	*3.445*	*0.20*	*5*	*0*	*68.9*	*41 - 120*	*3.032*	*12.7*	*20*	
Surr: Phenol-d6	*3.085*	*0.20*	*5*	*0*	*61.7*	*20 - 120*	*3.147*	*2*	*20*	

The following samples were analyzed in this batch: HS23071331-01 HS23071331-02 HS23071331-03 HS23071331-04 HS23071331-05 HS23071331-06

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198122 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-198122** Units: **ug/L** Analysis Date: **31-Jul-2023 14:29**
Client ID: Run ID: **SV-7_442783** SeqNo: **7462553** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	< 0.021	0.20								
2,4-Dimethylphenol	< 0.040	0.20								
2,4-Dinitrotoluene	< 0.058	0.20								
2,6-Dinitrotoluene	< 0.042	0.20								
2-Chloronaphthalene	< 0.021	0.20								
2-Methylnaphthalene	< 0.019	0.10								
4,6-Dinitro-2-methylphenol	< 0.020	1.0								
4-Nitrophenol	< 0.047	1.0								
Acenaphthene	< 0.027	0.10								
Acenaphthylene	< 0.015	0.10								
Anthracene	< 0.014	0.10								
Benz(a)anthracene	< 0.050	0.10								
Benzo(a)pyrene	< 0.020	0.10								
Bis(2-chloroethoxy)methane	< 0.030	0.20								
Bis(2-ethylhexyl)phthalate	< 0.037	0.20								
Chrysene	< 0.021	0.10								
Dibenzofuran	< 0.020	0.10								
Di-n-butyl phthalate	< 0.020	0.20								
Fluoranthene	< 0.010	0.10								
Fluorene	< 0.030	0.10								
Naphthalene	< 0.020	0.10								
Nitrobenzene	< 0.024	0.20								
N-Nitrosodiphenylamine	< 0.025	0.20								
Pentachlorophenol	< 0.079	0.20								
Phenanthrene	< 0.021	0.10								
Phenol	< 0.035	0.20								
Pyrene	< 0.019	0.10								
Surr: 2,4,6-Tribromophenol	*4.074*	*0.20*	*5*	*0*	*81.5*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.933*	*0.20*	*5*	*0*	*78.7*	*40 - 125*				
Surr: 2-Fluorophenol	*3.19*	*0.20*	*5*	*0*	*63.8*	*20 - 120*				
Surr: 4-Terphenyl-d14	*5.528*	*0.20*	*5*	*0*	*111*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.539*	*0.20*	*5*	*0*	*70.8*	*41 - 120*				
Surr: Phenol-d6	*3.295*	*0.20*	*5*	*0*	*65.9*	*20 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198122 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-198122** Units: **ug/L** Analysis Date: **31-Jul-2023 14:50**
Client ID: Run ID: **SV-7_442783** SeqNo: **7462554** PrepDate: **26-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.524	0.20	5	0	70.5	39 - 127				
2,4-Dimethylphenol	2.874	0.20	5	0	57.5	35 - 120				
2,4-Dinitrotoluene	3.415	0.20	5	0	68.3	50 - 122				
2,6-Dinitrotoluene	3.156	0.20	5	0	63.1	50 - 120				
2-Chloronaphthalene	3.102	0.20	5	0	62.0	50 - 120				
2-Methylnaphthalene	3.049	0.10	5	0	61.0	50 - 120				
4,6-Dinitro-2-methylphenol	2.745	1.0	5	0	54.9	25 - 121				
4-Nitrophenol	3.083	1.0	5	0	61.7	30 - 130				
Acenaphthene	2.9	0.10	5	0	58.0	45 - 120				
Acenaphthylene	2.96	0.10	5	0	59.2	47 - 120				
Anthracene	3.14	0.10	5	0	62.8	45 - 120				
Benz(a)anthracene	3.512	0.10	5	0	70.2	40 - 120				
Benzo(a)pyrene	3.757	0.10	5	0	75.1	45 - 120				
Bis(2-chloroethoxy)methane	3.127	0.20	5	0	62.5	45 - 120				
Bis(2-ethylhexyl)phthalate	3.434	0.20	5	0	68.7	40 - 139				
Chrysene	3.736	0.10	5	0	74.7	43 - 120				
Dibenzofuran	3.088	0.10	5	0	61.8	50 - 120				
Di-n-butyl phthalate	3.59	0.20	5	0	71.8	45 - 123				
Fluoranthene	3.446	0.10	5	0	68.9	45 - 125				
Fluorene	3.103	0.10	5	0	62.1	49 - 120				
Naphthalene	2.93	0.10	5	0	58.6	45 - 120				
Nitrobenzene	3.049	0.20	5	0	61.0	44 - 120				
N-Nitrosodiphenylamine	3.174	0.20	5	0	63.5	40 - 125				
Pentachlorophenol	4.172	0.20	5	0	83.4	19 - 121				
Phenanthrene	3.116	0.10	5	0	62.3	45 - 121				
Phenol	2.907	0.20	5	0	58.1	20 - 124				
Pyrene	3.321	0.10	5	0	66.4	40 - 130				
Surr: 2,4,6-Tribromophenol	*3.202*	*0.20*	*5*	*0*	*64.0*	*34 - 129*				
Surr: 2-Fluorobiphenyl	*3.114*	*0.20*	*5*	*0*	*62.3*	*40 - 125*				
Surr: 2-Fluorophenol	*2.615*	*0.20*	*5*	*0*	*52.3*	*20 - 120*				
Surr: 4-Terphenyl-d14	*3.939*	*0.20*	*5*	*0*	*78.8*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.298*	*0.20*	*5*	*0*	*66.0*	*41 - 120*				
Surr: Phenol-d6	*2.856*	*0.20*	*5*	*0*	*57.1*	*20 - 120*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198122 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-198122** Units: **ug/L** Analysis Date: **31-Jul-2023 15:12**
Client ID: Run ID: **SV-7_442783** SeqNo: **7462555** PrepDate: **26-Jul-2023** 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	3.524	4.54	20	
2,4-Dimethylphenol	2.911	0.20	5	0	58.2	35 - 120	2.874	1.26	20	
2,4-Dinitrotoluene	3.631	0.20	5	0	72.6	50 - 122	3.415	6.13	20	
2,6-Dinitrotoluene	3.289	0.20	5	0	65.8	50 - 120	3.156	4.15	20	
2-Chloronaphthalene	3.781	0.20	5	0	75.6	50 - 120	3.102	19.7	20	
2-Methylnaphthalene	3.041	0.10	5	0	60.8	50 - 120	3.049	0.237	20	
4,6-Dinitro-2-methylphenol	3.361	1.0	5	0	67.2	25 - 121	2.745	20.2	30	
4-Nitrophenol	3.23	1.0	5	0	64.6	30 - 130	3.083	4.67	20	
Acenaphthene	2.965	0.10	5	0	59.3	45 - 120	2.9	2.21	20	
Acenaphthylene	3.035	0.10	5	0	60.7	47 - 120	2.96	2.53	20	
Anthracene	3.123	0.10	5	0	62.5	45 - 120	3.14	0.535	20	
Benz(a)anthracene	3.835	0.10	5	0	76.7	40 - 120	3.512	8.79	20	
Benzo(a)pyrene	3.962	0.10	5	0	79.2	45 - 120	3.757	5.32	20	
Bis(2-chloroethoxy)methane	3.164	0.20	5	0	63.3	45 - 120	3.127	1.18	20	
Bis(2-ethylhexyl)phthalate	3.489	0.20	5	0	69.8	40 - 139	3.434	1.57	20	
Chrysene	3.652	0.10	5	0	73.0	43 - 120	3.736	2.27	20	
Dibenzofuran	3.147	0.10	5	0	62.9	50 - 120	3.088	1.89	20	
Di-n-butyl phthalate	3.64	0.20	5	0	72.8	45 - 123	3.59	1.39	20	
Fluoranthene	3.473	0.10	5	0	69.5	45 - 125	3.446	0.765	20	
Fluorene	3.208	0.10	5	0	64.2	49 - 120	3.103	3.33	20	
Naphthalene	2.929	0.10	5	0	58.6	45 - 120	2.93	0.0446	20	
Nitrobenzene	3.072	0.20	5	0	61.4	44 - 120	3.049	0.756	20	
N-Nitrosodiphenylamine	3.126	0.20	5	0	62.5	40 - 125	3.174	1.53	20	
Pentachlorophenol	4.234	0.20	5	0	84.7	19 - 121	4.172	1.48	20	
Phenanthrene	3.131	0.10	5	0	62.6	45 - 121	3.116	0.477	20	
Phenol	3.055	0.20	5	0	61.1	20 - 124	2.907	4.96	20	
Pyrene	3.21	0.10	5	0	64.2	40 - 130	3.321	3.4	20	
Surr: 2,4,6-Tribromophenol	*3.338*	*0.20*	*5*	*0*	*66.8*	*34 - 129*	*3.202*	*4.15*	*20*	
Surr: 2-Fluorobiphenyl	*3.214*	*0.20*	*5*	*0*	*64.3*	*40 - 125*	*3.114*	*3.16*	*20*	
Surr: 2-Fluorophenol	*2.788*	*0.20*	*5*	*0*	*55.8*	*20 - 120*	*2.615*	*6.4*	*20*	
Surr: 4-Terphenyl-d14	*3.837*	*0.20*	*5*	*0*	*76.7*	*40 - 135*	*3.939*	*2.63*	*20*	
Surr: Nitrobenzene-d5	*3.267*	*0.20*	*5*	*0*	*65.3*	*41 - 120*	*3.298*	*0.934*	*20*	
Surr: Phenol-d6	*2.953*	*0.20*	*5*	*0*	*59.1*	*20 - 120*	*2.856*	*3.35*	*20*	

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: 198122 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

The following samples were analyzed in this batch:

HS23071331-07	HS23071331-08	HS23071331-09	HS23071331-10
HS23071331-11	HS23071331-12	HS23071331-13	HS23071331-14
HS23071331-15	HS23071331-16		

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442448 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230726** Units: **ug/L** Analysis Date: **26-Jul-2023 17:11**
Client ID: Run ID: **VOA11_442448** SeqNo: **7454121** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*50.34*	*1.0*	*50*	*0*	*101*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.65*	*1.0*	*50*	*0*	*97.3*	*77 - 113*				
Surr: Dibromofluoromethane	*48.34*	*1.0*	*50*	*0*	*96.7*	*73 - 126*				
Surr: Toluene-d8	*51.82*	*1.0*	*50*	*0*	*104*	*81 - 120*				

LCS Sample ID: **VLCSW-230726** Units: **ug/L** Analysis Date: **26-Jul-2023 16:29**
Client ID: Run ID: **VOA11_442448** SeqNo: **7454120** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	19.94	1.0	20	0	99.7	70 - 124				
Benzene	17.72	1.0	20	0	88.6	74 - 120				
Chlorobenzene	19.01	1.0	20	0	95.0	76 - 113				
Ethylbenzene	18.57	1.0	20	0	92.9	77 - 117				
Methylene chloride	20.19	2.0	20	0	101	70 - 127				
Toluene	19.8	1.0	20	0	99.0	77 - 118				
Xylenes, Total	57	3.0	60	0	95.0	75 - 122				
Surr: 1,2-Dichloroethane-d4	*49.29*	*1.0*	*50*	*0*	*98.6*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.5*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*48.02*	*1.0*	*50*	*0*	*96.0*	*73 - 126*				
Surr: Toluene-d8	*49.92*	*1.0*	*50*	*0*	*99.8*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442448 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS23071331-01MS** Units: **ug/L** Analysis Date: **26-Jul-2023 18:14**
Client ID: **WG-1620-MW83C-20230718** Run ID: **VOA11_442448** SeqNo: **7454124** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.45	1.0	20	0	92.3	70 - 127				
Benzene	16.86	1.0	20	0	84.3	70 - 127				
Chlorobenzene	18.46	1.0	20	0	92.3	70 - 114				
Ethylbenzene	17.02	1.0	20	0	85.1	70 - 124				
Methylene chloride	17.48	2.0	20	0	87.4	70 - 128				
Toluene	18.22	1.0	20	0	91.1	70 - 123				
Xylenes, Total	51.16	3.0	60	0	85.3	70 - 130				
Surr: 1,2-Dichloroethane-d4	*49.48*	*1.0*	*50*	*0*	*99.0*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.57*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*48.38*	*1.0*	*50*	*0*	*96.8*	*77 - 123*				
Surr: Toluene-d8	*52.25*	*1.0*	*50*	*0*	*105*	*82 - 127*				

MSD Sample ID: **HS23071331-01MSD** Units: **ug/L** Analysis Date: **26-Jul-2023 18:35**
Client ID: **WG-1620-MW83C-20230718** Run ID: **VOA11_442448** SeqNo: **7454125** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	17.01	1.0	20	0	85.0	70 - 127	18.45	8.14	20	
Benzene	15.37	1.0	20	0	76.8	70 - 127	16.86	9.23	20	
Chlorobenzene	16.65	1.0	20	0	83.2	70 - 114	18.46	10.3	20	
Ethylbenzene	15.42	1.0	20	0	77.1	70 - 124	17.02	9.86	20	
Methylene chloride	15.28	2.0	20	0	76.4	70 - 128	17.48	13.4	20	
Toluene	17.25	1.0	20	0	86.3	70 - 123	18.22	5.44	20	
Xylenes, Total	48.6	3.0	60	0	81.0	70 - 130	51.16	5.14	20	
Surr: 1,2-Dichloroethane-d4	*51.17*	*1.0*	*50*	*0*	*102*	*70 - 126*	*49.48*	*3.36*	*20*	
Surr: 4-Bromofluorobenzene	*49.93*	*1.0*	*50*	*0*	*99.9*	*77 - 113*	*50.57*	*1.28*	*20*	
Surr: Dibromofluoromethane	*49.62*	*1.0*	*50*	*0*	*99.2*	*77 - 123*	*48.38*	*2.53*	*20*	
Surr: Toluene-d8	*51.02*	*1.0*	*50*	*0*	*102*	*82 - 127*	*52.25*	*2.39*	*20*	

The following samples were analyzed in this batch:

HS23071331-01	HS23071331-02	HS23071331-03	HS23071331-04
HS23071331-05	HS23071331-06	HS23071331-07	HS23071331-08
HS23071331-09	HS23071331-10	HS23071331-11	HS23071331-12
HS23071331-13	HS23071331-14	HS23071331-15	HS23071331-16

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442461 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230726** Units: **ug/L** Analysis Date: **27-Jul-2023 02:39**
Client ID: Run ID: **VOA11_442461** SeqNo: **7454484** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	< 0.20	1.0								
Benzene	< 0.20	1.0								
Chlorobenzene	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*57.24*	*1.0*	*50*	*0*	*114*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.66*	*1.0*	*50*	*0*	*99.3*	*77 - 113*				
Surr: Dibromofluoromethane	*51.1*	*1.0*	*50*	*0*	*102*	*73 - 126*				
Surr: Toluene-d8	*53.2*	*1.0*	*50*	*0*	*106*	*81 - 120*				

LCS Sample ID: **VLCSW-230726** Units: **ug/L** Analysis Date: **27-Jul-2023 01:57**
Client ID: Run ID: **VOA11_442461** SeqNo: **7454483** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	22.43	1.0	20	0	112	70 - 124				
Benzene	18.97	1.0	20	0	94.8	74 - 120				
Chlorobenzene	18.96	1.0	20	0	94.8	76 - 113				
Ethylbenzene	18.05	1.0	20	0	90.3	77 - 117				
Methylene chloride	20.11	2.0	20	0	101	70 - 127				
Toluene	20.11	1.0	20	0	101	77 - 118				
Xylenes, Total	55.71	3.0	60	0	92.9	75 - 122				
Surr: 1,2-Dichloroethane-d4	*56.15*	*1.0*	*50*	*0*	*112*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.1*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*50.97*	*1.0*	*50*	*0*	*102*	*73 - 126*				
Surr: Toluene-d8	*51.96*	*1.0*	*50*	*0*	*104*	*81 - 120*				

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442461 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS23071416-01MS** Units: **ug/L** Analysis Date: **27-Jul-2023 04:24**
Client ID: Run ID: **VOA11_442461** SeqNo: **7454489** 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 - 127				
Benzene	15.55	1.0	20	0	77.7	70 - 127				
Chlorobenzene	16.8	1.0	20	0	84.0	70 - 114				
Ethylbenzene	15.69	1.0	20	0	78.4	70 - 124				
Methylene chloride	18.75	2.0	20	0	93.8	70 - 128				
Toluene	17.75	1.0	20	0	88.7	70 - 123				
Xylenes, Total	46.81	3.0	60	0	78.0	70 - 130				
Surr: 1,2-Dichloroethane-d4	*56.2*	*1.0*	*50*	*0*	*112*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.24*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*50.81*	*1.0*	*50*	*0*	*102*	*77 - 123*				
Surr: Toluene-d8	*51.92*	*1.0*	*50*	*0*	*104*	*82 - 127*				

MSD Sample ID: **HS23071416-01MSD** Units: **ug/L** Analysis Date: **27-Jul-2023 04:45**
Client ID: Run ID: **VOA11_442461** SeqNo: **7454490** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	18.53	1.0	20	0	92.6	70 - 127	18.23	1.59	20	
Benzene	16.02	1.0	20	0	80.1	70 - 127	15.55	2.99	20	
Chlorobenzene	16.08	1.0	20	0	80.4	70 - 114	16.8	4.37	20	
Ethylbenzene	15.36	1.0	20	0	76.8	70 - 124	15.69	2.13	20	
Methylene chloride	18.01	2.0	20	0	90.1	70 - 128	18.75	4.04	20	
Toluene	17.43	1.0	20	0	87.2	70 - 123	17.75	1.8	20	
Xylenes, Total	46.53	3.0	60	0	77.6	70 - 130	46.81	0.601	20	
Surr: 1,2-Dichloroethane-d4	*55.08*	*1.0*	*50*	*0*	*110*	*70 - 126*	*56.2*	*2.01*	*20*	
Surr: 4-Bromofluorobenzene	*51.98*	*1.0*	*50*	*0*	*104*	*77 - 113*	*50.24*	*3.41*	*20*	
Surr: Dibromofluoromethane	*51.95*	*1.0*	*50*	*0*	*104*	*77 - 123*	*50.81*	*2.21*	*20*	
Surr: Toluene-d8	*52.27*	*1.0*	*50*	*0*	*105*	*82 - 127*	*51.92*	*0.672*	*20*	

The following samples were analyzed in this batch: HS23071331-17

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442566 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230727** Units: **ug/L** Analysis Date: **27-Jul-2023 12:50**
Client ID: Run ID: **VOA11_442566** SeqNo: **7457108** 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								
Ethylbenzene	< 0.30	1.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*58.97*	*1.0*	*50*	*0*	*118*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*55.04*	*1.0*	*50*	*0*	*110*	*77 - 113*				
Surr: Dibromofluoromethane	*50.13*	*1.0*	*50*	*0*	*100*	*73 - 126*				
Surr: Toluene-d8	*53.73*	*1.0*	*50*	*0*	*107*	*81 - 120*				

LCS Sample ID: **VLCSW-230727** Units: **ug/L** Analysis Date: **27-Jul-2023 12:08**
Client ID: Run ID: **VOA11_442566** SeqNo: **7457107** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.24	1.0	20	0	91.2	74 - 120				
Ethylbenzene	18.54	1.0	20	0	92.7	77 - 117				
Toluene	20.3	1.0	20	0	102	77 - 118				
Xylenes, Total	57.45	3.0	60	0	95.7	75 - 122				
Surr: 1,2-Dichloroethane-d4	*57.62*	*1.0*	*50*	*0*	*115*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*54.58*	*1.0*	*50*	*0*	*109*	*77 - 113*				
Surr: Dibromofluoromethane	*50.27*	*1.0*	*50*	*0*	*101*	*73 - 126*				
Surr: Toluene-d8	*53.25*	*1.0*	*50*	*0*	*107*	*81 - 120*				

MS Sample ID: **HS23071204-01MS** Units: **ug/L** Analysis Date: **27-Jul-2023 13:53**
Client ID: Run ID: **VOA11_442566** SeqNo: **7457110** PrepDate: DF: **20**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	339.7	20	400	0	84.9	70 - 127				
Ethylbenzene	339.3	20	400	0	84.8	70 - 124				
Toluene	392.6	20	400	0	98.2	70 - 123				
Xylenes, Total	1045	60	1200	0	87.1	70 - 130				
Surr: 1,2-Dichloroethane-d4	*1129*	*20*	*1000*	*0*	*113*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*1099*	*20*	*1000*	*0*	*110*	*77 - 113*				
Surr: Dibromofluoromethane	*984.4*	*20*	*1000*	*0*	*98.4*	*77 - 123*				
Surr: Toluene-d8	*1024*	*20*	*1000*	*0*	*102*	*82 - 127*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442566 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS23071204-01MSD** Units: **ug/L** Analysis Date: **27-Jul-2023 14:14**
Client ID: Run ID: **VOA11_442566** SeqNo: **7457111** PrepDate: DF: **20**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	302.6	20	400	0	75.6	70 - 127	339.7	11.6	20	
Ethylbenzene	326.5	20	400	0	81.6	70 - 124	339.3	3.83	20	
Toluene	355.4	20	400	0	88.8	70 - 123	392.6	9.95	20	
Xylenes, Total	978.9	60	1200	0	81.6	70 - 130	1045	6.56	20	
Surr: 1,2-Dichloroethane-d4	*1164*	*20*	*1000*	*0*	*116*	*70 - 126*	*1129*	*3.08*	*20*	
Surr: 4-Bromofluorobenzene	*1073*	*20*	*1000*	*0*	*107*	*77 - 113*	*1099*	*2.43*	*20*	
Surr: Dibromofluoromethane	*982.1*	*20*	*1000*	*0*	*98.2*	*77 - 123*	*984.4*	*0.236*	*20*	
Surr: Toluene-d8	*1074*	*20*	*1000*	*0*	*107*	*82 - 127*	*1024*	*4.7*	*20*	

The following samples were analyzed in this batch: HS23071331-08 HS23071331-14

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442568 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-230727** Units: **ug/L** Analysis Date: **28-Jul-2023 01:48**
Client ID: Run ID: **VOA11_442568** SeqNo: **7457205** 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								
Ethylbenzene	< 0.30	1.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*52.42*	*1.0*	*50*	*0*	*105*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.17*	*1.0*	*50*	*0*	*96.3*	*77 - 113*				
Surr: Dibromofluoromethane	*46.54*	*1.0*	*50*	*0*	*93.1*	*73 - 126*				
Surr: Toluene-d8	*51.79*	*1.0*	*50*	*0*	*104*	*81 - 120*				

LCS Sample ID: **VLCSW-230727** Units: **ug/L** Analysis Date: **28-Jul-2023 01:06**
Client ID: Run ID: **VOA11_442568** SeqNo: **7457204** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.83	1.0	20	0	99.1	74 - 120				
Ethylbenzene	18.96	1.0	20	0	94.8	77 - 117				
Toluene	19.43	1.0	20	0	97.1	77 - 118				
Xylenes, Total	54.82	3.0	60	0	91.4	75 - 122				
Surr: 1,2-Dichloroethane-d4	*49.6*	*1.0*	*50*	*0*	*99.2*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.04*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*48.03*	*1.0*	*50*	*0*	*96.1*	*73 - 126*				
Surr: Toluene-d8	*50.71*	*1.0*	*50*	*0*	*101*	*81 - 120*				

MS Sample ID: **HS23071527-06MS** Units: **ug/L** Analysis Date: **28-Jul-2023 03:33**
Client ID: Run ID: **VOA11_442568** SeqNo: **7457210** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	16.72	1.0	20	0	83.6	70 - 127				
Ethylbenzene	16.53	1.0	20	0	82.6	70 - 124				
Toluene	17.5	1.0	20	0	87.5	70 - 123				
Xylenes, Total	48.53	3.0	60	0	80.9	70 - 130				
Surr: 1,2-Dichloroethane-d4	*51.06*	*1.0*	*50*	*0*	*102*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*50.74*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*48.9*	*1.0*	*50*	*0*	*97.8*	*77 - 123*				
Surr: Toluene-d8	*51.16*	*1.0*	*50*	*0*	*102*	*82 - 127*				

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: HS23071331

QC BATCH REPORT

Batch ID: R442568 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS23071527-06MSD** Units: **ug/L** Analysis Date: **28-Jul-2023 03:54**
Client ID: Run ID: **VOA11_442568** SeqNo: **7457211** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	15.34	1.0	20	0	76.7	70 - 127	16.72	8.6	20	
Ethylbenzene	15	1.0	20	0	75.0	70 - 124	16.53	9.7	20	
Toluene	15.67	1.0	20	0	78.4	70 - 123	17.5	11	20	
Xylenes, Total	44.6	3.0	60	0	74.3	70 - 130	48.53	8.45	20	
Surr: 1,2-Dichloroethane-d4	*51.32*	*1.0*	*50*	*0*	*103*	*70 - 126*	*51.06*	*0.508*	*20*	
Surr: 4-Bromofluorobenzene	*49.53*	*1.0*	*50*	*0*	*99.1*	*77 - 113*	*50.74*	*2.41*	*20*	
Surr: Dibromofluoromethane	*47.84*	*1.0*	*50*	*0*	*95.7*	*77 - 123*	*48.9*	*2.2*	*20*	
Surr: Toluene-d8	*49.22*	*1.0*	*50*	*0*	*98.4*	*82 - 127*	*51.16*	*3.86*	*20*	

The following samples were analyzed in this batch: HS23071331-09

Revision: 1

Client: WSP Golder
Project: Houston TX-Wood Preserving Works 1620-02
WorkOrder: **HS23071331**

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	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23071331 **Date/Time Received:** **20-Jul-2023 10:55**

Client Name: PBW **Received by:** **Desmond Wacasey**

Completed By:	/S/ Nilesh D. Ranchod	23-Jul-2023 20:18	**Reviewed by:**	/S/ Bernadette A. Fini	24-Jul-2023 14:39
	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:295423/295422
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):	2.5C/2.4C,2.1C/2.0C,1.4C/1.3C,3.3C/3.2C UC/C	IR31
Cooler(s)/Kit(s):	50969/50527/50988/51433	
Date/Time sample(s) sent to storage:	07/20/2023 18:00	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes: Id Differ Chain = WG1620-MW-90A Labels = WG1620-MW-90B Logged per chain Date /Time Match

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 Forr

Page 1 of 2

COC ID: 295423

HS23071331

, WV

WSP Golder

Houston TX-Wood Preserving Works 1620-02

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@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-MW83C-20230718	7-18-23	1425	GW		6	X	X	X								
2	WG-1620-MW83B-20230718		1520	GW		6	X	X	X								
3	WG-1620-FD04-20230718		1520	GW		6	X	X	X								
4	WG-1620-MW35B-20230718		1615	GW		6	X	X	X								
5	WG-1620-MW35A-20230718		1705	GW		6	X	X	X								
6	WG-1620-FB08-20230718		1730	GW		6	X	X	X								
7	WG-1620-MW68A-20230719	7-19-23	0745	GW		6	X	X	X								
8	WG-1620-MW68B-20230719		0835	GW		6	X	X	X								
9	WG-1620-MW68C-20230719		0925	GW		6	X	X	X								
10	WG-1620-MW84B-20230719		1015	GW		6	X	X	X								

Sampler(s) Please Print & Sign: JOHN BRADY

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: 7-20-23	Time: 1055	Received by: DW 7/20/23 1055	Notes: Houston TX-Wood Preserving Works 1620-02	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	509609	2.5C
				505277	2.1C
				50988	1.4C
				51433	3.3C

QC Package: (Check One Box Below)

☐ Level II Std QC
☐ Level III Std QC/Raw Date
☐ 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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Chain of Custody Form

Page 2 of 2

COC ID: 295422

HS23071331

WSP Golder

Houston TX-Wood Preserving Works 1620-02

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	92688 - 1620-02	Project Name	Houston TX-Wood Preserving Works	A	8260_LL_W (Select list)
Work Order		Project Number	1620-02-Rev SR 92688	B	8270_LOW_W (Select List)
Company Name	WSP Golder	Bill To Company	Union Pacific Railroad- A/P	C	ICP_TW (ICP_WAs)
Send Report To	Michelle Hermiston	Invoice Attn	Accounts Payable	D	8260_LL_W (Select list + Vinyl Chloride)
Address	1601 S. MoPac Expressway Suite 325D	Address	1400 Douglas Street Stop 0750	E	
				F	
City/State/Zip	Austin, TX 78746	City/State/Zip	Omaha NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address	Michelle_Hermiston@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-MW84A-20230719	7-19-23	1225	GW		6	X	X	X								
2	WG-1620-MW90A-20230719		1320	GW		6	X	X	X								
3	WG-1620-MW92B-20230719		1415	GW		6	X	X	X								
4	WG-1620-MW63B-20230719		1510	GW		6	X	X	X								
5	WG-1620-MW22AR-20230719		1620	GW		6	X	X	X								
6	WG-1620-MW22BR-20230719		1715	GW		6	X	X	X								
7	WG-1620-TB05-20230719					2	X										
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JOHN FORAYTHON

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: 7-20-23	Time: 1055	Received by: DW	7/20/23	1055
Relinquished by:	Date:	Time:	Received by (Laboratory):		
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

Notes: Houston TX-Wood Preserving Works 1620-02

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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ATTACHMENT C

Mann-Kendall Trend Test Results

Table C-1
Mann-Kendall Results

Date Range		Location	Well	2-Methylnaphthalene	2,4-Dimethylphenol	Benzene	Dibenzofuran	Naphthalene	Comment
A-TZ Wells									
1/23/2018	7/10/2023	on-site	MW-03	S	ND	ND	NT	NT	
1/23/2018	7/10/2023	on-site	MW-04	NT	ND	ND	S	NT	
7/12/2011	7/10/2023	on-site	MW-05	NT	PI	ND	D	PD	
7/12/2011	7/10/2023	on-site	MW-09	NT	NT	ND	S	NT	
1/22/2009	7/12/2023	on-site	MW-12A	D	PD	D	S	D	
1/22/2009	7/13/2023	on-site	MW-13	NT	NT	ND	S	NT	
1/22/2009	7/11/2023	on-site	MW-15A	PD	PD	D	D	NT	
1/22/2009	7/11/2023	on-site	MW-17	D	S	S	D	D	
1/22/2009	7/12/2023	on-site	MW-18A	S	D	PD	S	D	
7/12/2011	7/11/2023	on-site	MW-20A	NT	D	D	D	PD	
1/22/2009	7/24/2023	on-site	MW-49A	D	D	D	D	PD	
1/22/2009	7/7/2023	on-site	MW-50A	NT	NT	ND	D	NT	
1/22/2009	7/7/2023	on-site	MW-51A	NT	ND	ND	NT	NT	
1/22/2009	7/12/2023	on-site	MW-57A	D	D	D	D	D	DNAPL Recovery Well
1/22/2009	7/12/2023	on-site	MW-58A	D	D	PD	D	PD	
1/22/2009	7/10/2023	on-site	MW-64A	NT	ND	S	NT	NT	
7/2/2014	7/10/2023	on-site	MW-77A	S	NT	S	S	S	
7/2/2014	7/10/2023	on-site	MW-78A	NT	S	PI	S	NT	DNAPL Recovery Well
8/28/2014	7/10/2023	on-site	MW-79A	D	PD	D	D	D	
1/7/2020	7/12/2023	on-site	MW-88A	NT	NT	ND	NT	NT	
1/7/2020	7/9/2023	on-site	MW-97A	NT	ND	ND	NT	NT	
1/7/2020	7/9/2023	on-site	MW-98A	ND	PD	S	S	S	
1/23/2018	7/19/2023	off-site	MW-22AR	ND	ND	ND	NT	NT	
1/22/2009	7/17/2023	off-site	MW-25A	NT	ND	ND	D	NT	
1/22/2009	7/20/2023	off-site	MW-26A	D	NT	D	D	NT	
1/23/2018	7/25/2023	off-site	MW-27A	NT	ND	ND	NT	NT	
1/22/2009	7/18/2023	off-site	MW-28A	NT	NT	ND	NT	NT	
1/30/2012	7/20/2023	off-site	MW-32AR	NT	D	D	D	NT	
1/22/2009	7/20/2023	off-site	MW-33A	D	D	D	D	D	
1/22/2009	7/18/2023	off-site	MW-35A	NT	NT	NT	NT	NT	
1/22/2009	7/20/2023	off-site	MW-36A	NT	ND	ND	NT	NT	
1/22/2009	7/20/2023	off-site	MW-38A	NT	ND	ND	NT	NT	
1/22/2009	7/24/2023	off-site	MW-44A	D	NT	D	D	D	
1/7/2020	7/17/2023	off-site	MW-47A	NT	PD	ND	ND	NT	
1/22/2009	7/25/2023	off-site	MW-59A	NT	NT	ND	NT	NT	
1/7/2020	7/17/2023	off-site	MW-60AR	NT	NT	ND	NT	PI	
1/22/2009	7/25/2023	off-site	MW-61A	PD	ND	ND	ND	NT	
5/29/2019	7/19/2023	off-site	MW-68A	D	NT	NT	NT	D	
6/22/2010	7/17/2023	off-site	MW-69A	NT	NT	NT	NT	NT	
1/7/2020	7/19/2023	off-site	MW-84A	ND	ND	ND	ND	NT	
1/7/2020	7/18/2023	off-site	MW-91A	NT	NT	ND	NT	NT	
1/7/2020	7/20/2023	off-site	MW-94A	ND	ND	ND	S	NT	
1/7/2020	7/21/2023	off-site	MW-95A	PI	PI	ND	NT	I	

Table C-1
Mann-Kendall Results

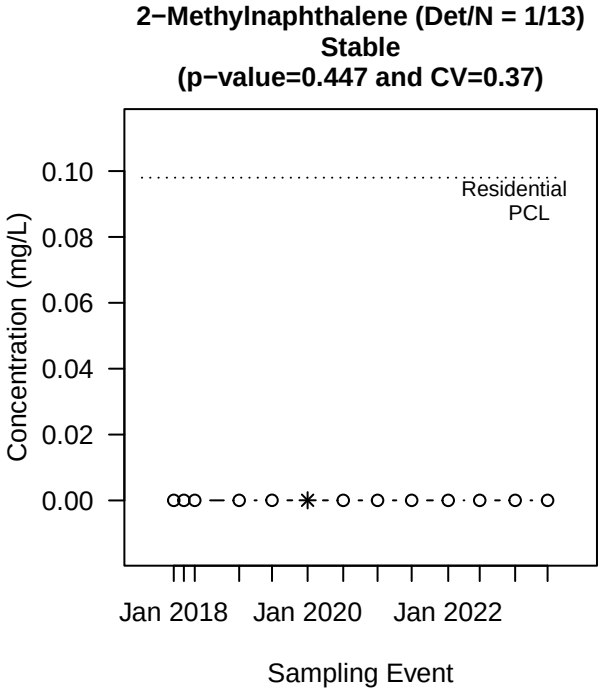
Date Range		Location	Well	2-Methylnaphthalene	2,4-Dimethylphenol	Benzene	Dibenzofuran	Naphthalene	Comment
B-CZ/B-TZ Wells									
1/7/2020	7/25/2023	on-site	MW-12B	NT	NT	PD	NT	NT	DNAPL Recovery Well
1/22/2009	7/11/2023	on-site	MW-14	D	NT	ND	D	D	
1/30/2012	7/11/2023	on-site	MW-15B	NT	ND	S	D	D	
1/22/2009	7/13/2023	on-site	MW-39B	NT	ND	ND	NT	NT	
1/22/2009	7/11/2023	on-site	MW-40B	D	D	D	D	D	
1/7/2020	7/25/2023	on-site	MW-41B	NT	PD	S	NT	NT	DNAPL Recovery Well
1/13/2010	7/11/2023	on-site	MW-42B	PD	NT	ND	D	PD	
1/22/2009	7/24/2023	on-site	MW-49B	I	I	I	I	I	DNAPL Recovery Well
1/7/2020	7/9/2023	on-site	MW-50B	NT	ND	NT	D	NT	
1/30/2012	7/13/2023	on-site	MW-57B	D	D	S	D	D	DNAPL Recovery Well
1/22/2009	7/10/2023	on-site	MW-62B	NT	NT	NT	NT	NT	
1/30/2012	7/24/2023	on-site	MW-74B	NT	D	D	NT	PD	DNAPL Recovery Well
1/30/2012	7/24/2023	on-site	MW-75B	NT	NT	D	NT	PD	DNAPL Recovery Well
1/7/2020	7/9/2023	on-site	MW-76B	NT	S	ND	S	D	
8/28/2014	7/7/2023	on-site	MW-80B	PD	NT	PD	NT	NT	
7/2/2014	7/7/2023	on-site	MW-81B	NT	NT	S	ND	NT	
1/7/2020	7/12/2023	on-site	MW-88B	NT	ND	ND	NT	NT	
1/7/2020	7/9/2023	on-site	MW-98B	NT	NT	ND	S	PD	
1/22/2009	7/11/2023	on-site	P-11	PI	ND	NT	NT	NT	
1/13/2010	7/13/2023	on-site	TW-41B	I	NT	I	I	I	
1/23/2018	7/19/2023	off-site	MW-22BR	D	NT	ND	D	D	
1/30/2012	7/20/2023	off-site	MW-32B	NT	S	PI	NT	NT	DNAPL Recovery Well
1/9/2013	7/20/2023	off-site	MW-33BR	NT	I	NT	NT	NT	
1/22/2009	7/18/2023	off-site	MW-35B	D	NT	NT	D	D	
6/22/2010	7/24/2023	off-site	MW-36B	NT	NT	D	NT	NT	
1/22/2009	7/19/2023	off-site	MW-38B	NT	NT	ND	NT	NT	
1/7/2020	7/21/2023	off-site	MW-54B	PD	ND	PD	PD	NT	
6/22/2010	7/14/2023	off-site	MW-59B	ND	NT	S	ND	S	
1/7/2020	7/17/2023	off-site	MW-60B	NT	ND	ND	NT	NT	
1/7/2020	7/25/2023	off-site	MW-61B	ND	ND	ND	ND	NT	
1/13/2010	7/19/2023	off-site	MW-63B	NT	NT	I	S	NT	
6/22/2010	7/24/2023	off-site	MW-67B	NT	NT	ND	S	NT	
1/30/2012	7/19/2023	off-site	MW-68B	PD	D	D	NT	D	DNAPL Recovery Well
7/10/2012	7/20/2023	off-site	MW-70B	NT	NT	NT	NT	NT	DNAPL Recovery Well
1/30/2012	7/20/2023	off-site	MW-71B	PD	NT	NT	NT	NT	
7/10/2012	7/13/2023	off-site	MW-72B	D	D	PD	D	D	
1/23/2018	7/18/2023	off-site	MW-82B	NT	ND	ND	NT	NT	
1/23/2018	7/18/2023	off-site	MW-83B	D	NT	D	D	D	
1/23/2018	7/19/2023	off-site	MW-84B	D	PD	D	D	D	
7/18/2018	7/18/2023	off-site	MW-89B	NT	ND	ND	NT	NT	
7/18/2018	7/19/2023	off-site	MW-90B	NT	NT	ND	NT	NT	
1/7/2020	7/19/2023	off-site	MW-92B	NT	ND	ND	NT	NT	
1/7/2020	7/18/2023	off-site	MW-93B	ND	ND	ND	PD	S	
1/7/2020	7/21/2023	off-site	MW-96B	PI	PI	ND	ND	I	

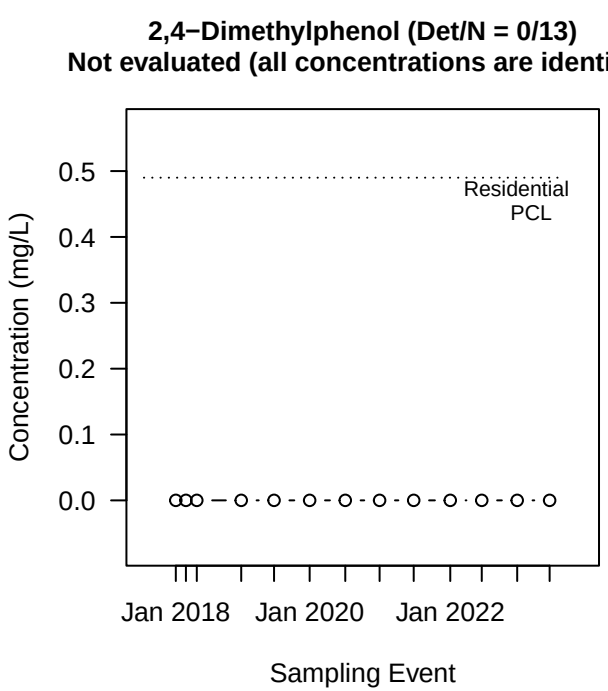
Table C-1
Mann-Kendall Results

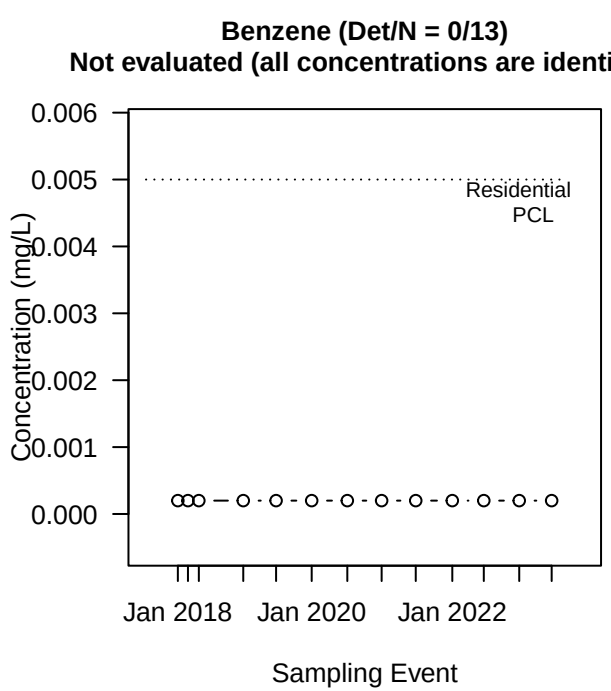
Date Range		Location	Well	2-Methylnaphthalene	2,4-Dimethylphenol	Benzene	Dibenzofuran	Naphthalene	Comment
C-TZ Wells									
1/22/2009	7/12/2023	on-site	MW-12C	S	PI	ND	NT	S	
1/22/2009	7/11/2023	on-site	MW-15C	NT	NT	D	D	NT	
1/22/2009	7/11/2023	on-site	MW-17C	D	PI	D	D	D	
1/22/2009	7/12/2023	on-site	MW-18C	D	NT	D	D	D	
1/22/2009	7/12/2023	on-site	MW-19C	D	NT	NT	PI	D	
1/22/2009	7/11/2023	on-site	MW-21C	NT	NT	ND	NT	NT	
1/22/2009	7/12/2023	on-site	MW-23C	D	I	S	D	NT	DNAPL Recovery Well
1/22/2009	7/17/2023	on-site	MW-47C	NT	NT	ND	NT	NT	
7/2/2014	7/7/2023	on-site	MW-51C	ND	NT	PD	NT	PD	
7/2/2014	7/9/2023	on-site	MW-76C	PD	NT	PD	D	PD	
1/23/2018	7/10/2023	on-site	MW-85C	NT	PI	D	NT	NT	
1/23/2018	7/12/2023	on-site	MW-88C	NT	ND	ND	S	NT	
1/13/2010	7/17/2023	off-site	MW-25C	D	NT	D	D	D	
1/22/2009	7/25/2023	off-site	MW-27C	NT	ND	ND	NT	D	
1/22/2009	7/18/2023	off-site	MW-28C	D	S	ND	NT	PD	
7/2/2014	7/24/2023	off-site	MW-34CR	NT	ND	NT	NT	NT	
7/12/2011	7/17/2023	off-site	MW-44C	NT	NT	NT	NT	NT	DNAPL Recovery Well
1/7/2020	7/24/2023	off-site	MW-45C	PI	NT	NT	NT	I	DNAPL Recovery Well
1/7/2020	7/17/2023	off-site	MW-46C	NT	NT	NT	NT	NT	DNAPL Recovery Well
1/22/2009	7/24/2023	off-site	MW-48C	NT	NT	ND	D	NT	
1/22/2009	7/17/2023	off-site	MW-53C	NT	ND	ND	NT	NT	
1/22/2009	7/17/2023	off-site	MW-54C	D	NT	ND	D	D	
6/22/2010	7/19/2023	off-site	MW-68C	NT	NT	D	PD	D	
1/7/2020	7/20/2023	off-site	MW-70C	PD	PD	D	NT	NT	
1/23/2018	7/18/2023	off-site	MW-83C	PD	NT	ND	PD	D	
1/23/2018	7/10/2023	off-site	MW-86C	S	S	ND	NT	NT	
1/23/2018	7/18/2023	off-site	MW-87C	D	ND	ND	NT	NT	
1/7/2020	7/21/2023	off-site	MW-99C	D	ND	ND	ND	NT	
D-TZ Wells									
6/22/2010	7/14/2023	off-site	MW-36D	NT	ND	PD	NT	NT	
1/22/2009	7/14/2023	off-site	MW-59D	PD	ND	S	PD	NT	
1/22/2009	7/14/2023	off-site	MW-65D	S	ND	S	S	NT	
1/22/2009	7/14/2023	off-site	MW-66D	NT	ND	ND	D	D	

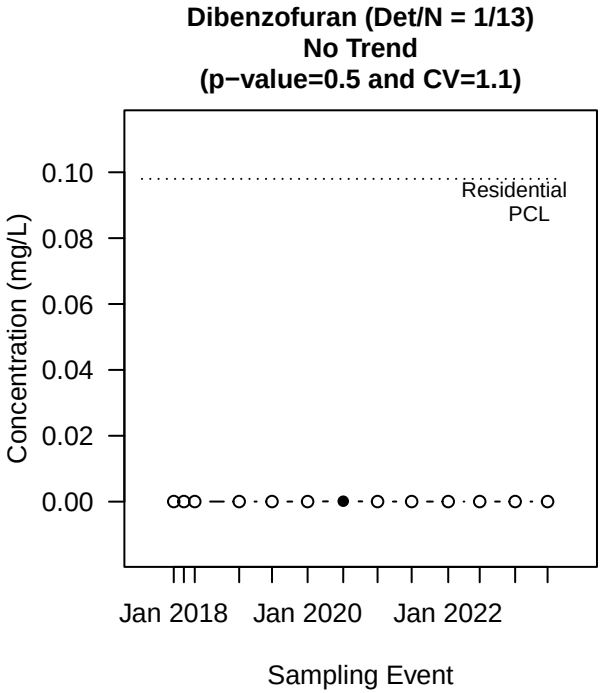
Notes:
Gray - concentrations in wells were below the Residential Assessment Level (RAL) for at least the last 4 years.
NT - No trend
ND - all Non-detects
D - Decreasing (green)
PD - Probably decreasing (yellow)
S - Stable (blue)
PI - Probably increasing (pink)
I - Increasing (red)

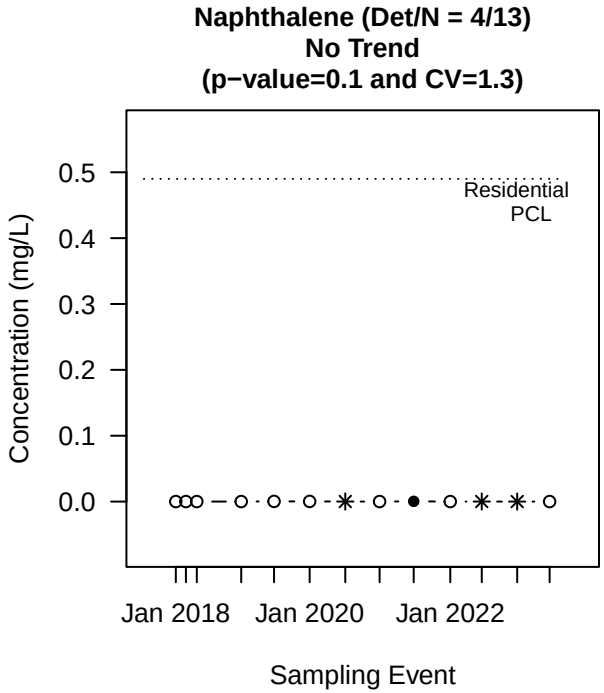
Mann−Kendall Trend Tests for MW−03

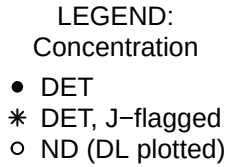






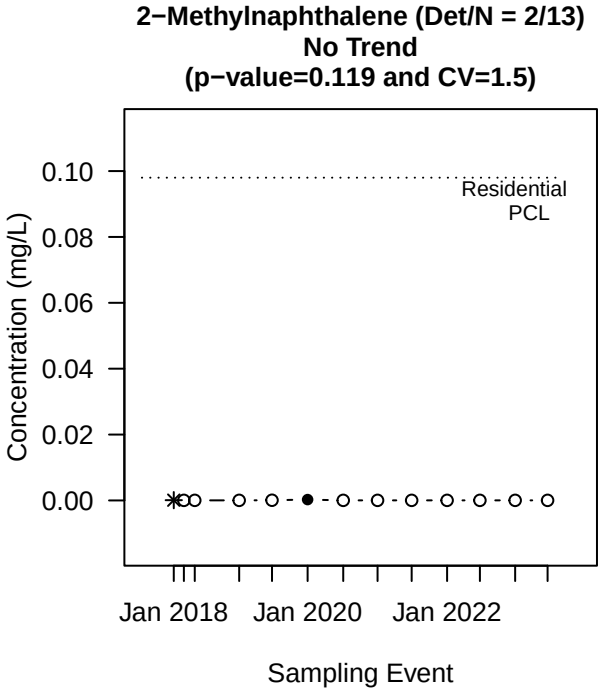


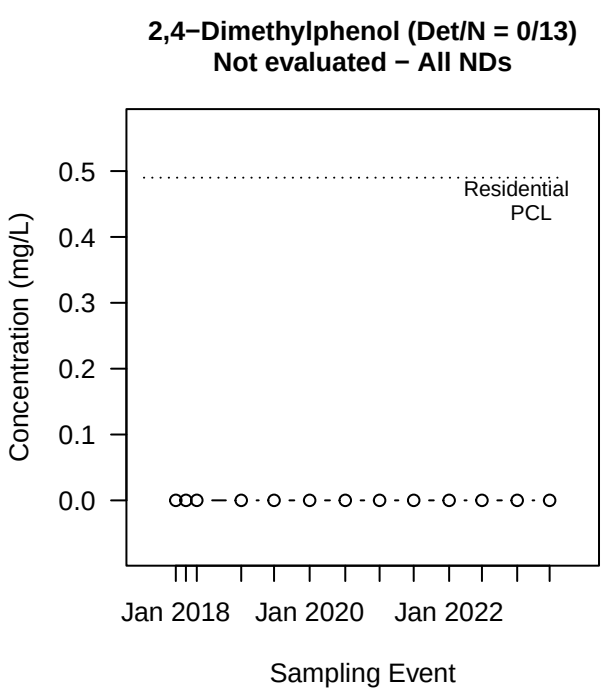


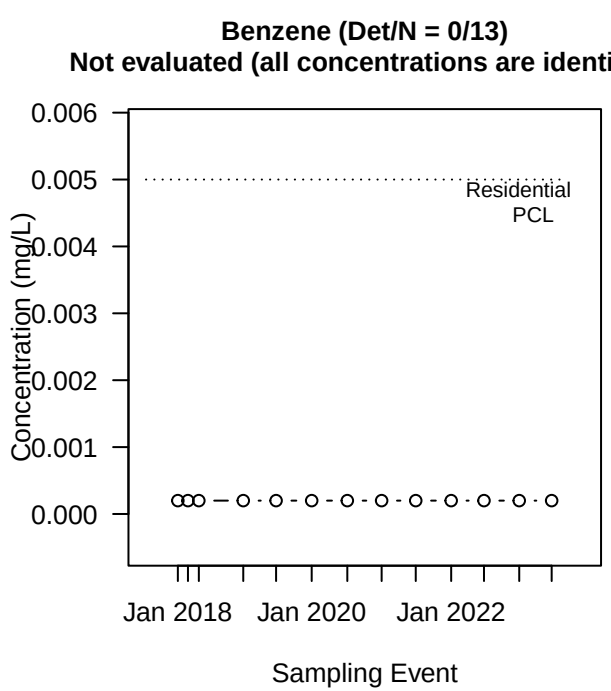


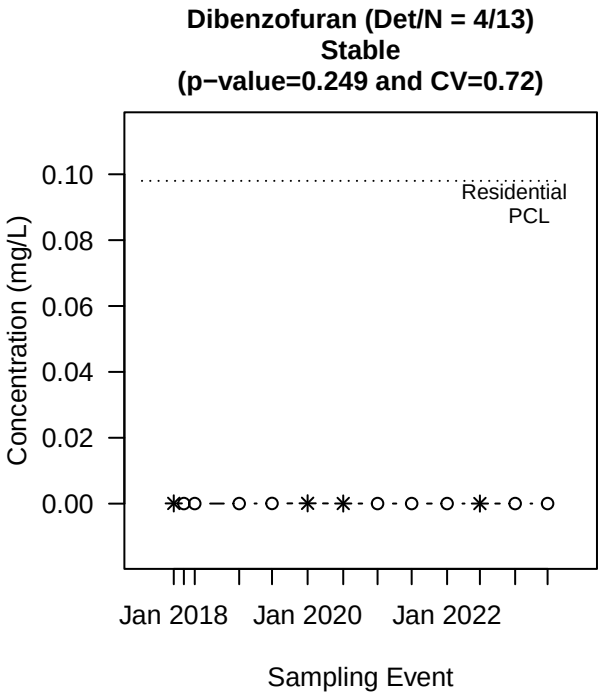
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

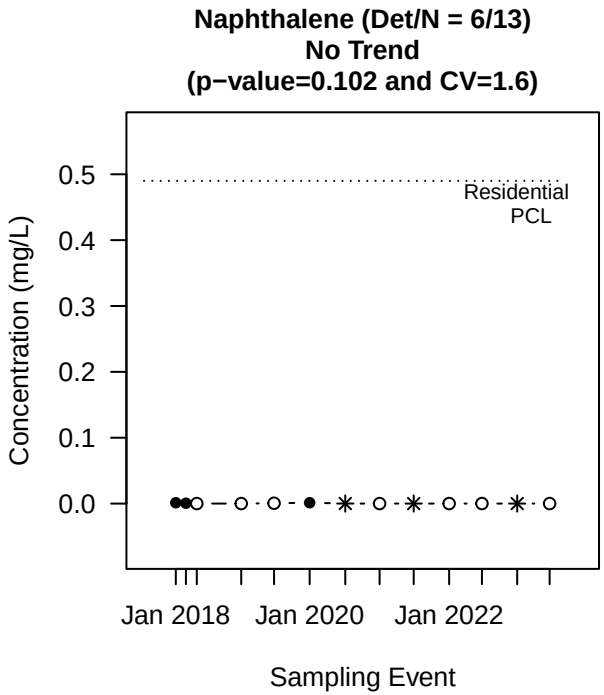
Mann−Kendall Trend Tests for MW−04

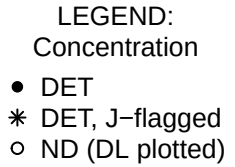






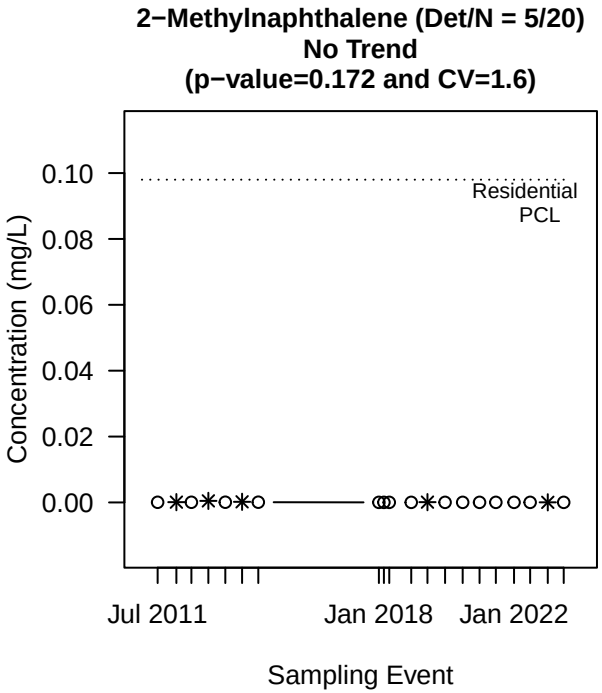


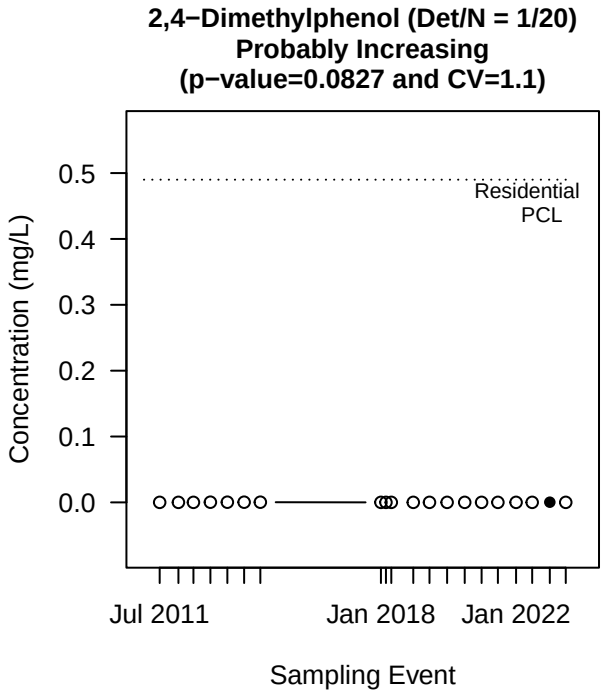


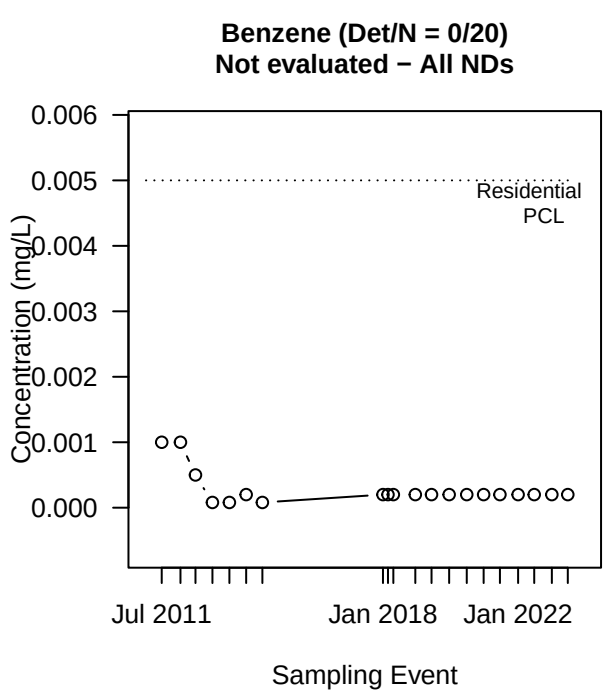


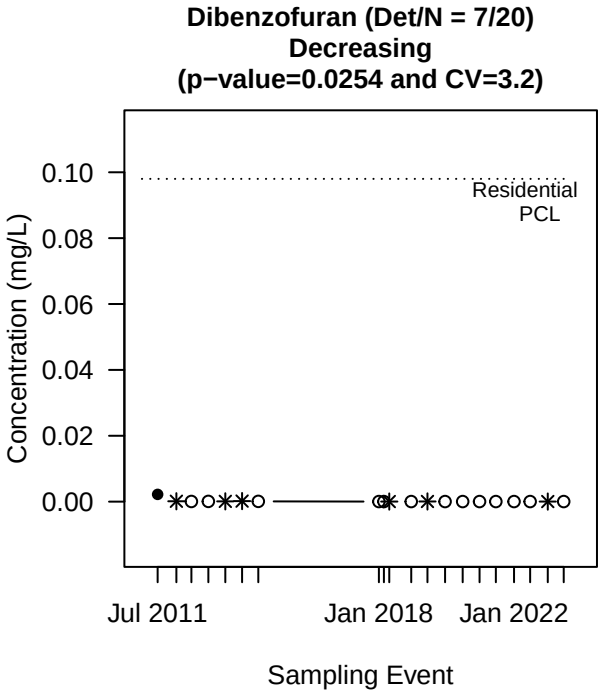
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

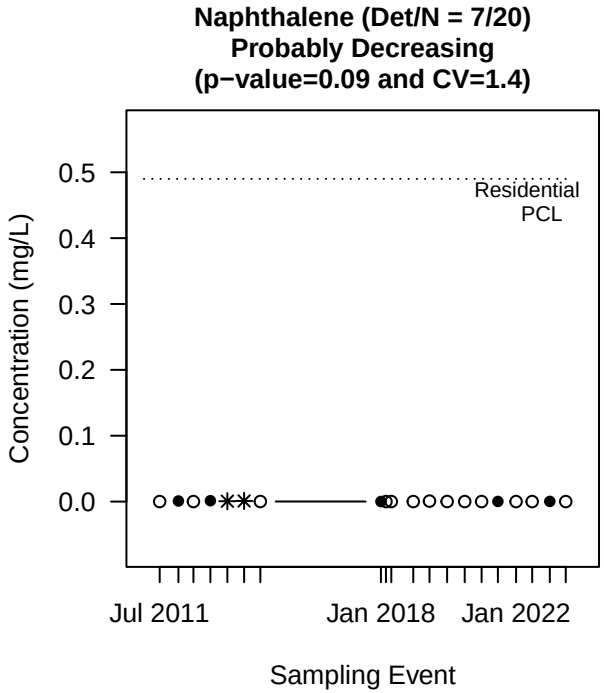
Mann−Kendall Trend Tests for MW−05

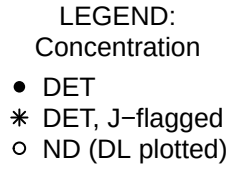






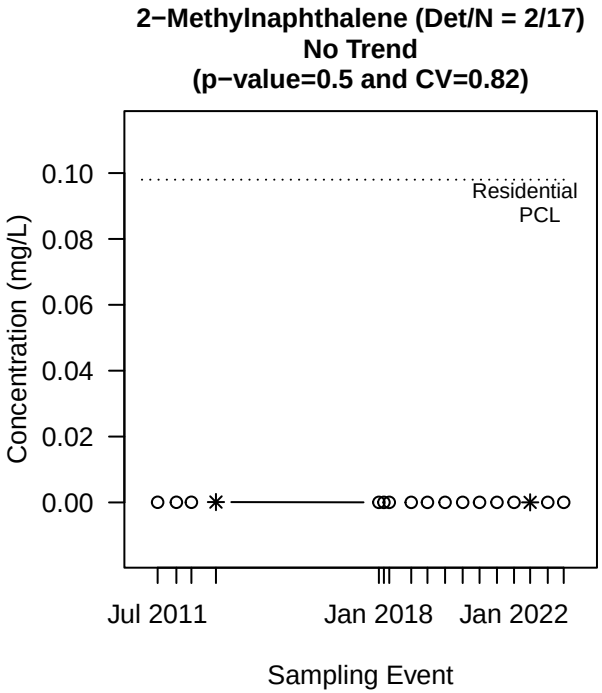


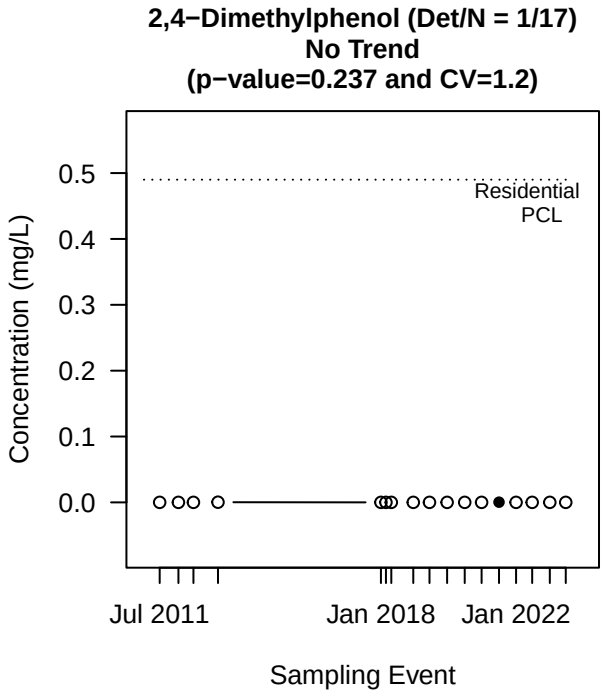


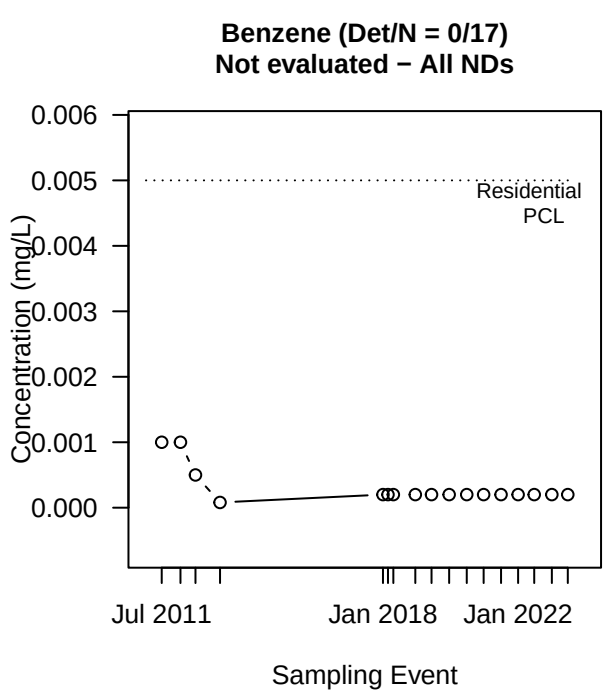


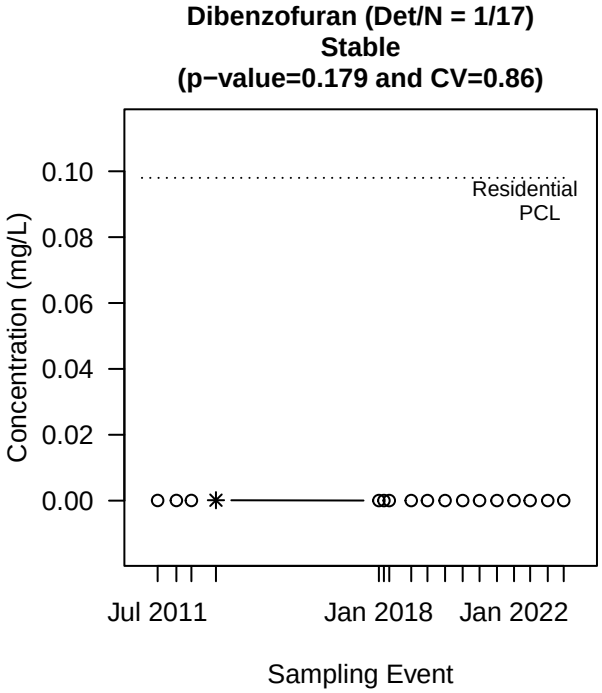
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

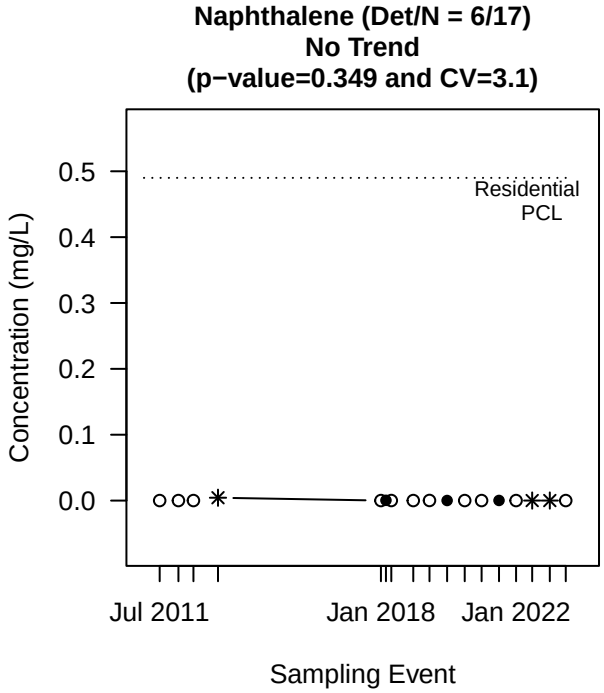
Mann−Kendall Trend Tests for MW−09

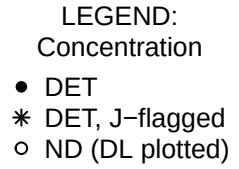








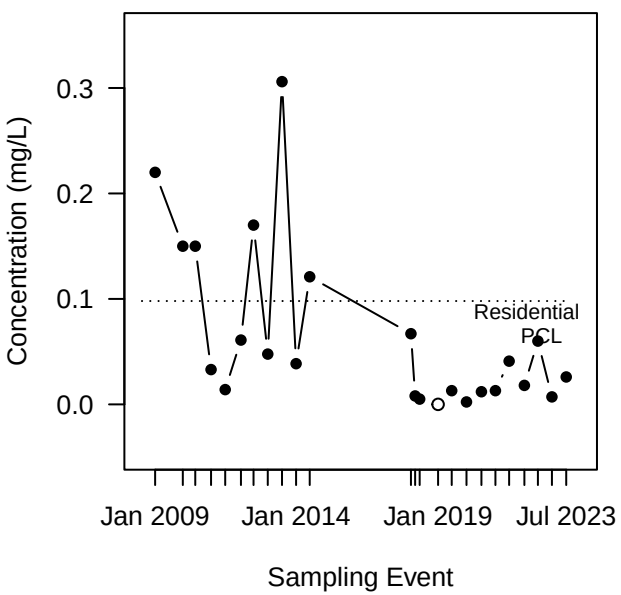




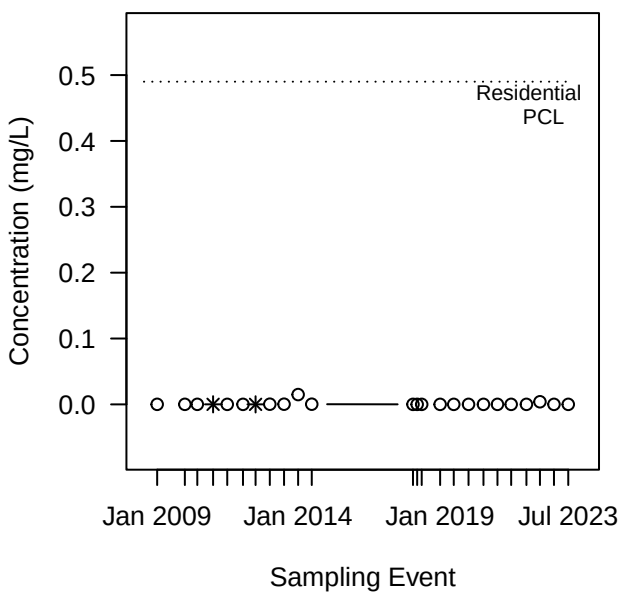
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−12A

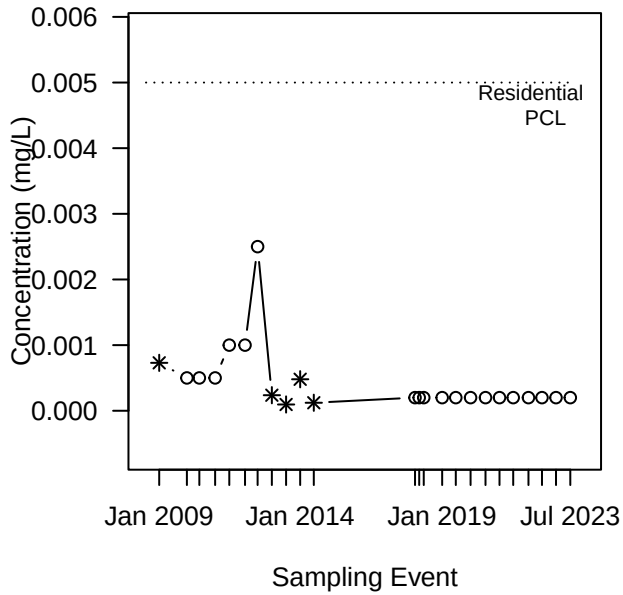
2−Methylnaphthalene (Det/N = 23/24)
Decreasing
(p−value=0.00609 and CV=1.2)



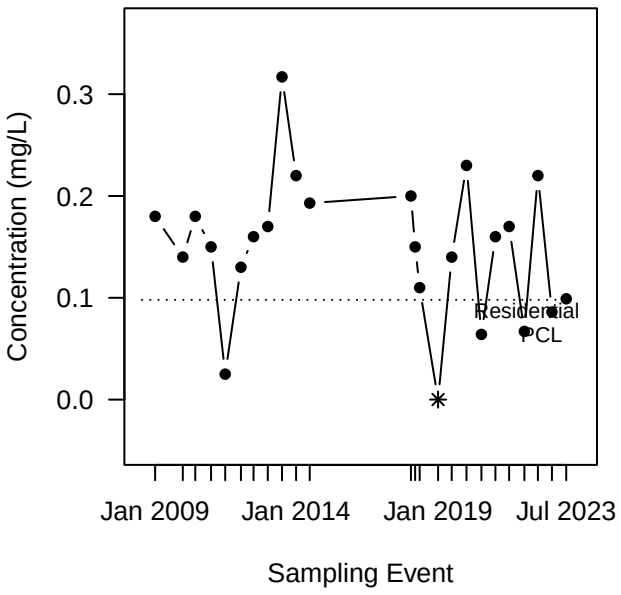
2,4−Dimethylphenol (Det/N = 2/24)
Probably Decreasing
(p−value=0.0721 and CV=3.6)



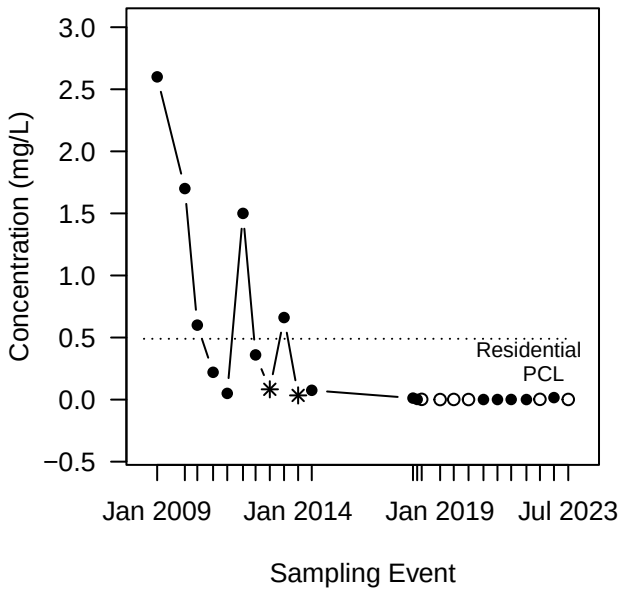
Benzene (Det/N = 5/24)
Decreasing
(p−value=0.0393 and CV=1.2)



Dibenzofuran (Det/N = 24/24)
Stable
(p−value=0.236 and CV=0.47)



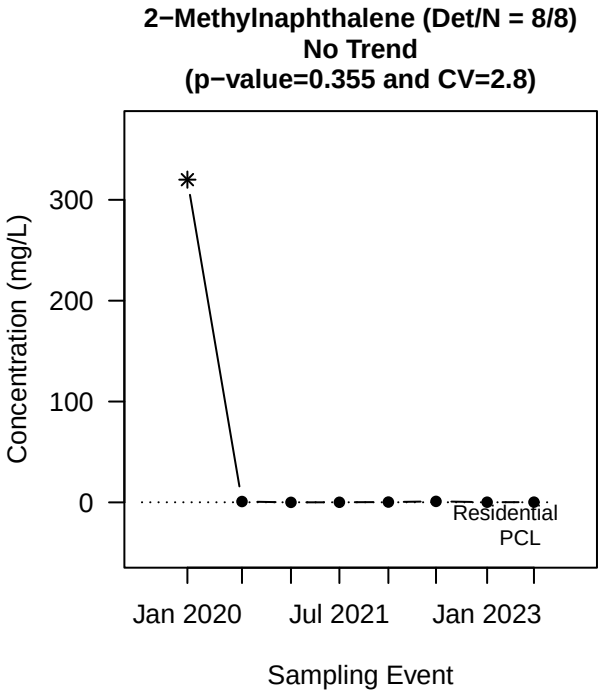
Naphthalene (Det/N = 18/24)
Decreasing
(p−value=6.68e−06 and CV=2)

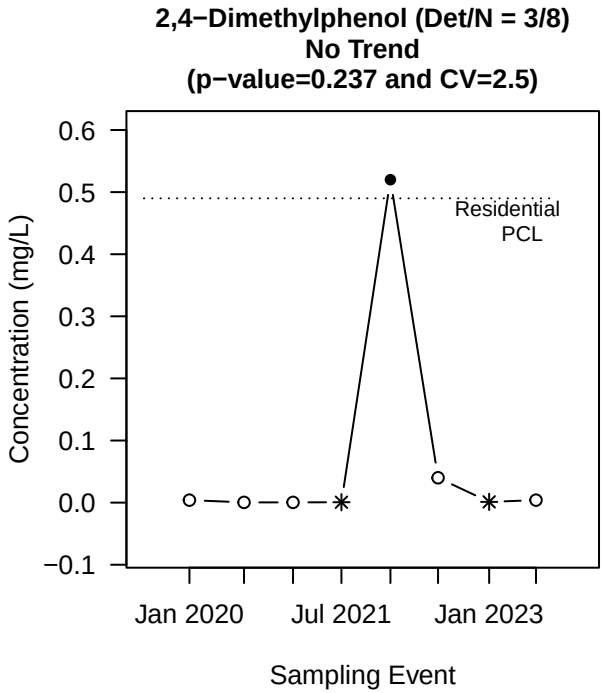


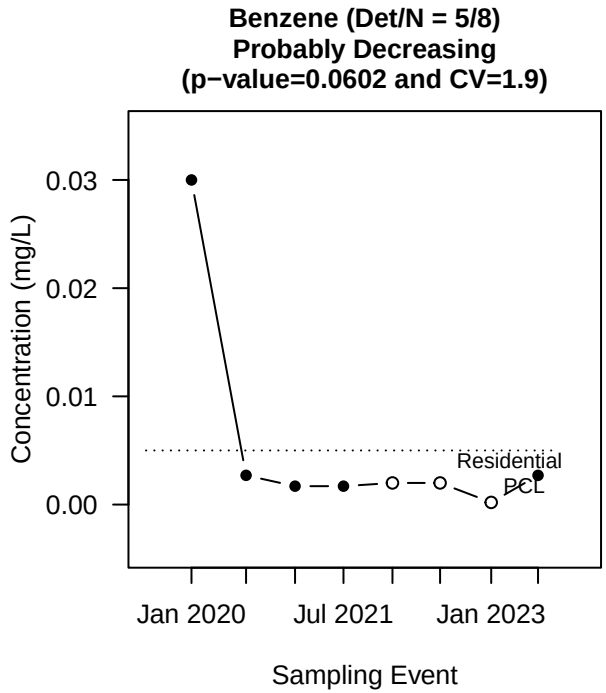
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

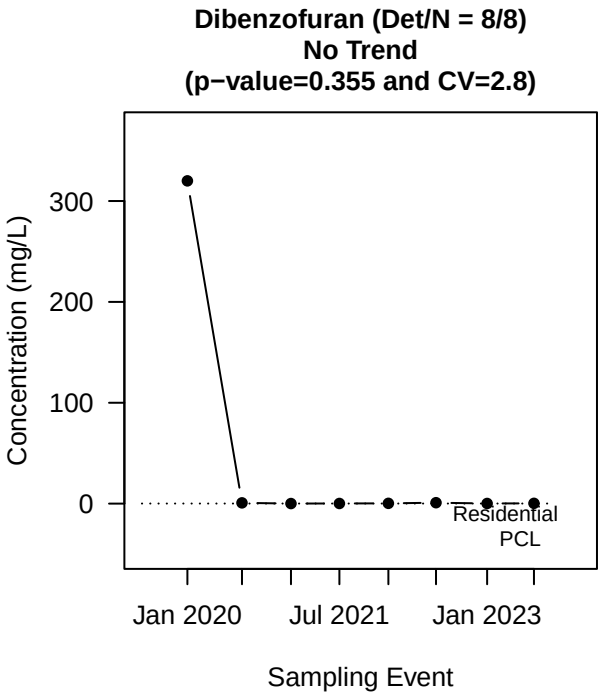
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

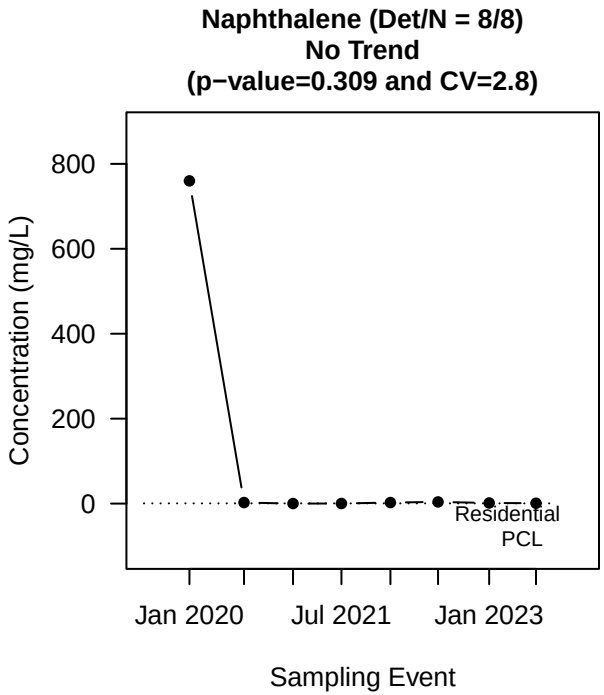
Mann−Kendall Trend Tests for MW−12B







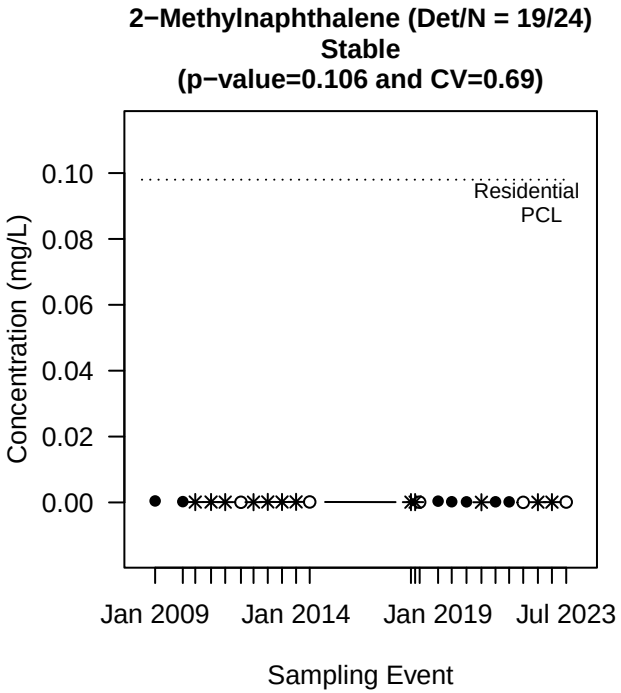


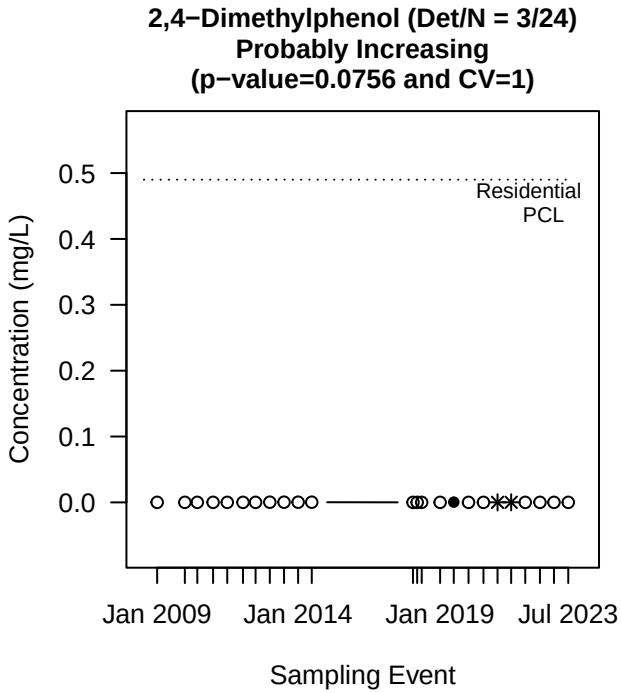


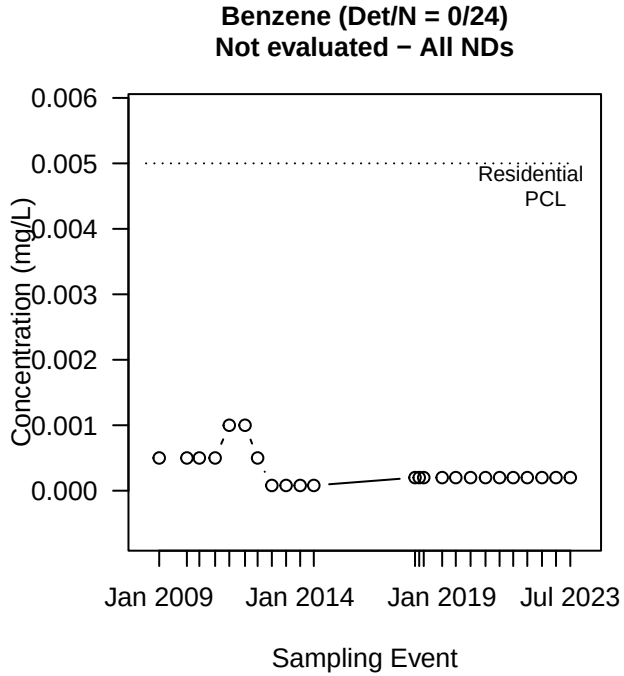
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

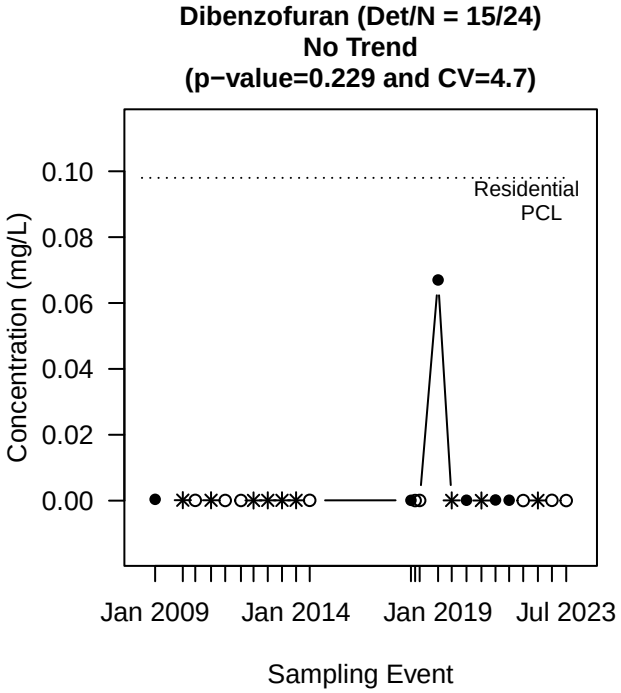
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

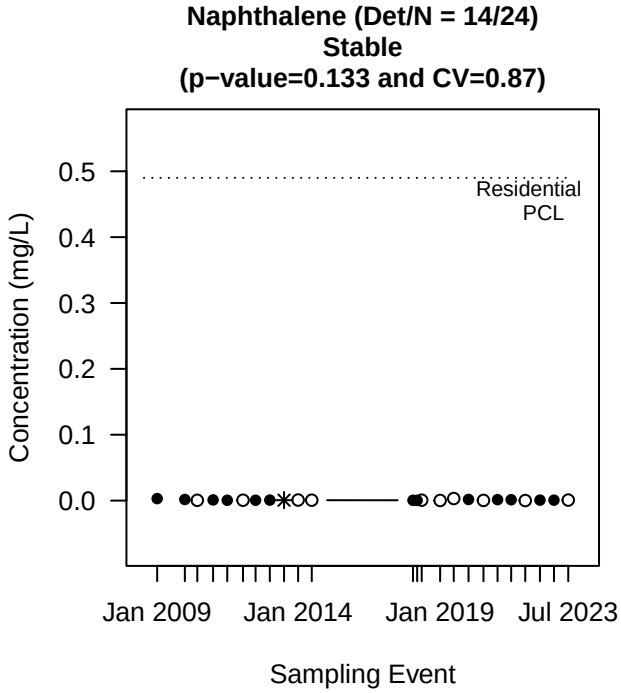
Mann−Kendall Trend Tests for MW−12C

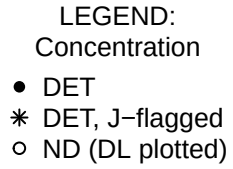






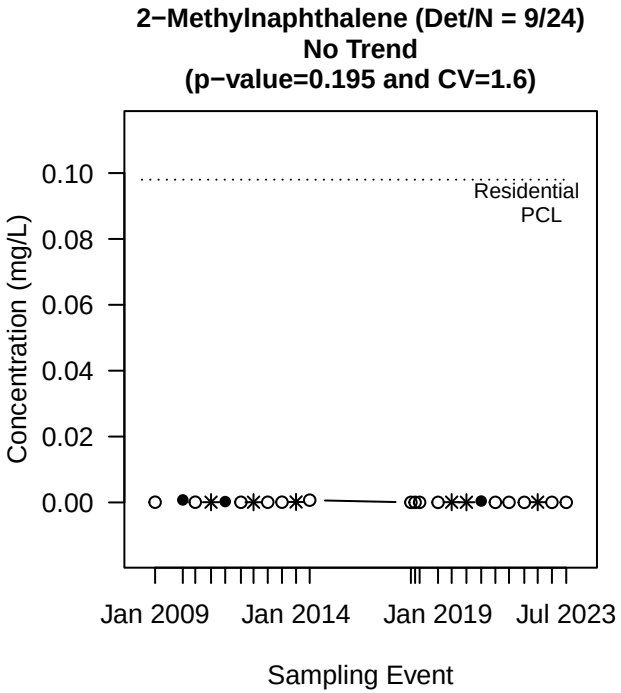


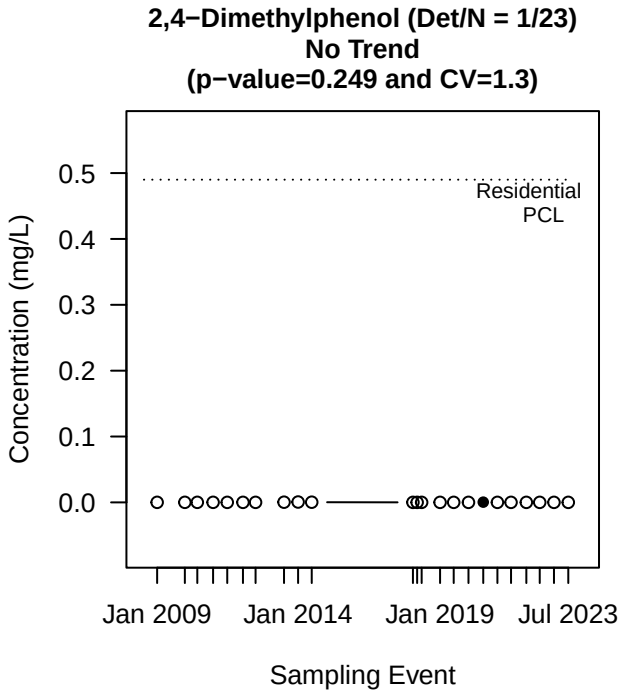


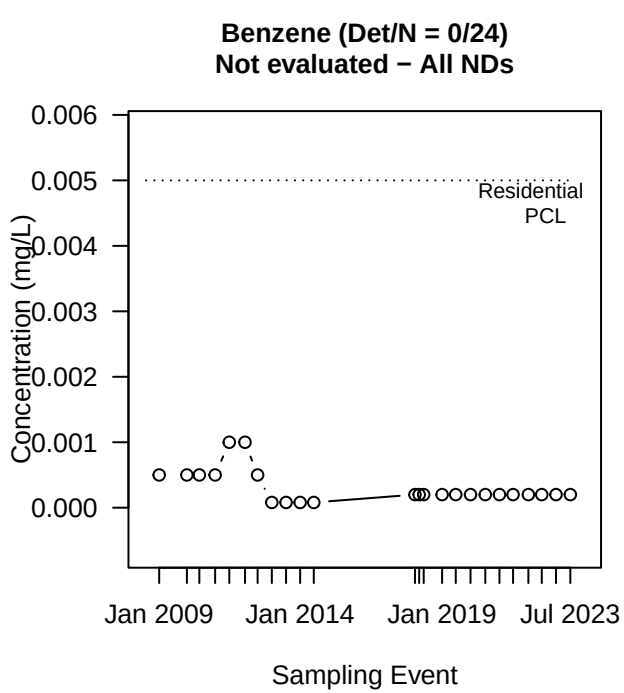


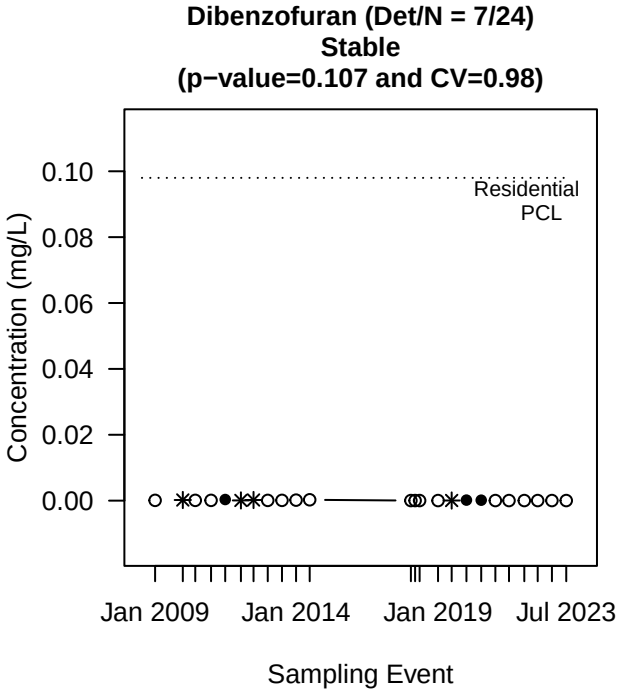
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

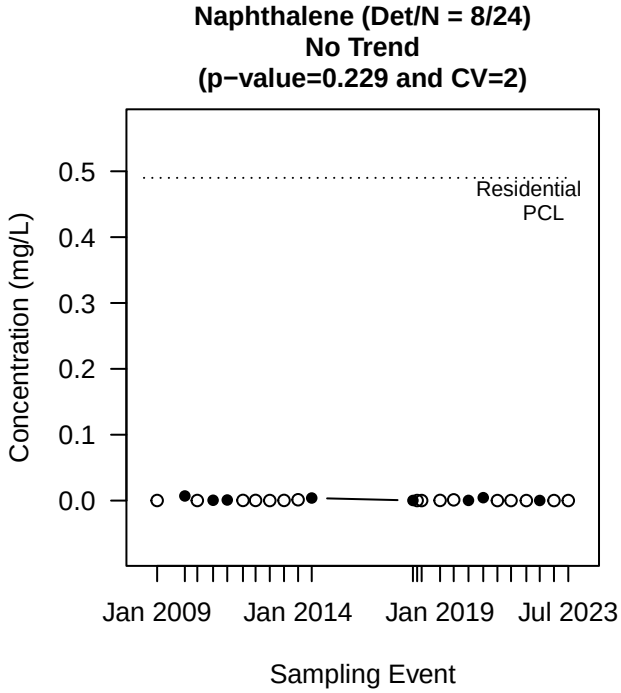
Mann−Kendall Trend Tests for MW−13

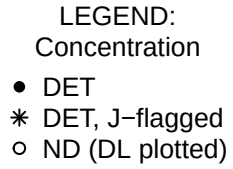






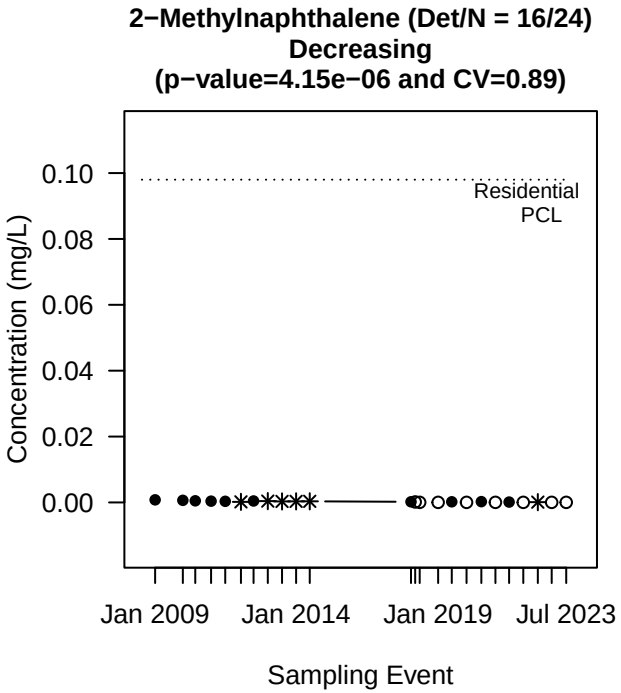


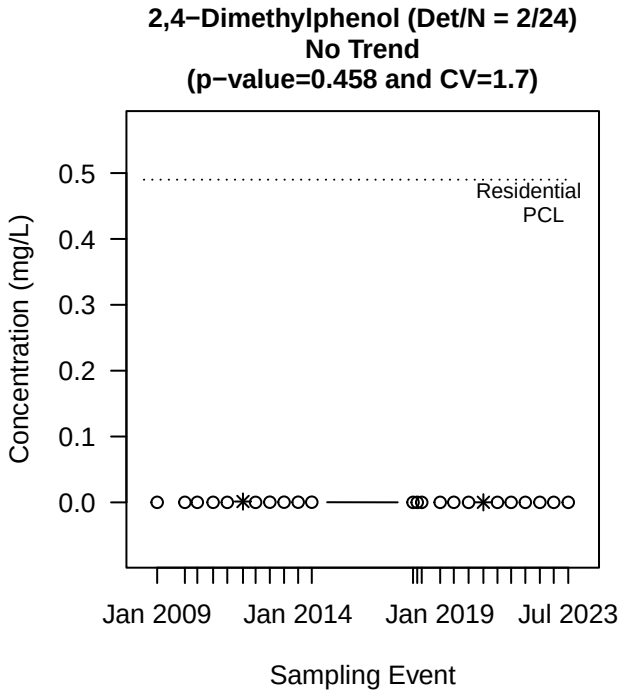


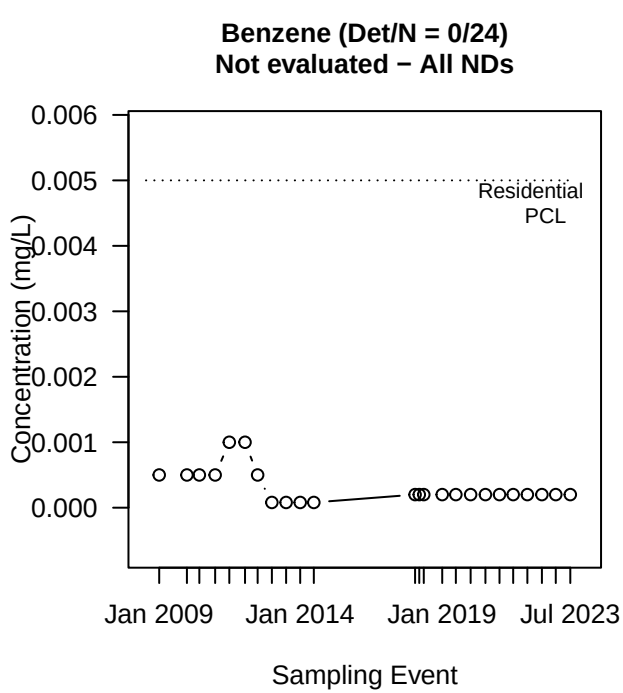


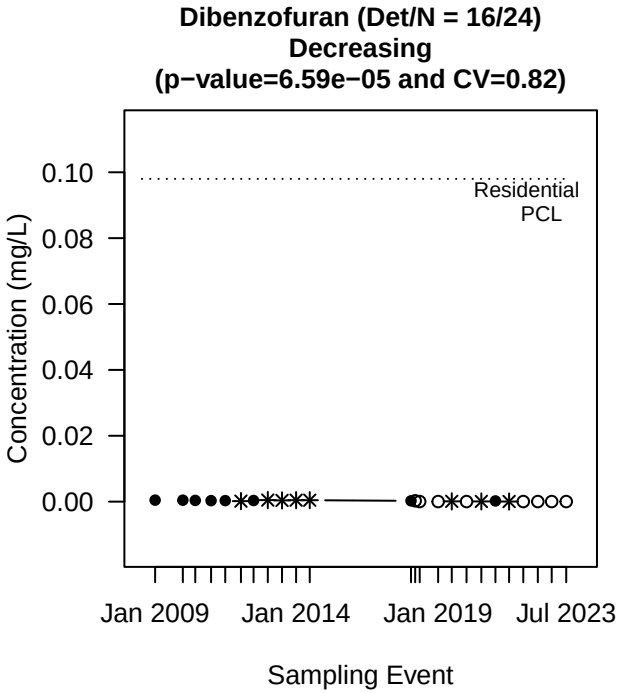
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

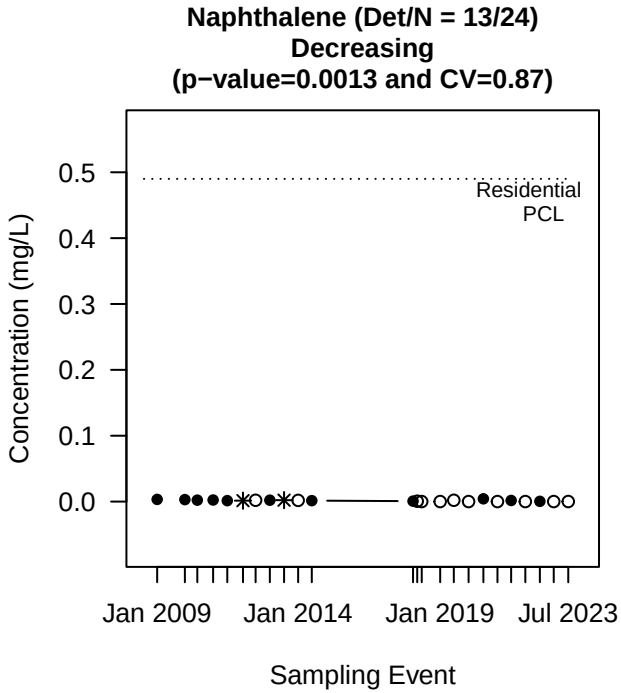
Mann−Kendall Trend Tests for MW−14







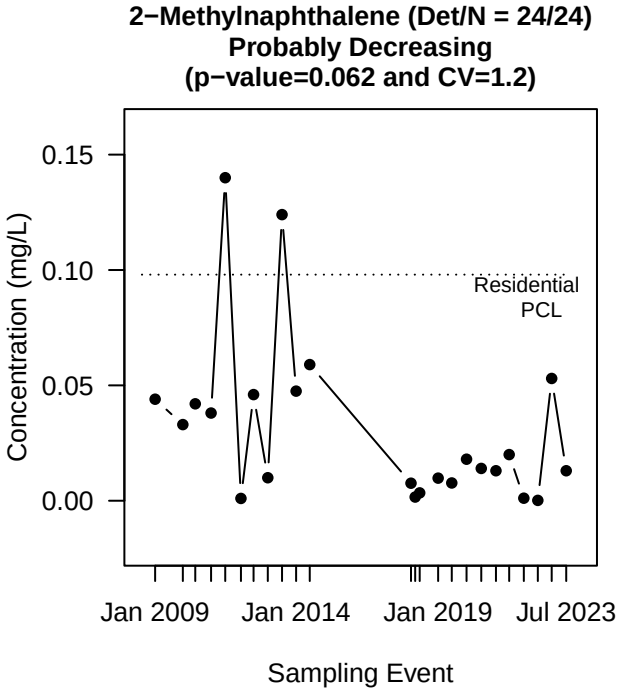


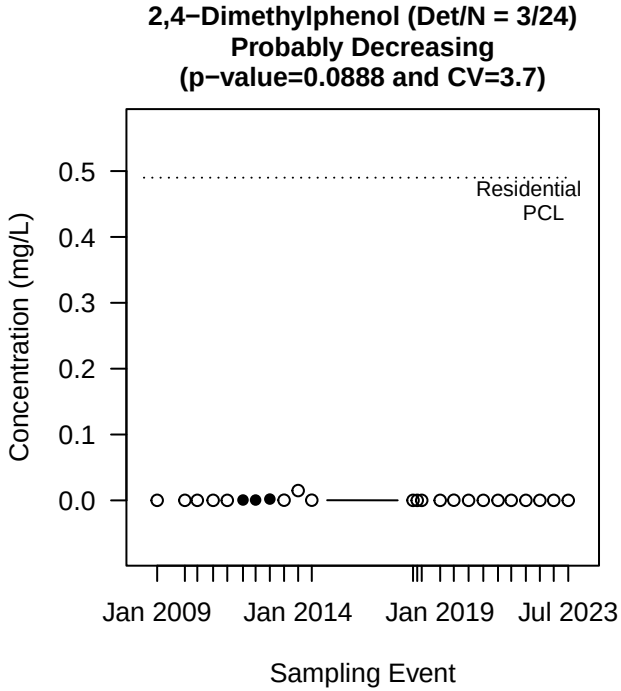


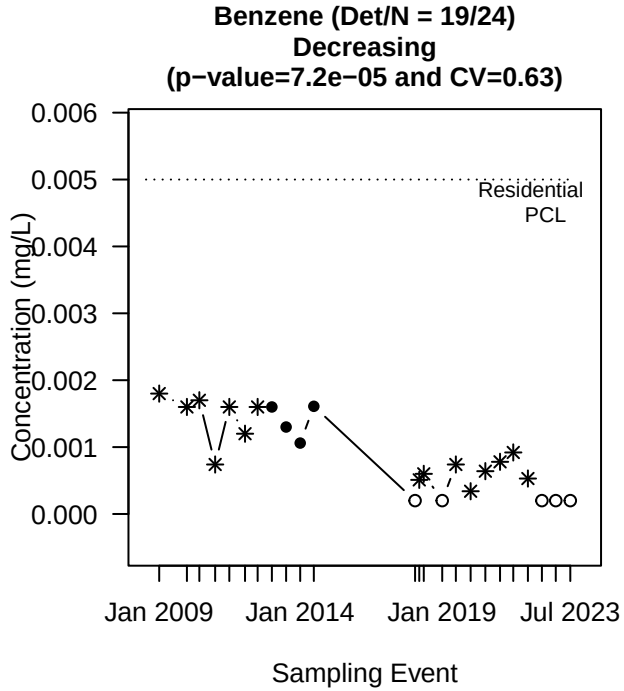
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

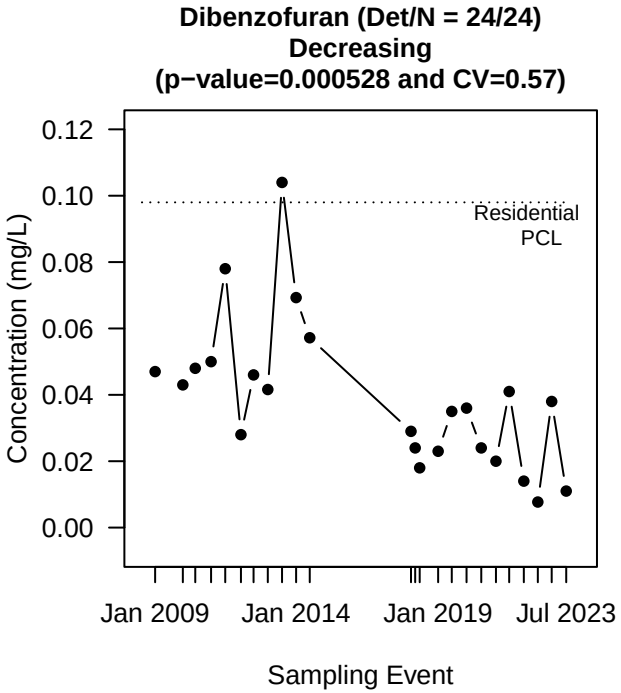
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

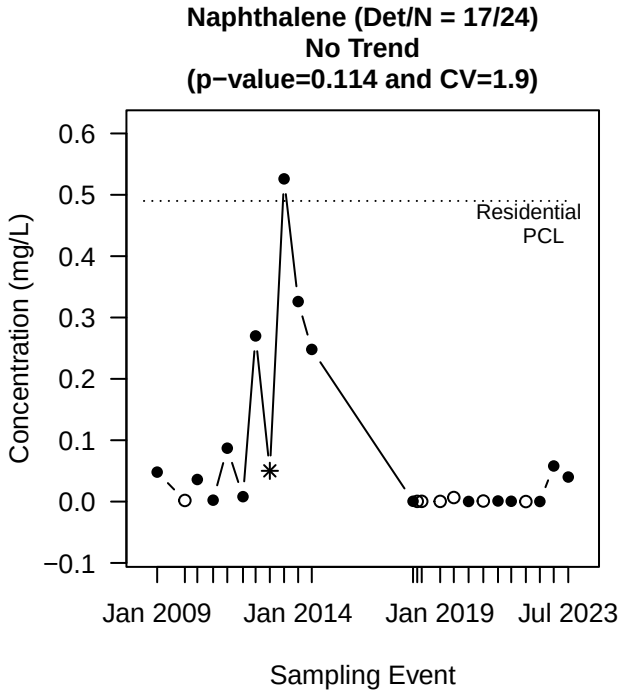
Mann−Kendall Trend Tests for MW−15A

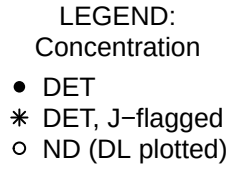






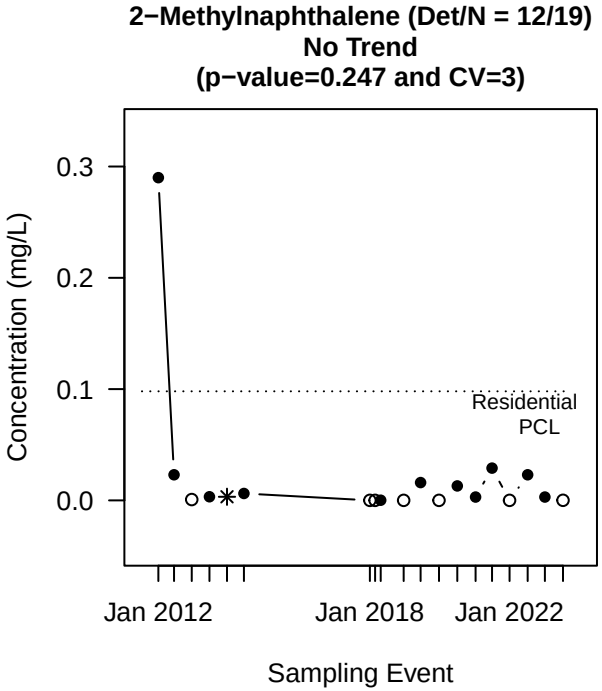


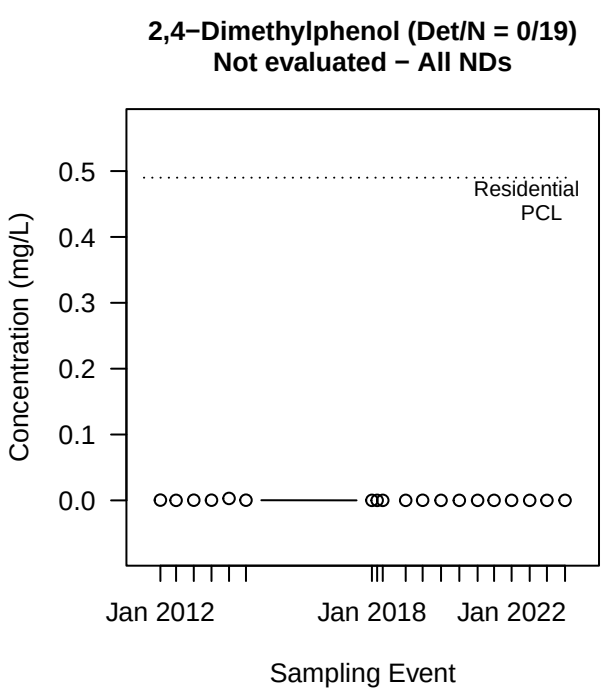


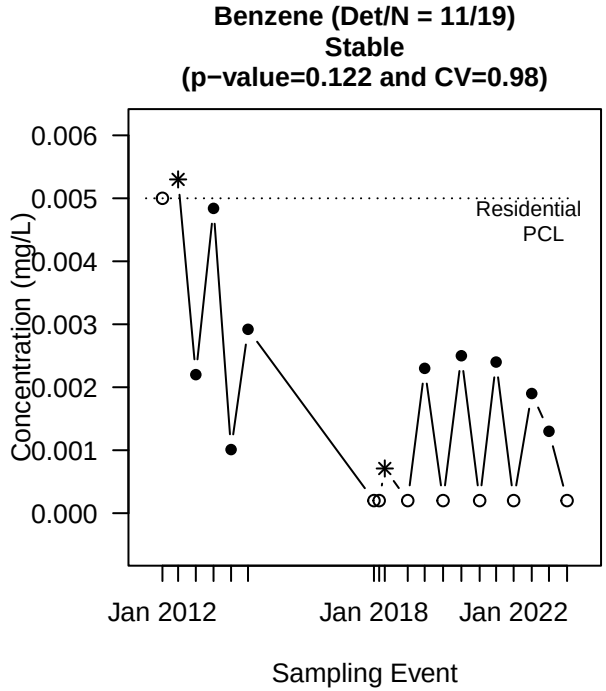


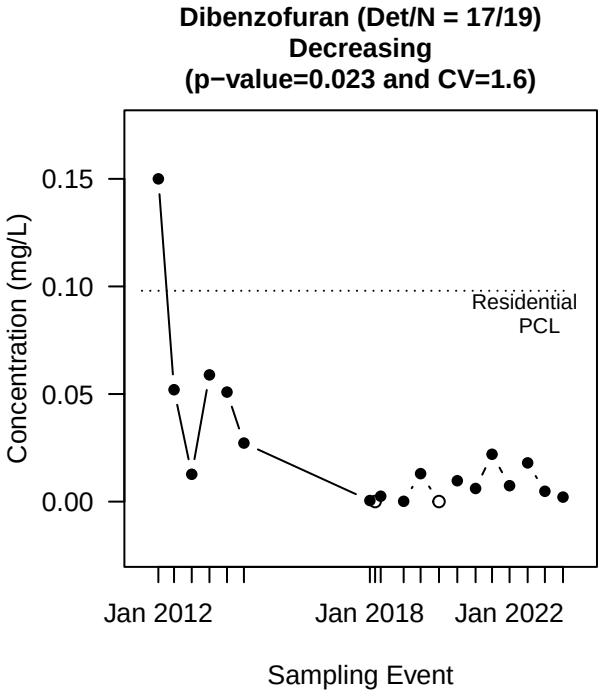
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

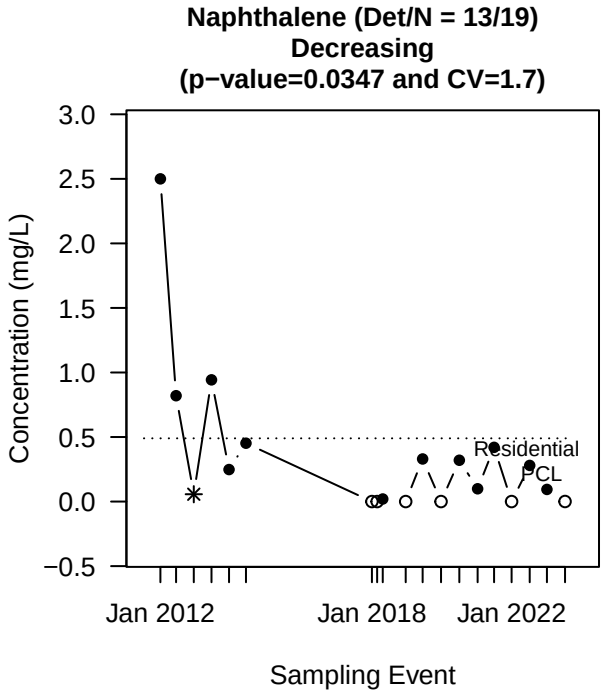
Mann−Kendall Trend Tests for MW−15B











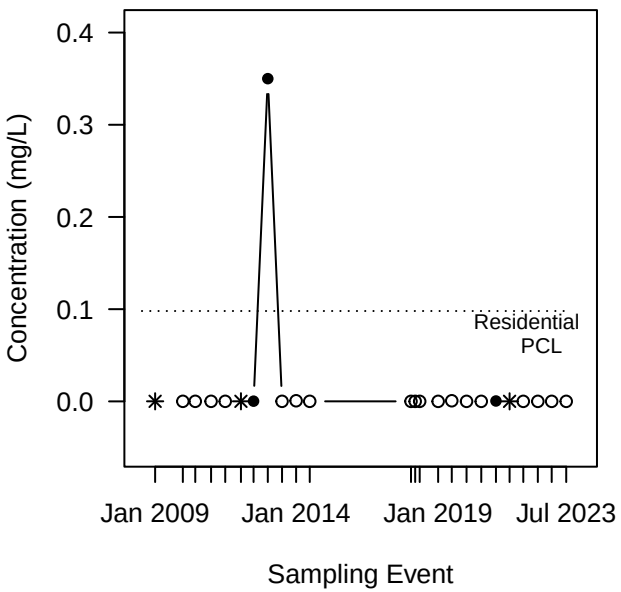
LEGEND:
Concentration

- DET
- DET, J−flagged
- ND (DL plotted)

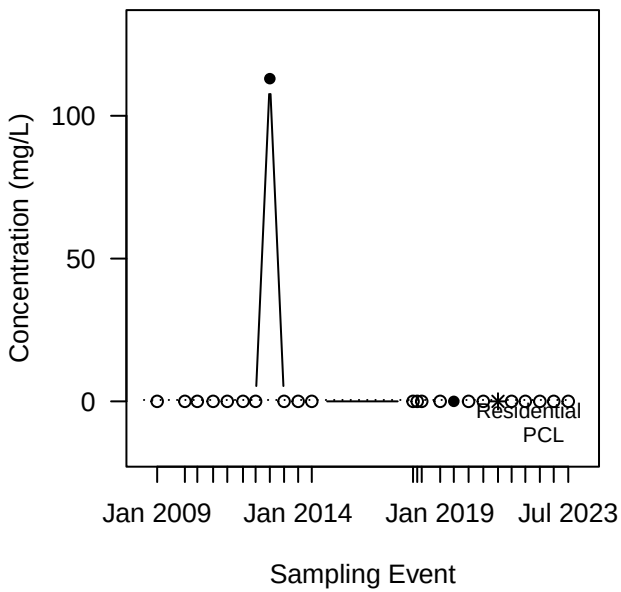
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−15C

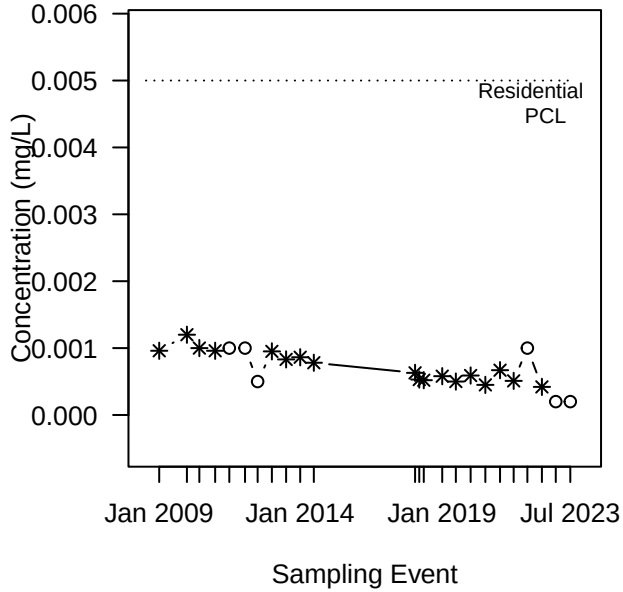
2−Methylnaphthalene (Det/N = 6/24)
No Trend
(p−value=0.215 and CV=4.9)



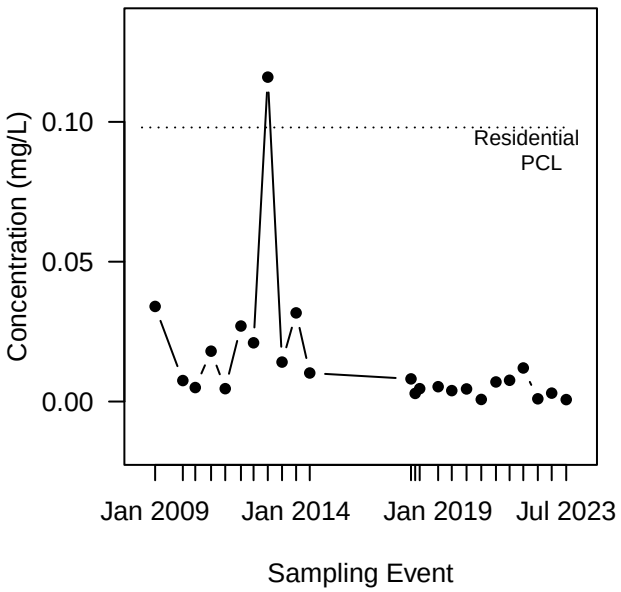
2,4−Dimethylphenol (Det/N = 3/24)
No Trend
(p−value=0.38 and CV=4.9)



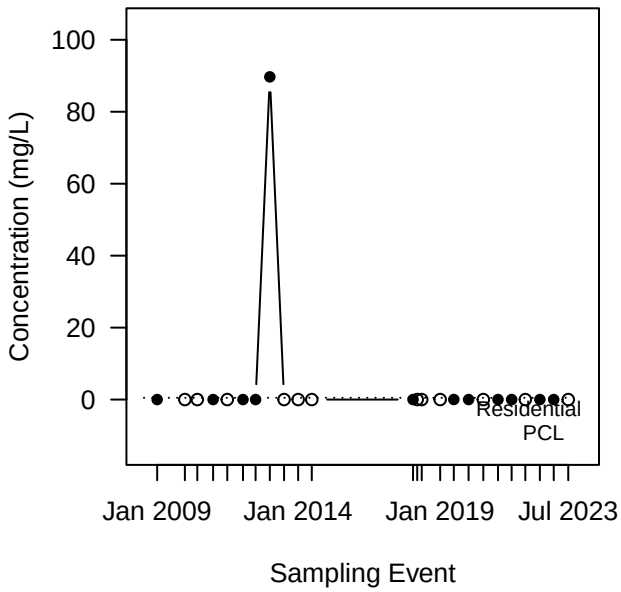
Benzene (Det/N = 18/24)
Decreasing
(p−value=0.000303 and CV=0.39)



Dibenzofuran (Det/N = 24/24)
Decreasing
(p−value=0.00123 and CV=1.6)



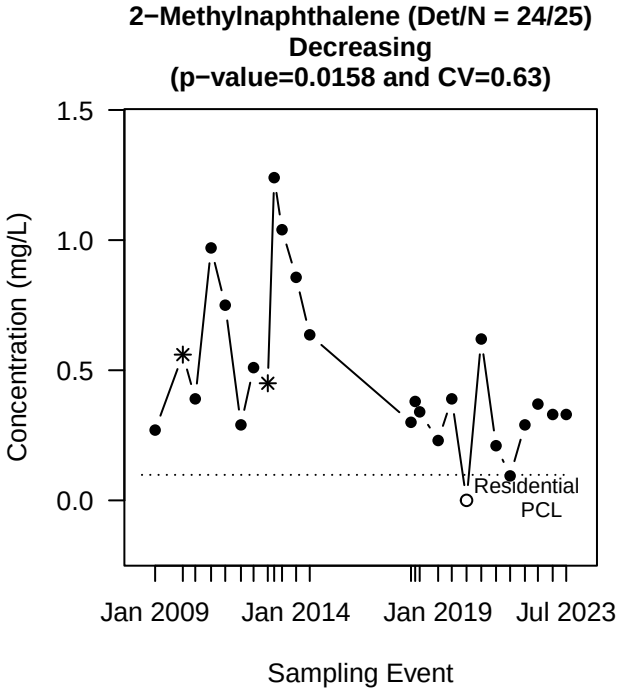
Naphthalene (Det/N = 12/24)
No Trend
(p−value=0.437 and CV=4.9)

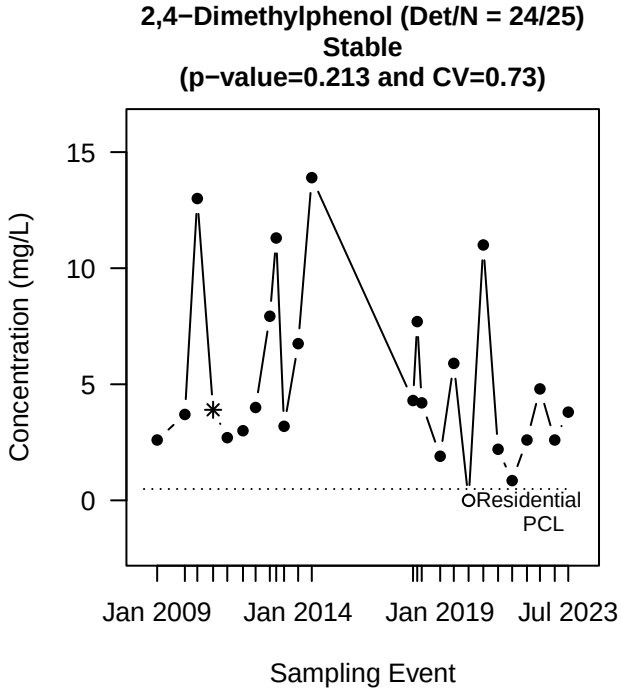


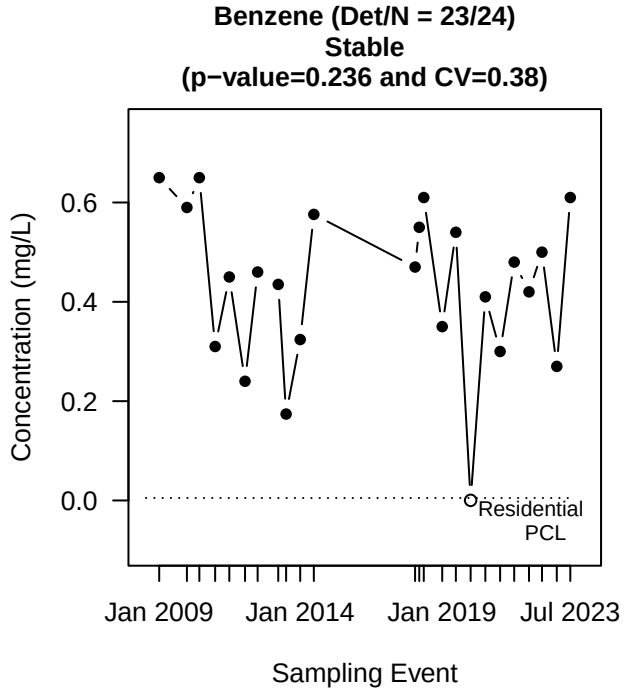
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

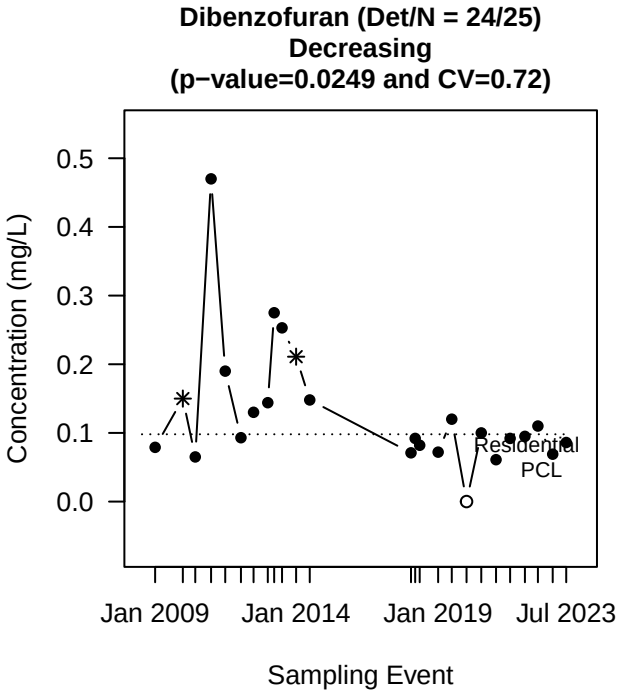
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

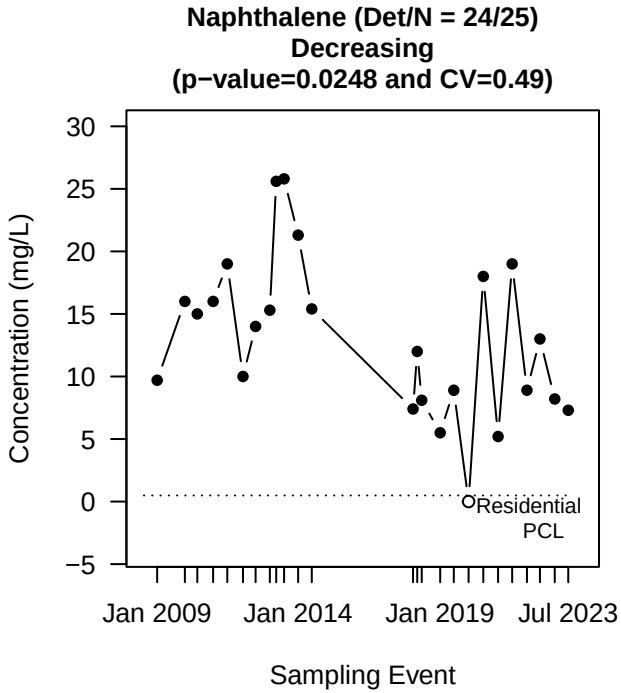
Mann−Kendall Trend Tests for MW−17







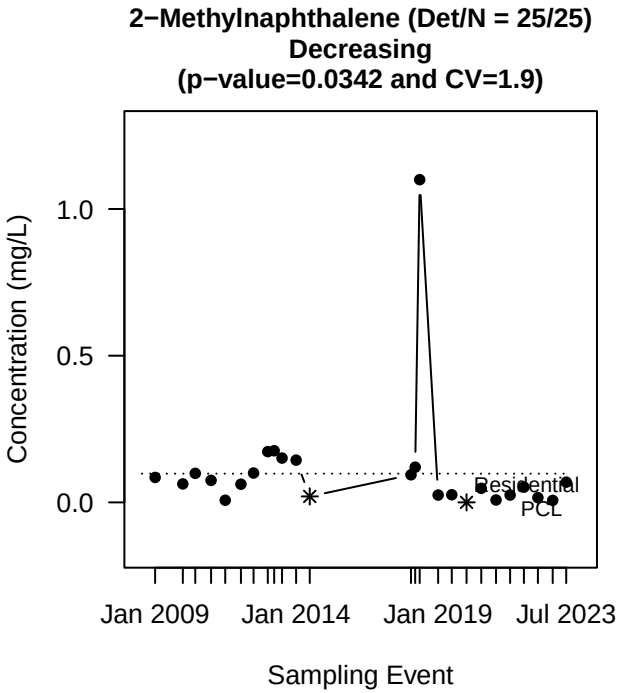


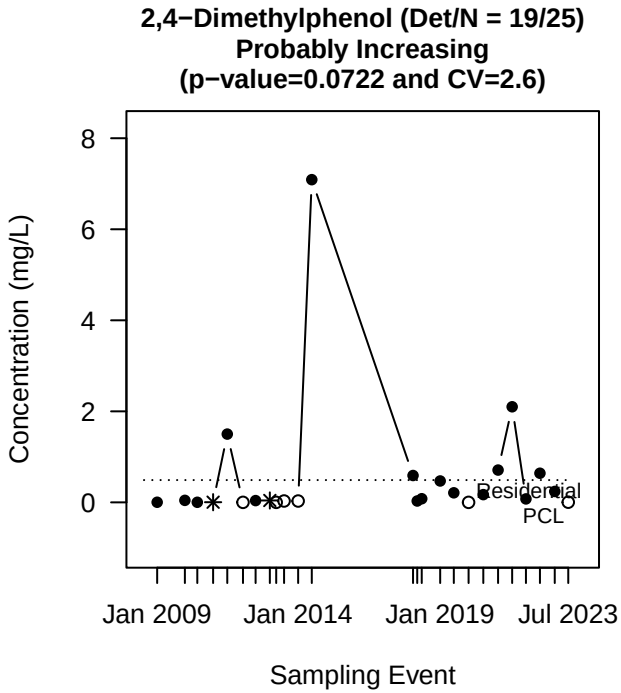


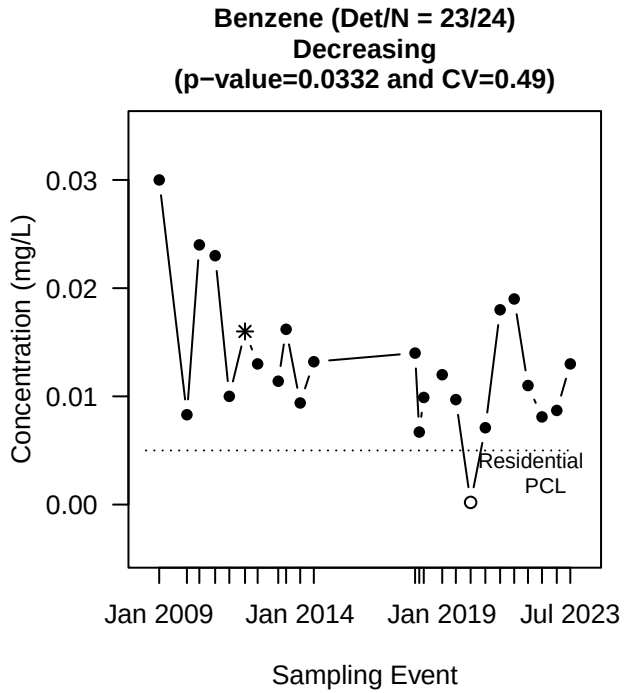
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

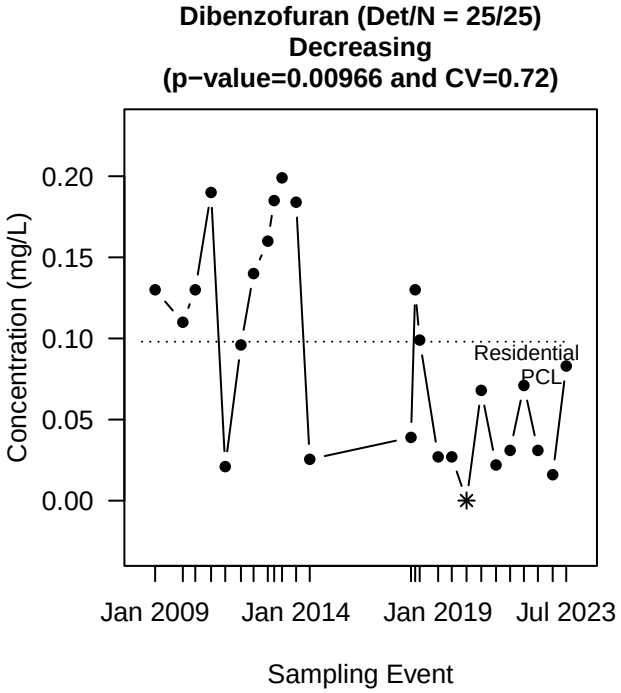
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

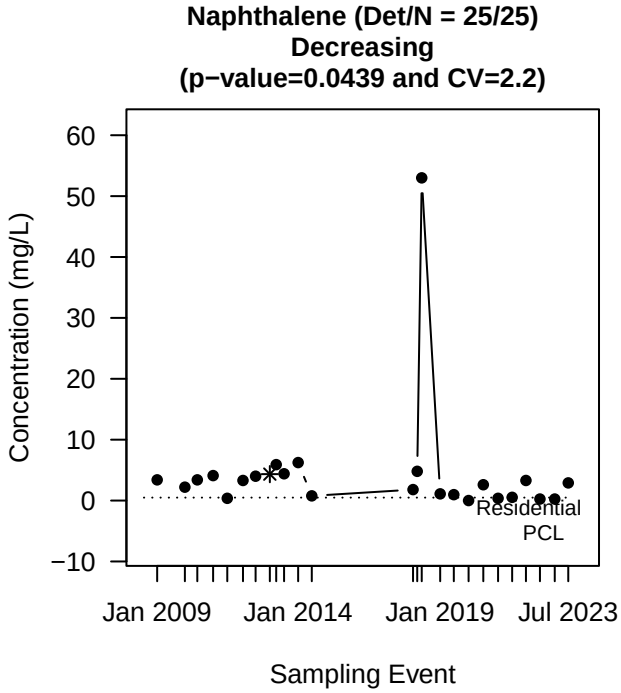
Mann−Kendall Trend Tests for MW−17C

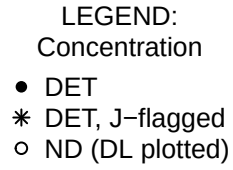






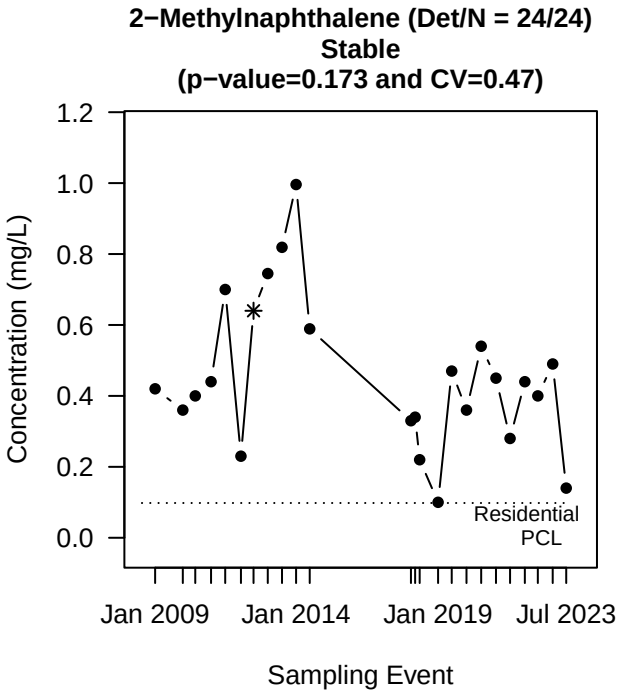


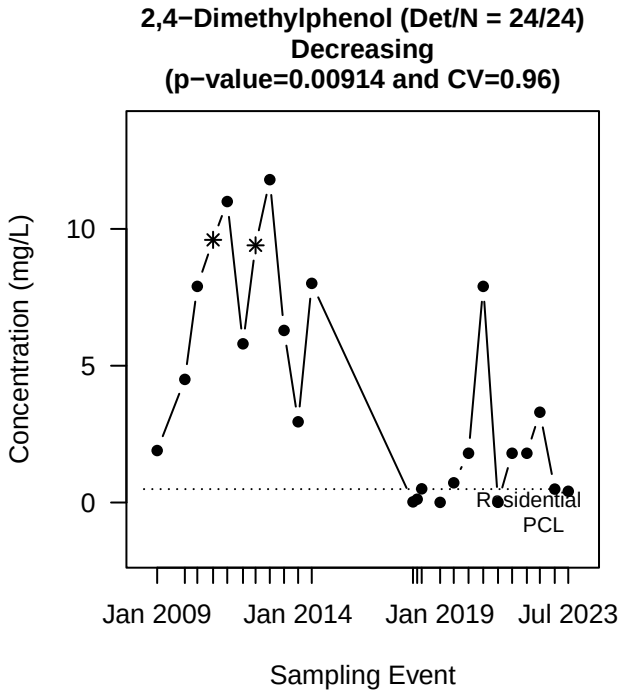


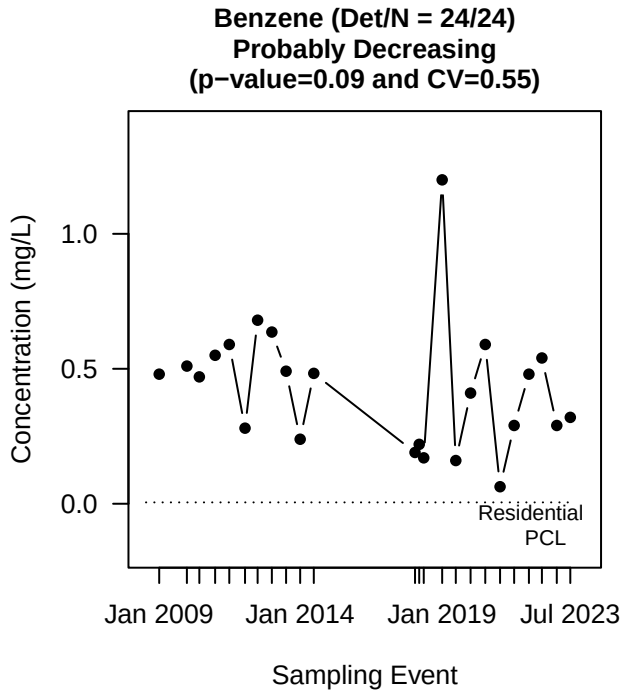


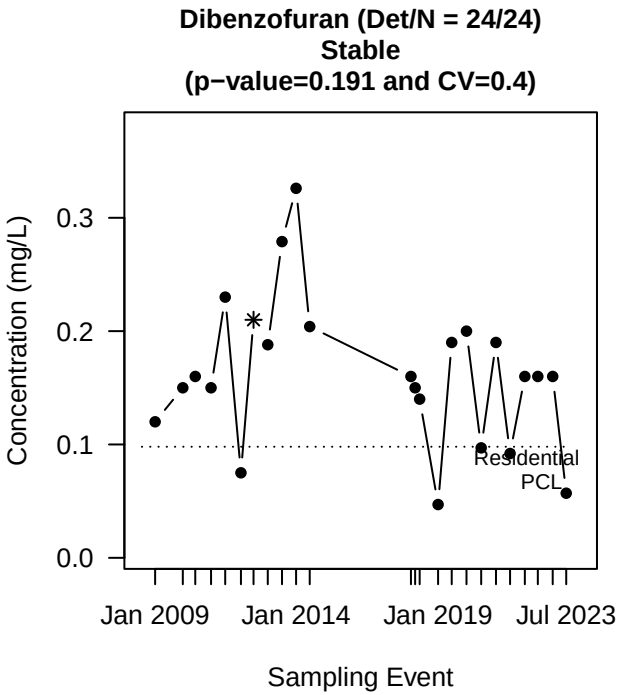
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

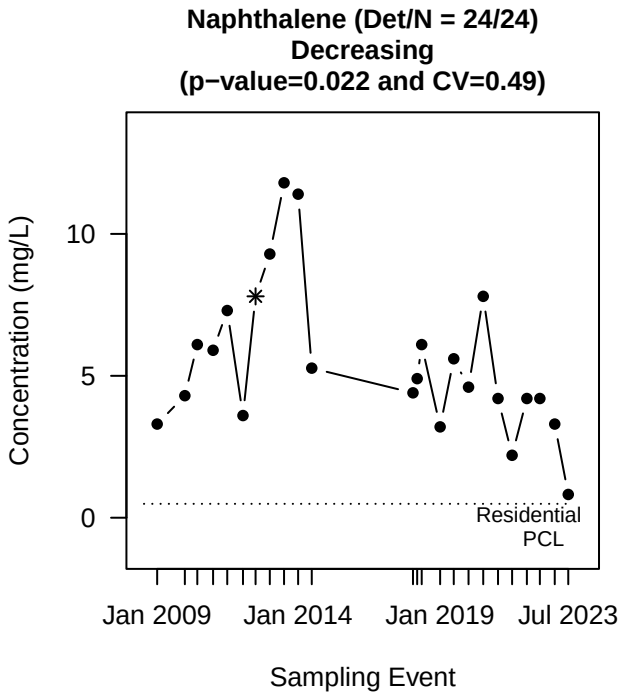
Mann−Kendall Trend Tests for MW−18A

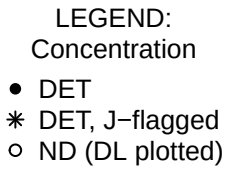






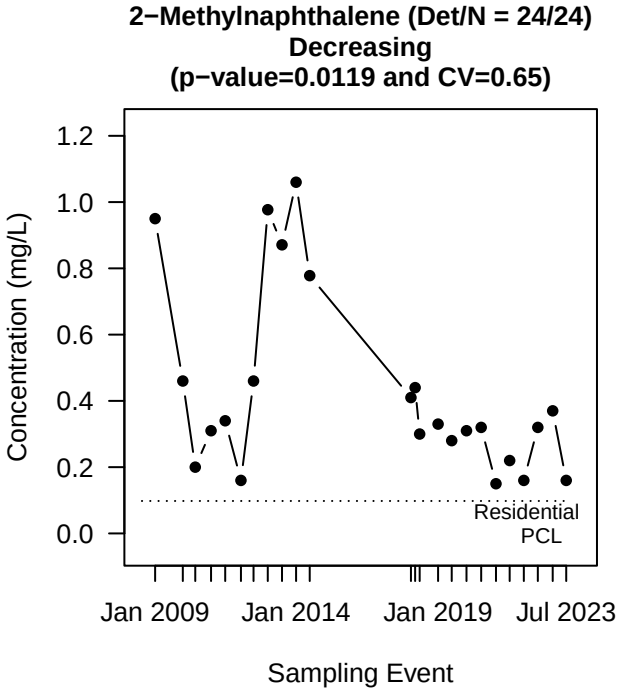


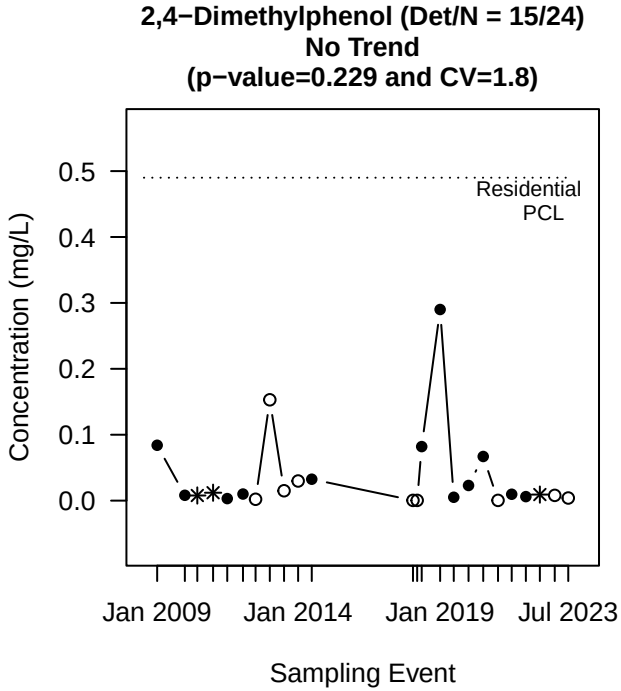


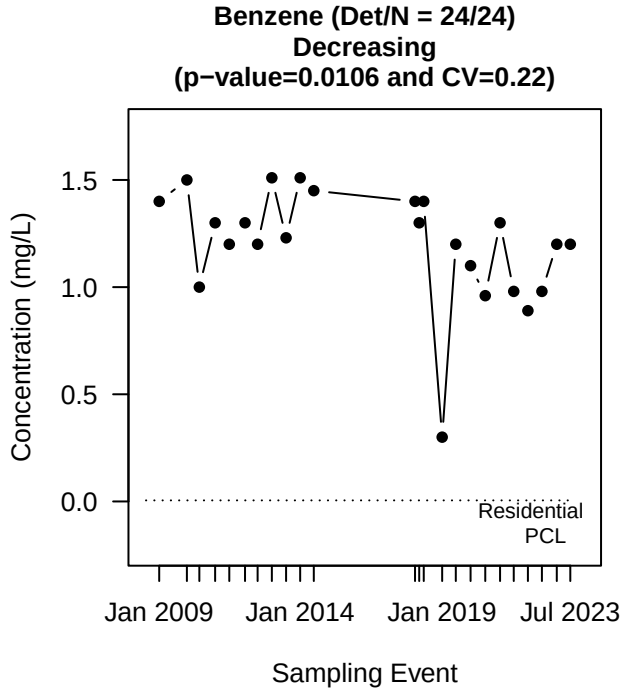


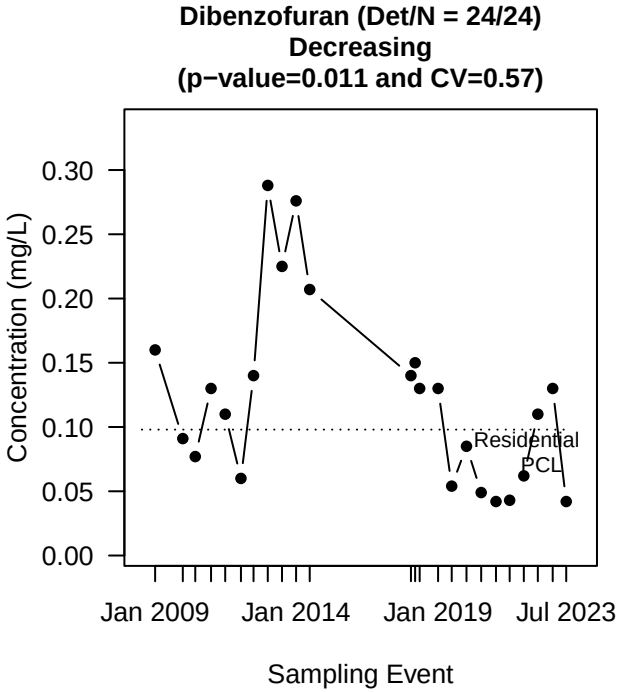
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

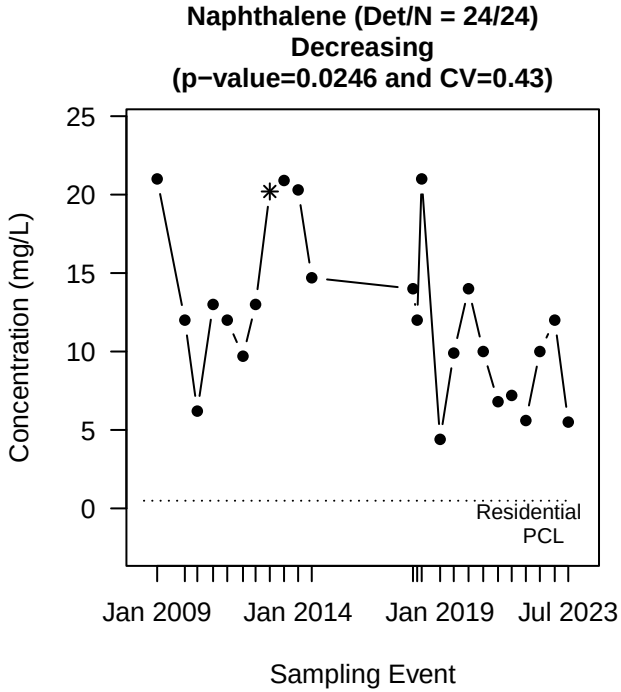
Mann−Kendall Trend Tests for MW−18C

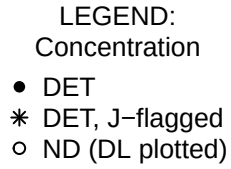






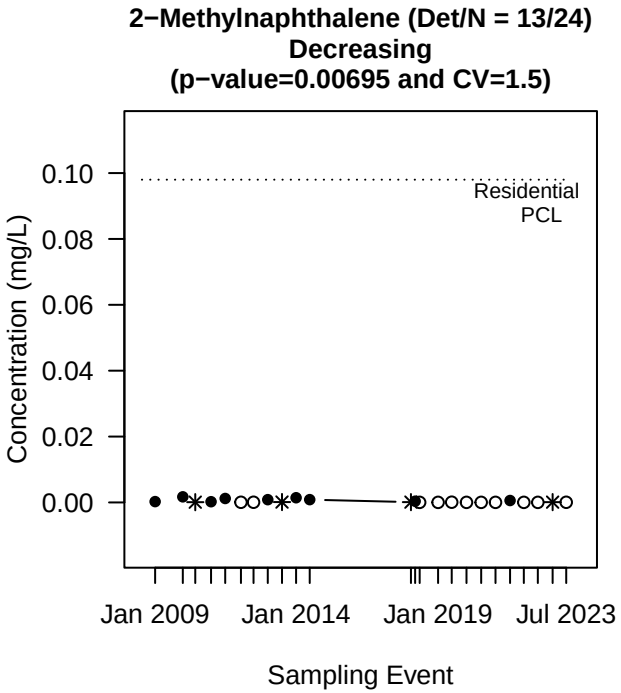


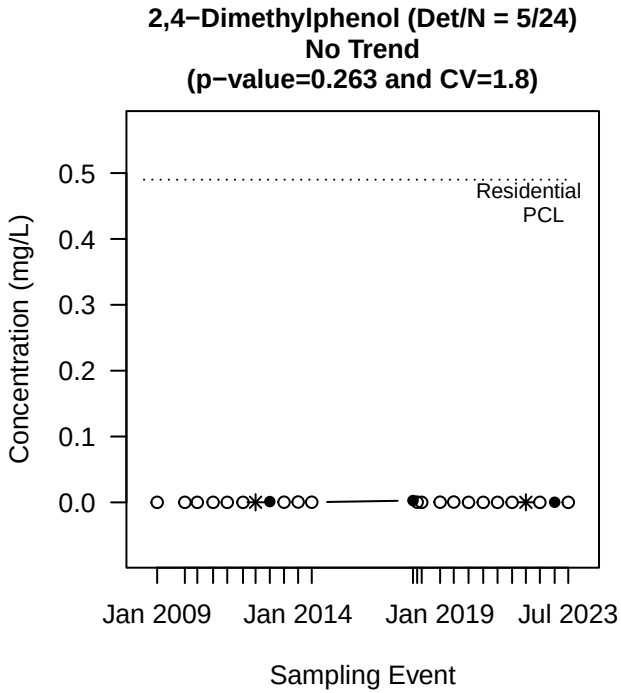


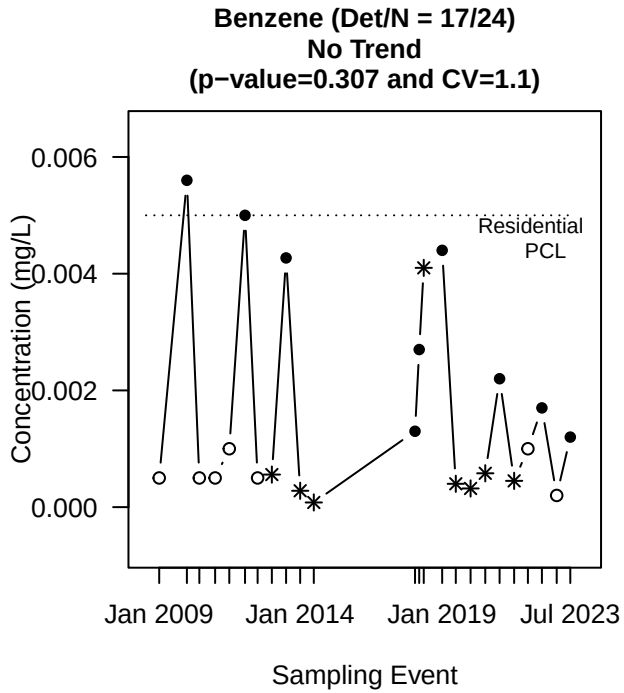


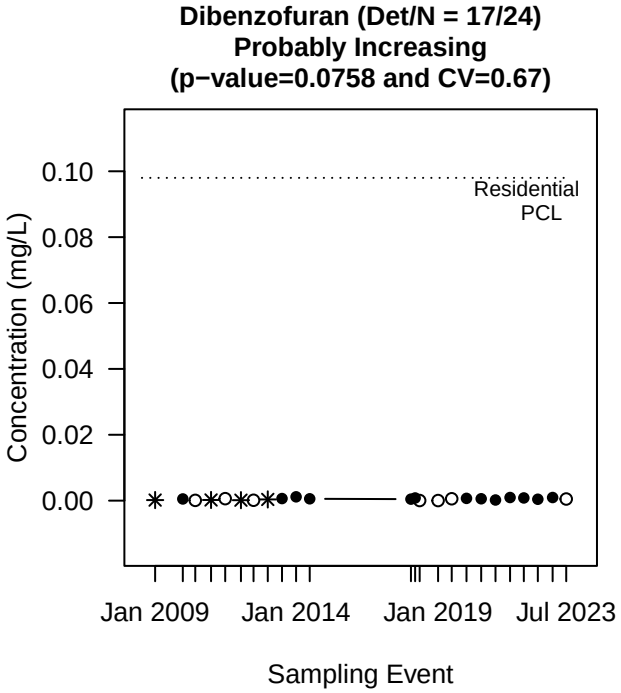
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

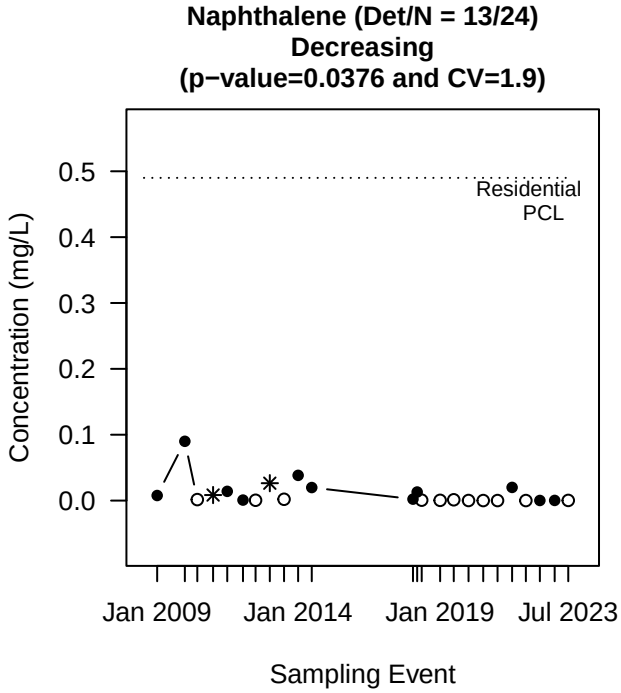
Mann−Kendall Trend Tests for MW−19C

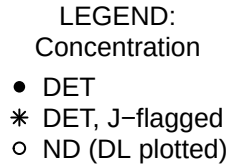






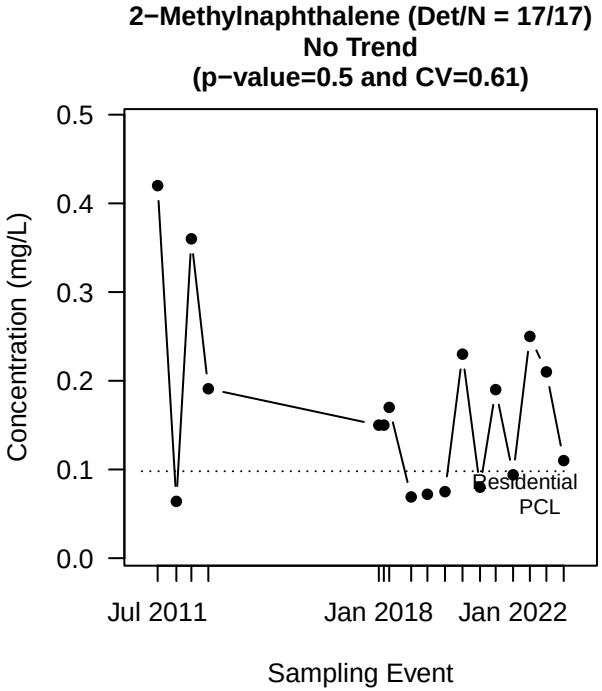


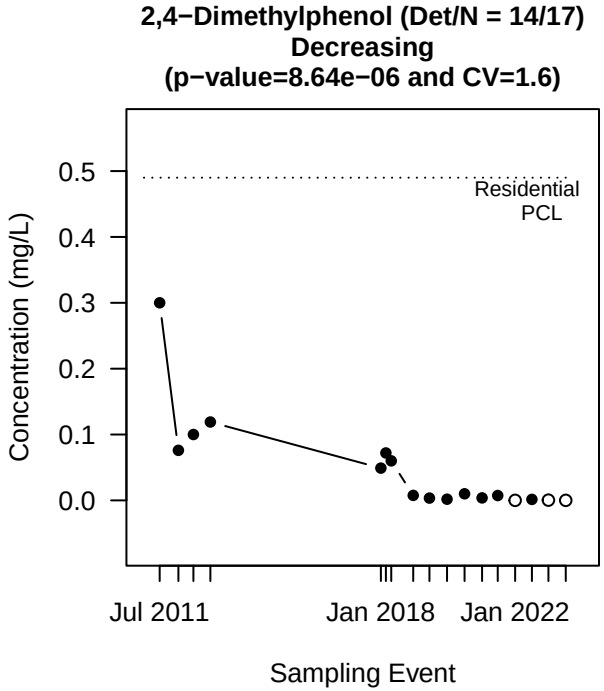


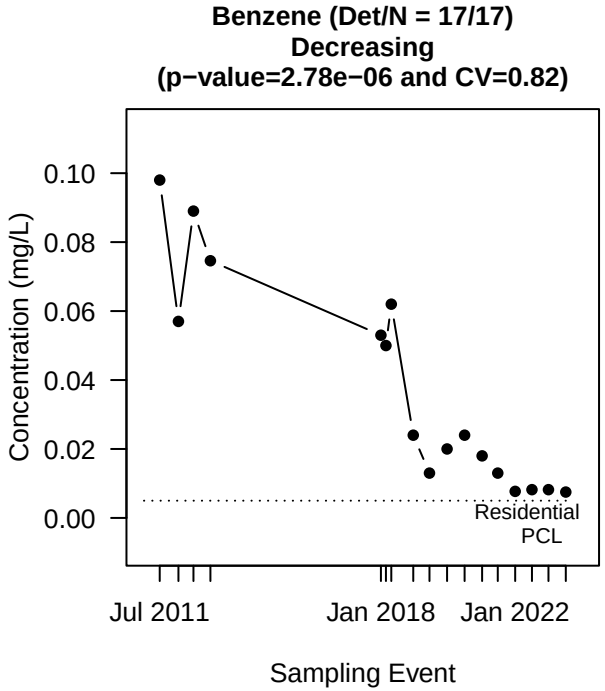


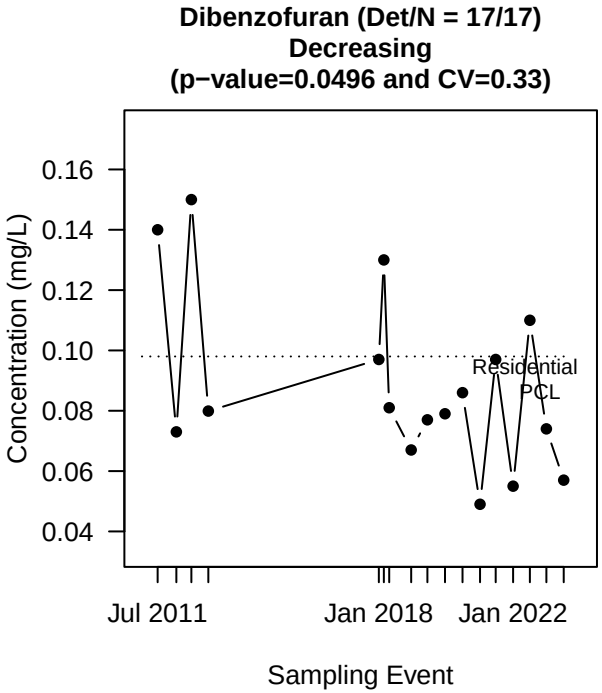
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

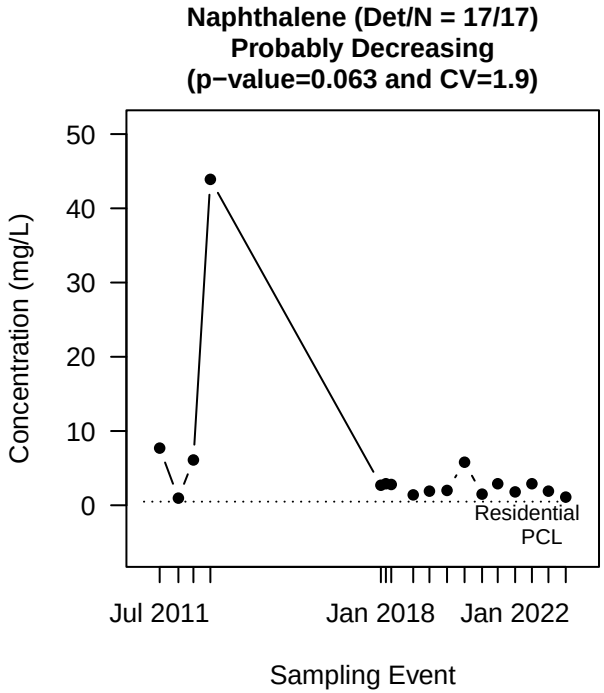
Mann−Kendall Trend Tests for MW−20A

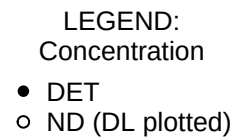






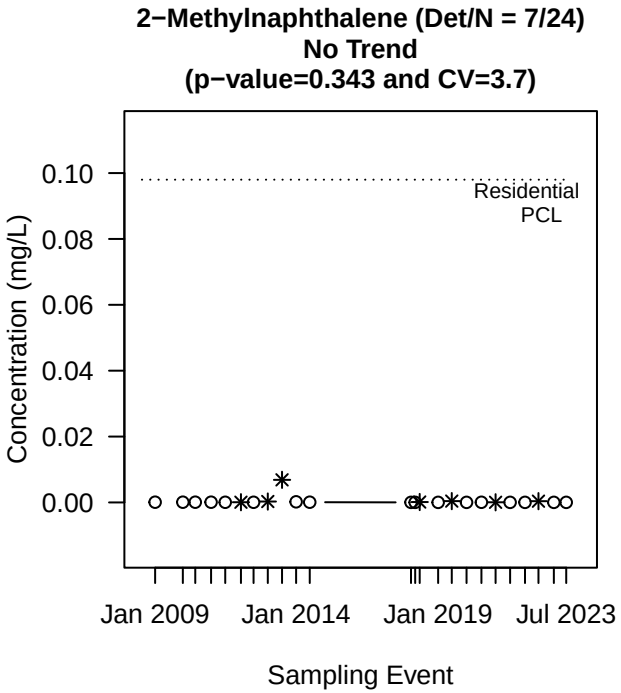


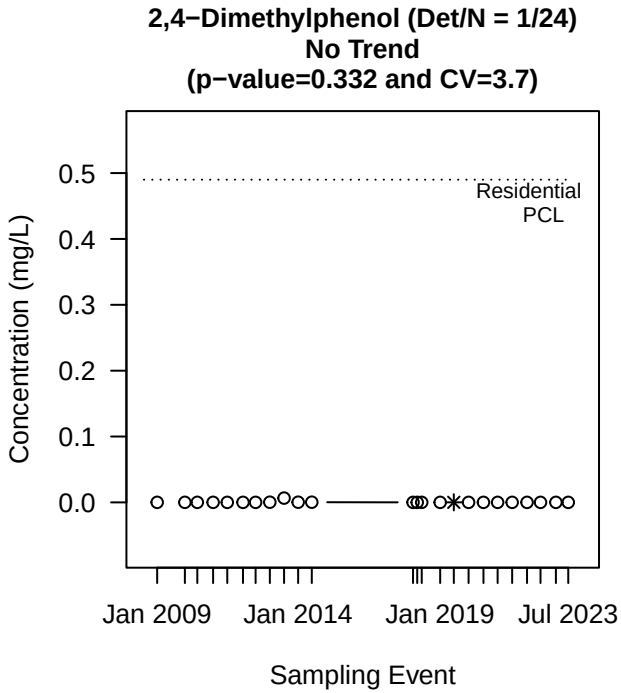


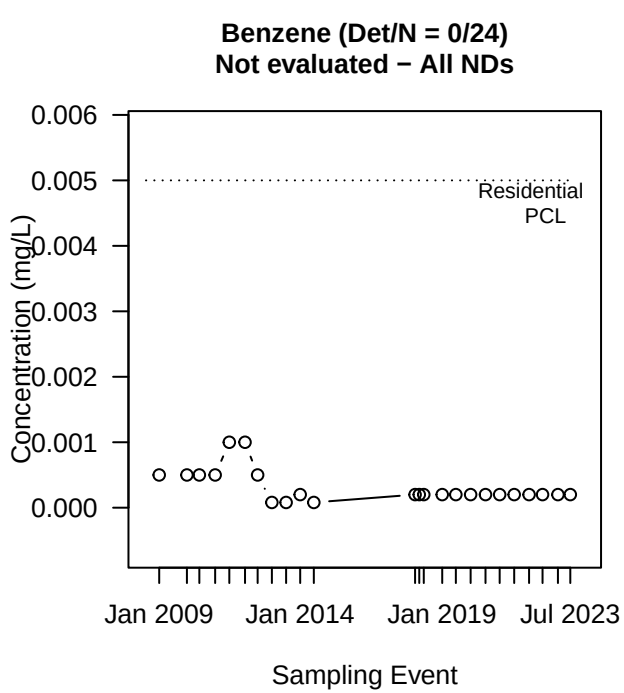


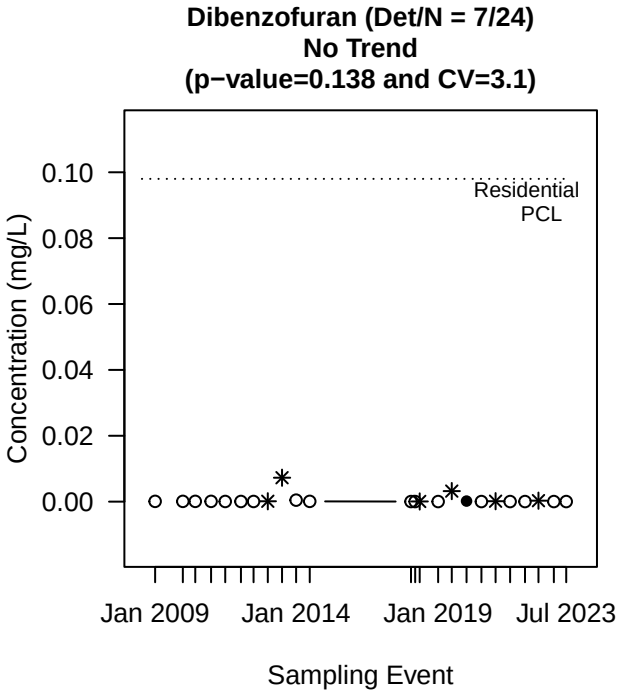
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

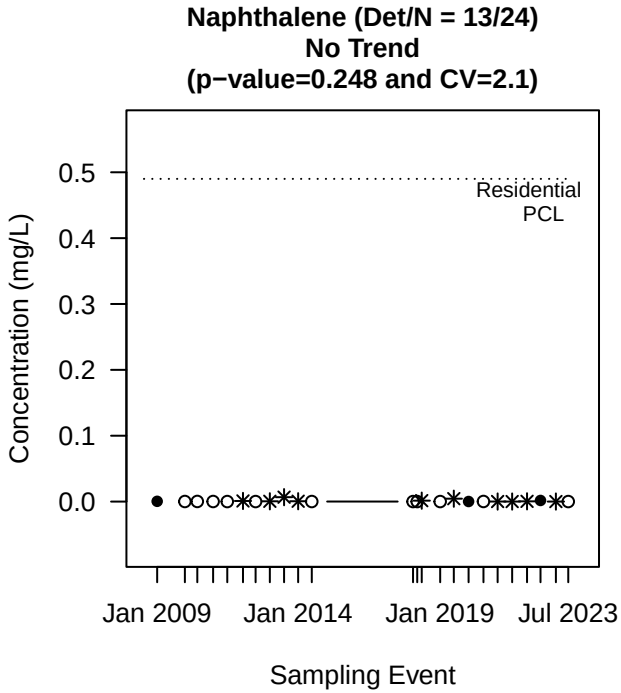
Mann−Kendall Trend Tests for MW−21C

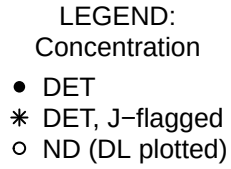








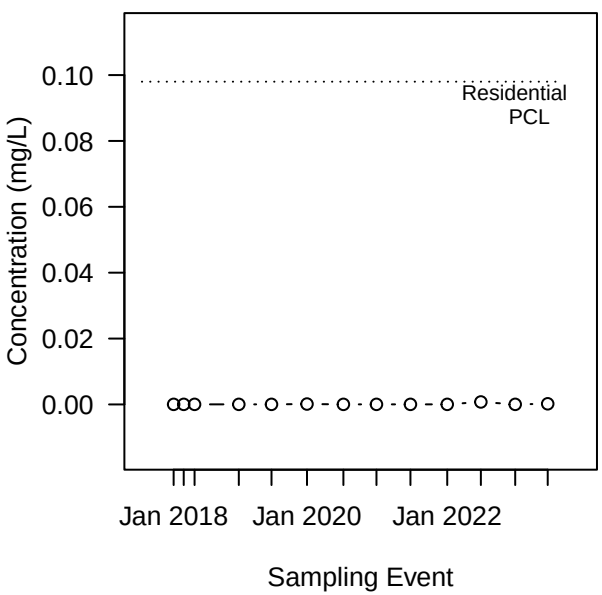




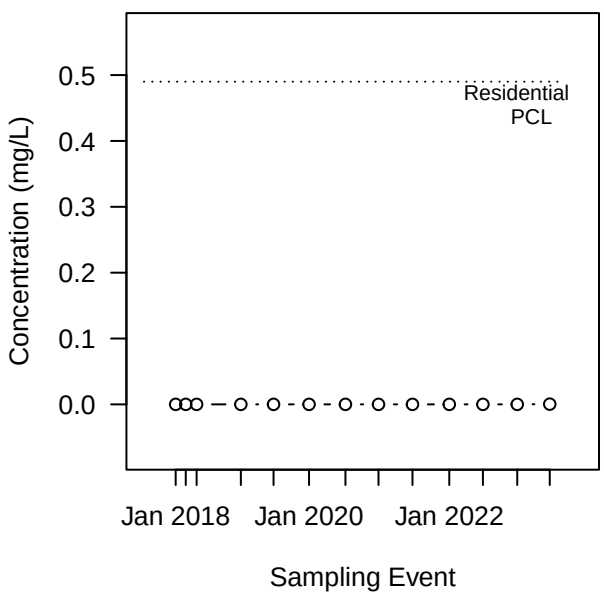
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−22AR

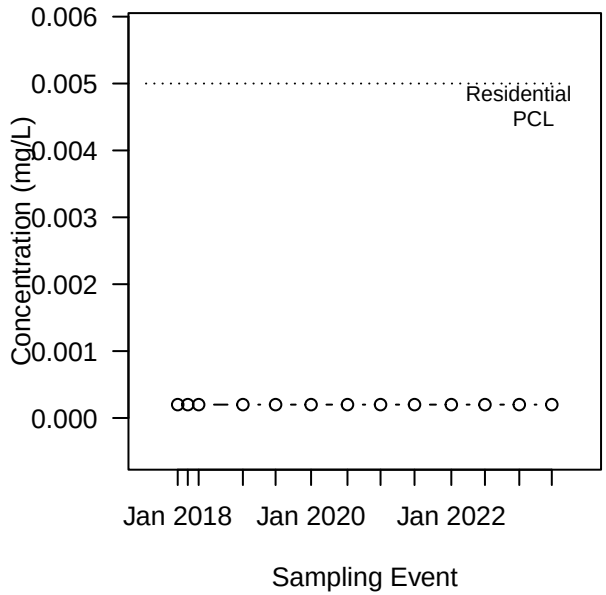
2−Methylnaphthalene (Det/N = 0/13)
Not evaluated − All NDs



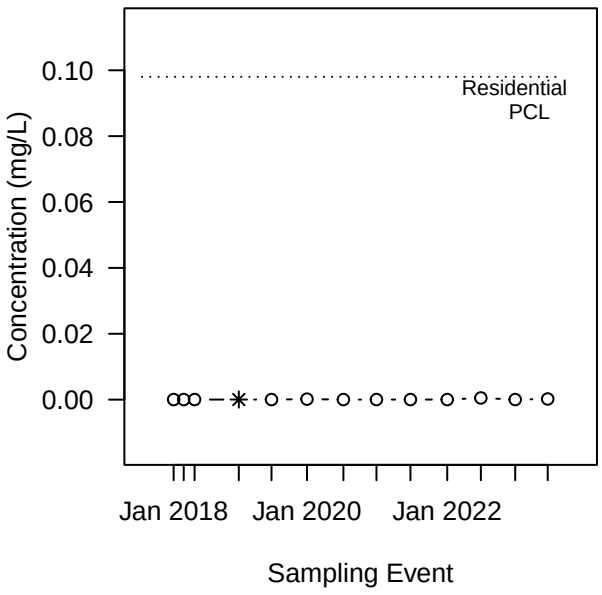
2,4−Dimethylphenol (Det/N = 0/13)
Not evaluated − All NDs



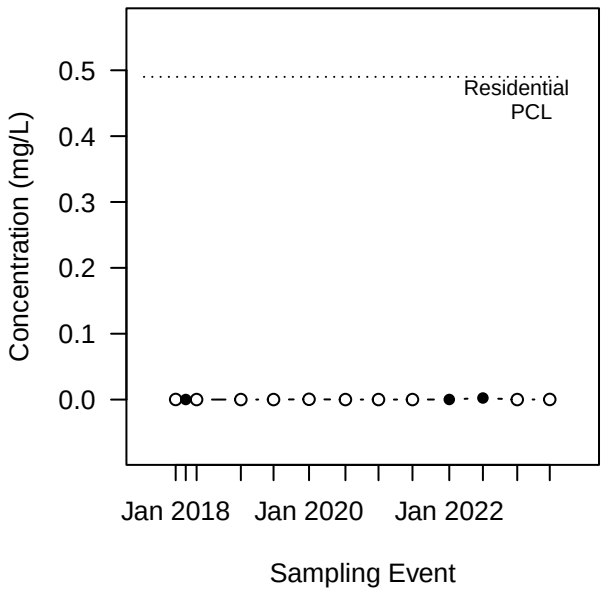
Benzene (Det/N = 0/13)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/13)
No Trend
(p−value=0.252 and CV=1.7)



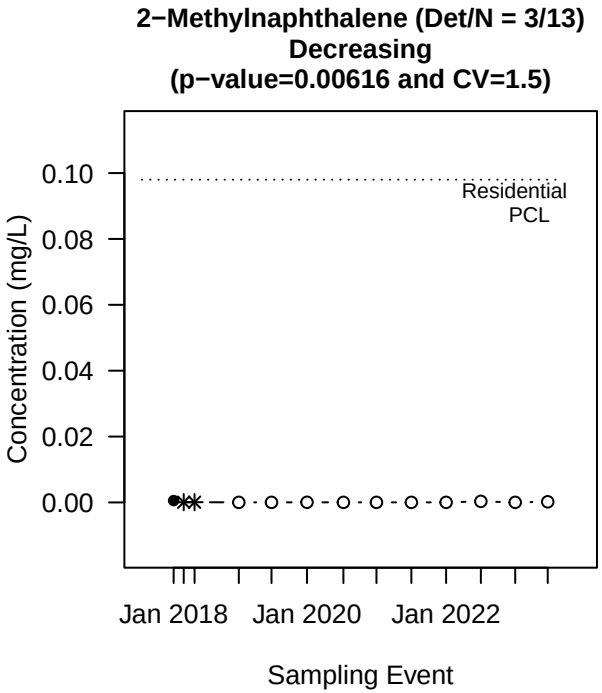
Naphthalene (Det/N = 3/13)
No Trend
(p−value=0.308 and CV=2.3)

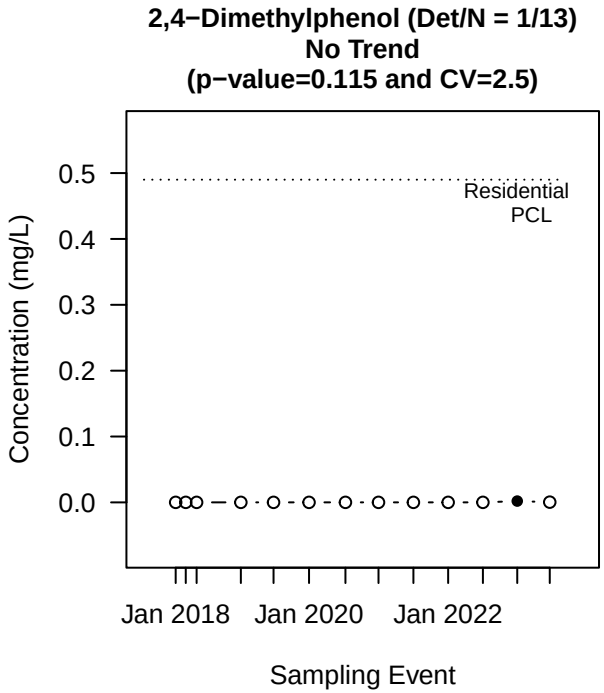


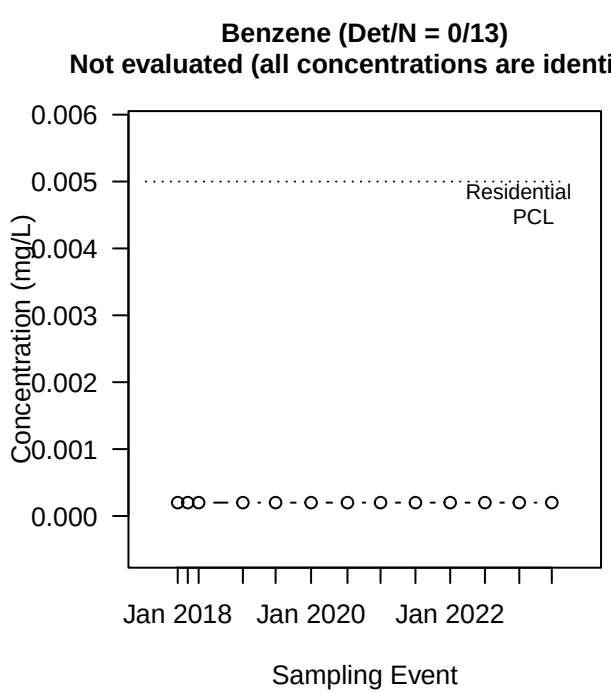
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

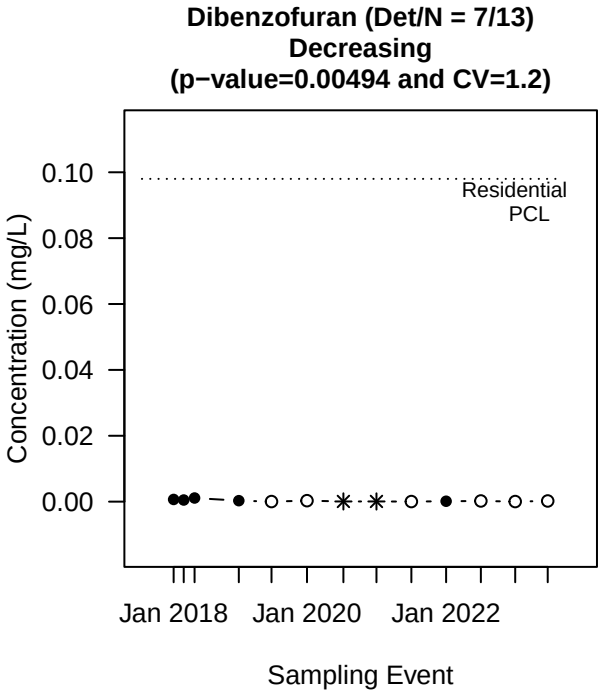
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

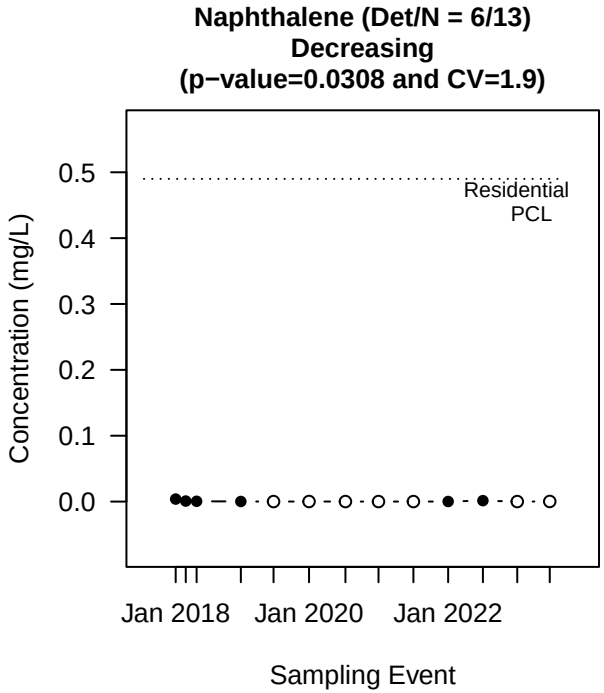
Mann−Kendall Trend Tests for MW−22BR

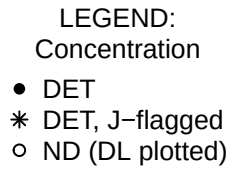






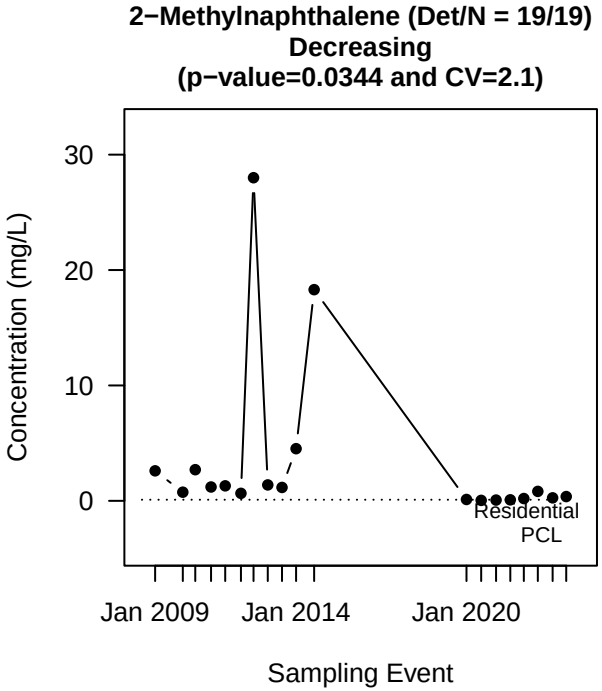


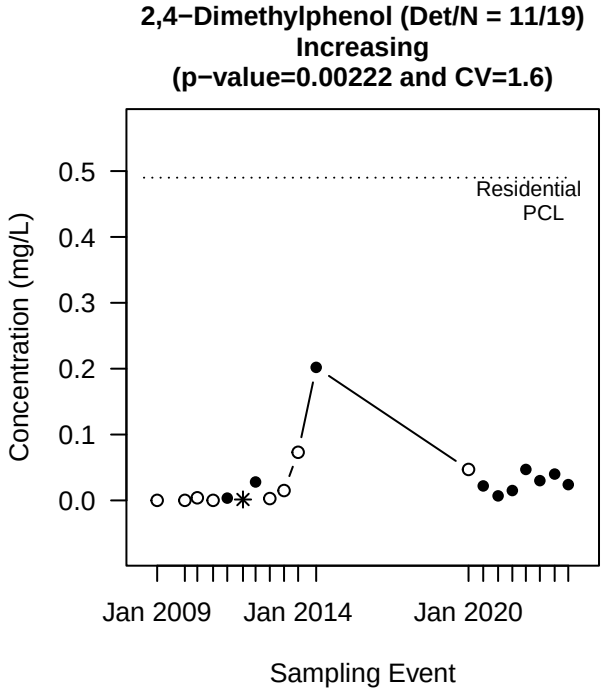


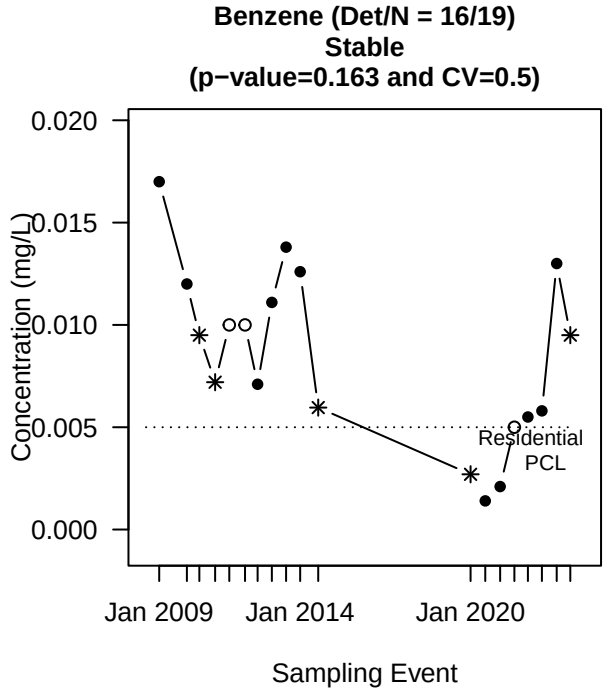


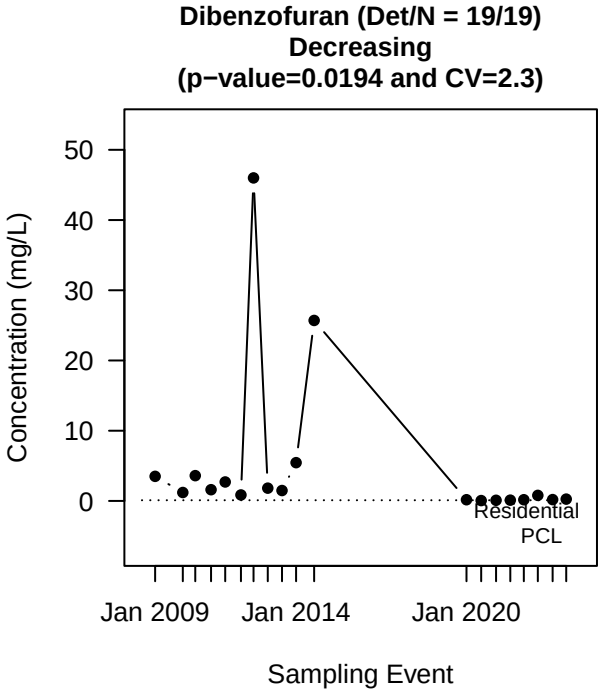
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

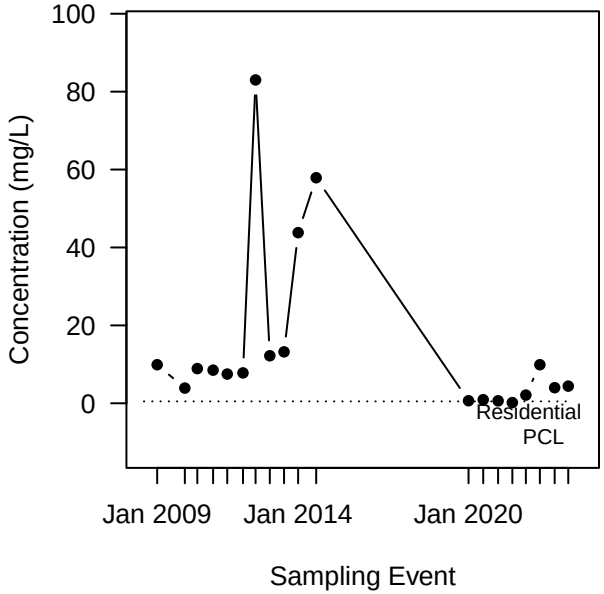
Mann−Kendall Trend Tests for MW−23C









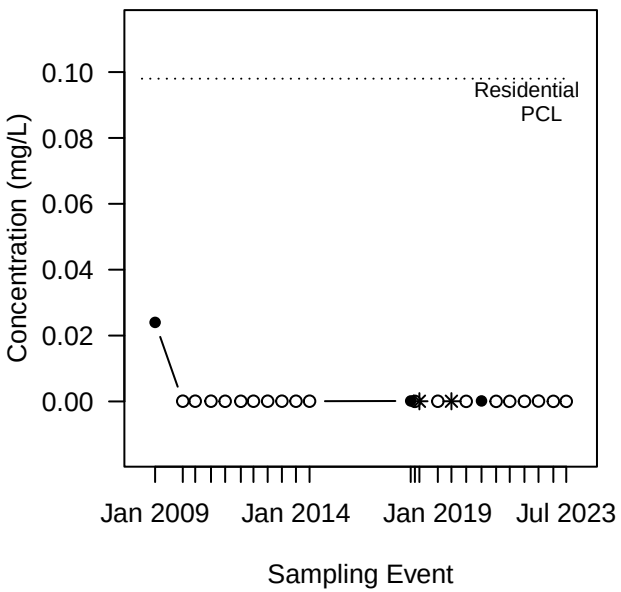


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

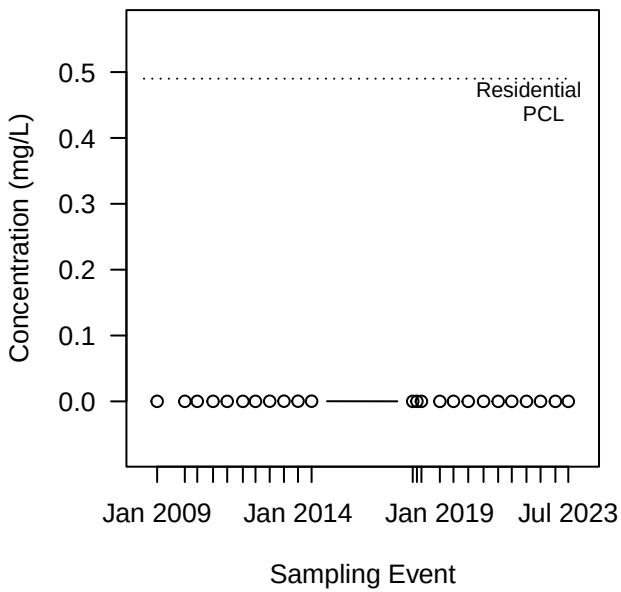
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−25A

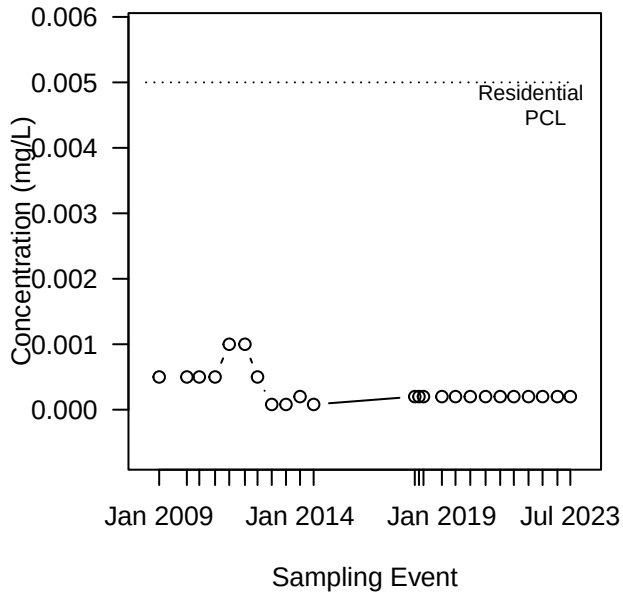
2−Methylnaphthalene (Det/N = 5/24)
No Trend
(p−value=0.444 and CV=4.6)



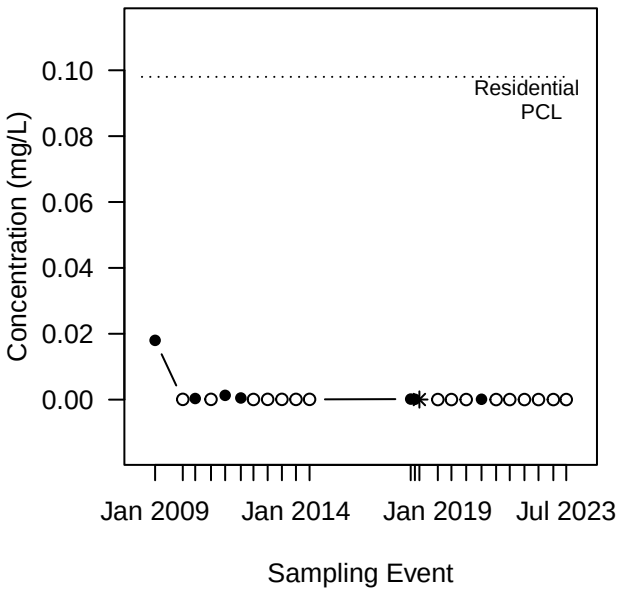
2,4−Dimethylphenol (Det/N = 0/24)
Not evaluated − All NDs



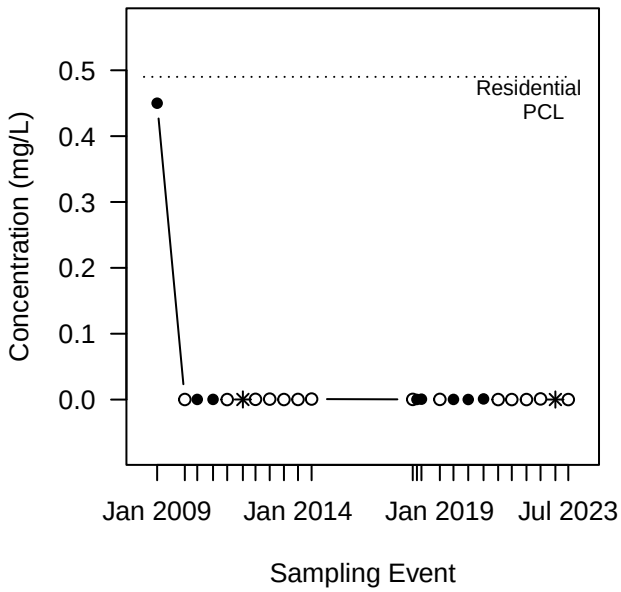
Benzene (Det/N = 0/24)
Not evaluated − All NDs



Dibenzofuran (Det/N = 8/24)
Decreasing
(p−value=0.0119 and CV=4.1)



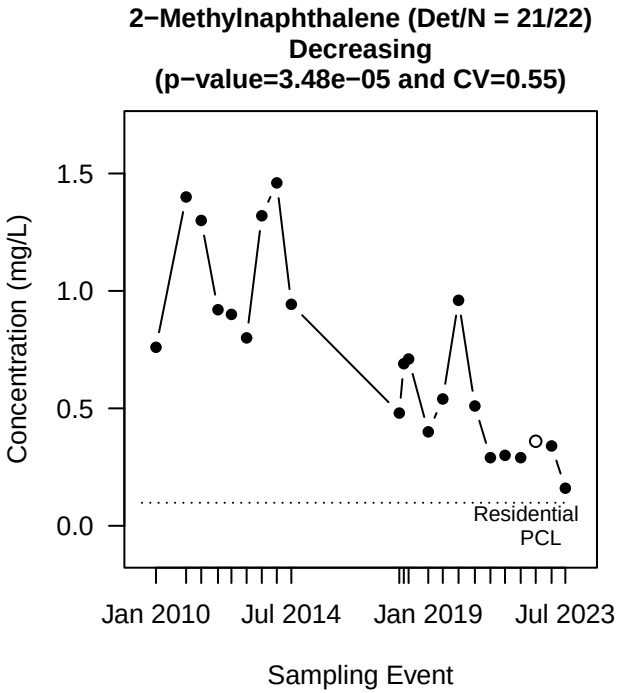
Naphthalene (Det/N = 10/24)
No Trend
(p−value=0.172 and CV=4.8)

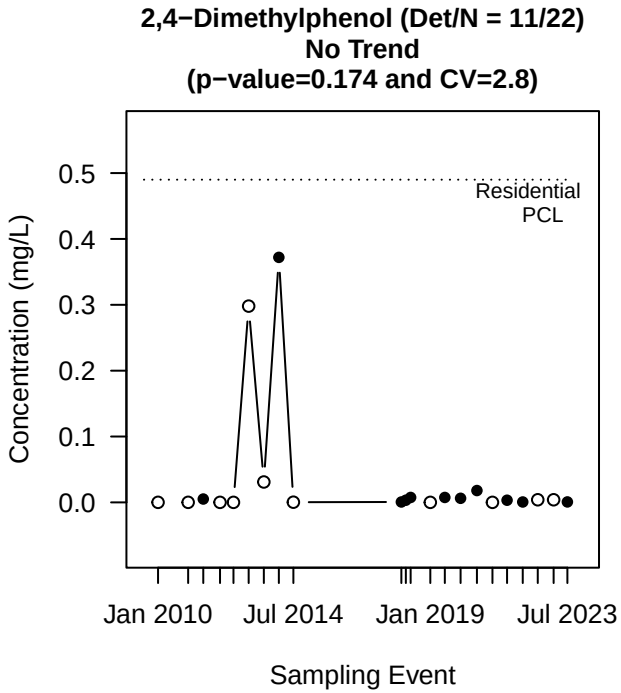


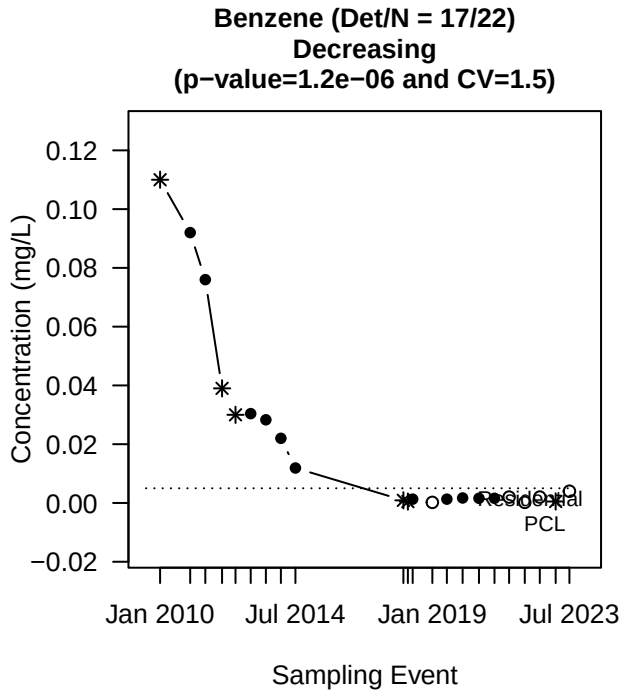
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

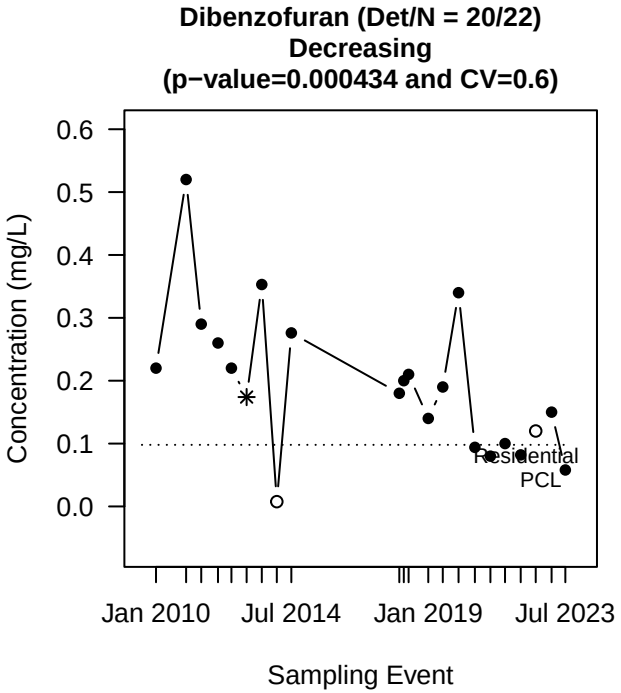
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

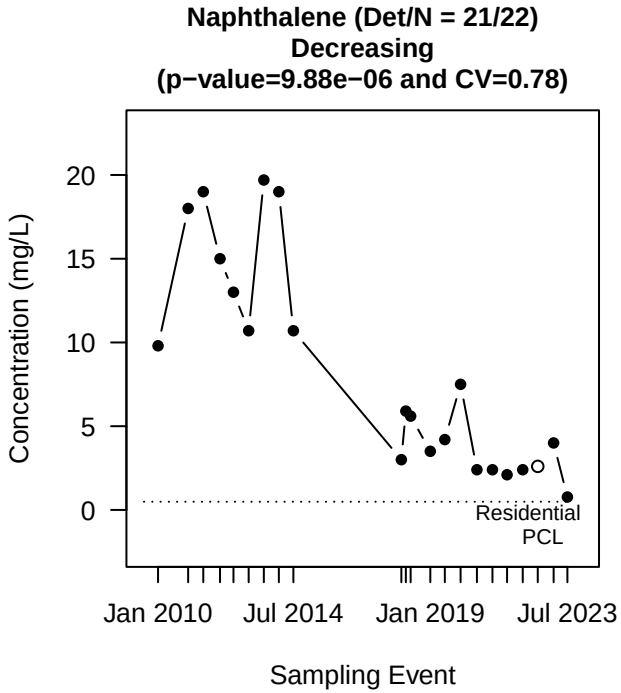
Mann−Kendall Trend Tests for MW−25C

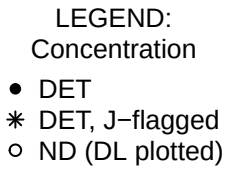








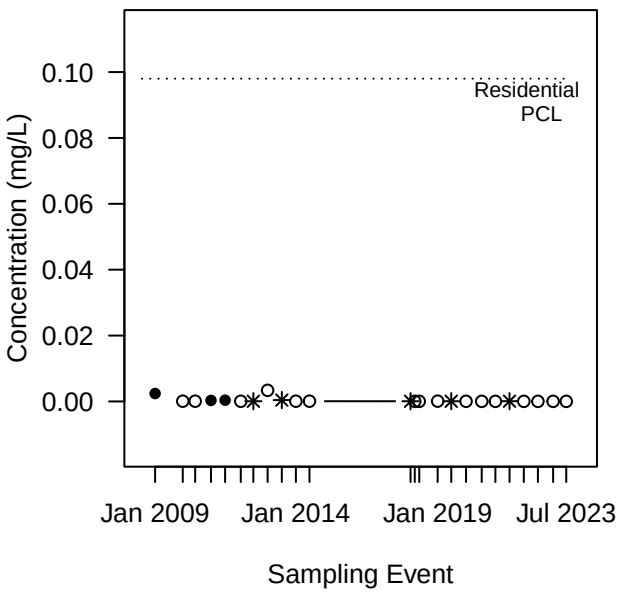




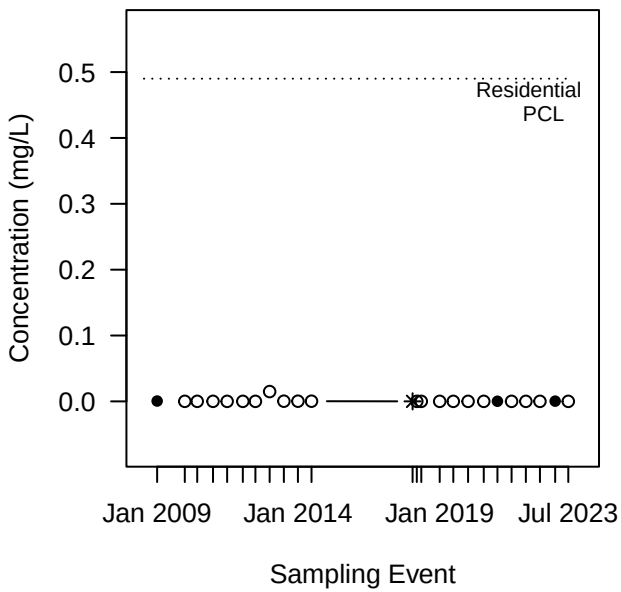
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−26A

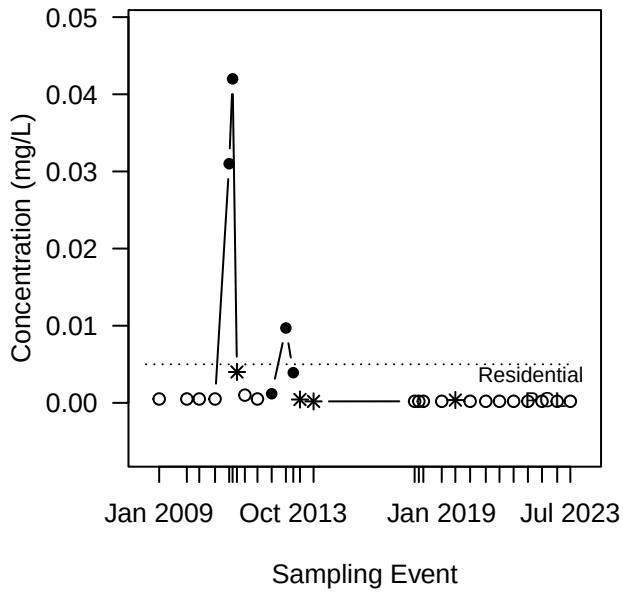
2−Methylnaphthalene (Det/N = 8/24)
Decreasing
(p−value=0.0349 and CV=2.5)



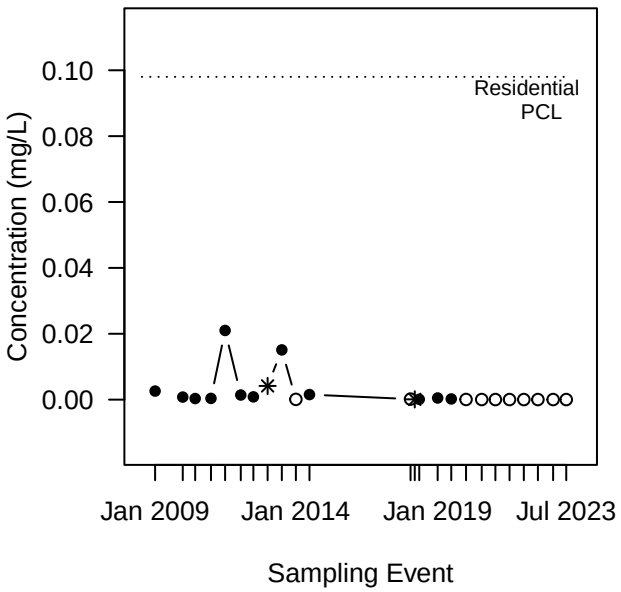
2,4−Dimethylphenol (Det/N = 4/24)
No Trend
(p−value=0.365 and CV=4.1)



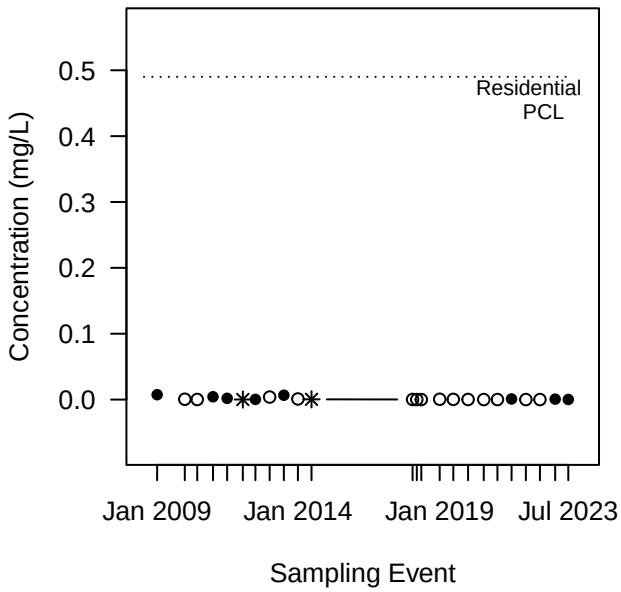
Benzene (Det/N = 9/27)
Decreasing
(p−value=0.0191 and CV=2.7)



Dibenzofuran (Det/N = 14/24)
Decreasing
(p−value=0.000151 and CV=2.5)



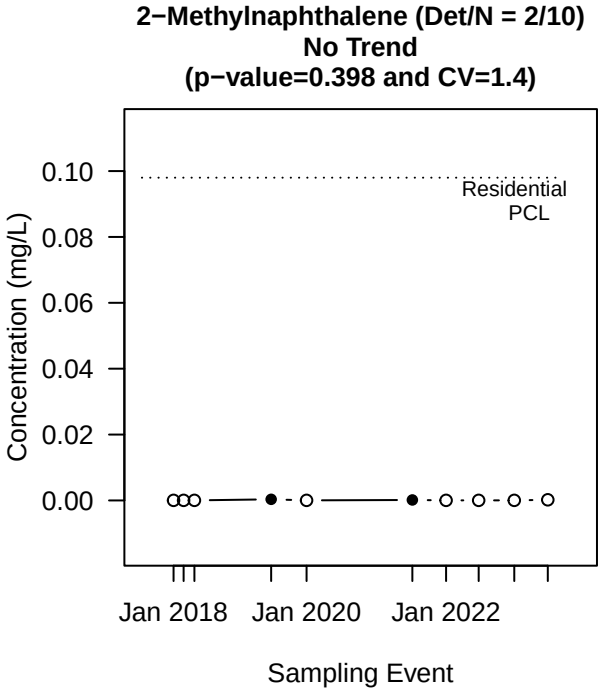
Naphthalene (Det/N = 10/24)
No Trend
(p−value=0.1 and CV=1.7)

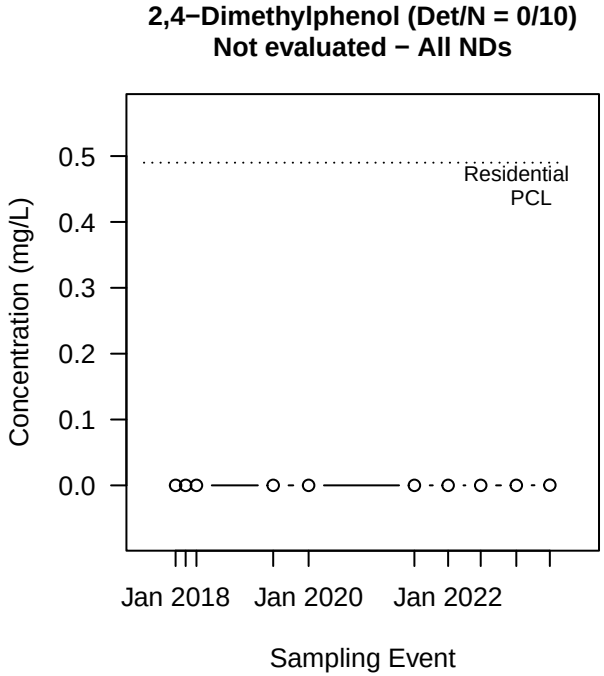


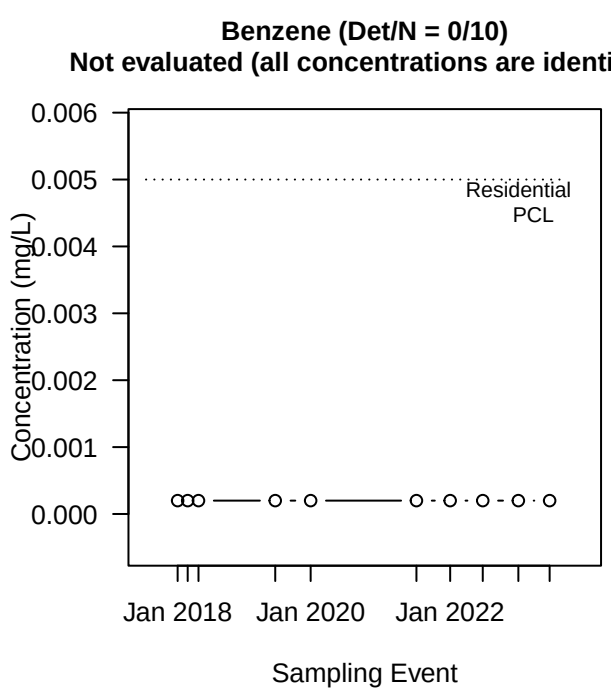
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

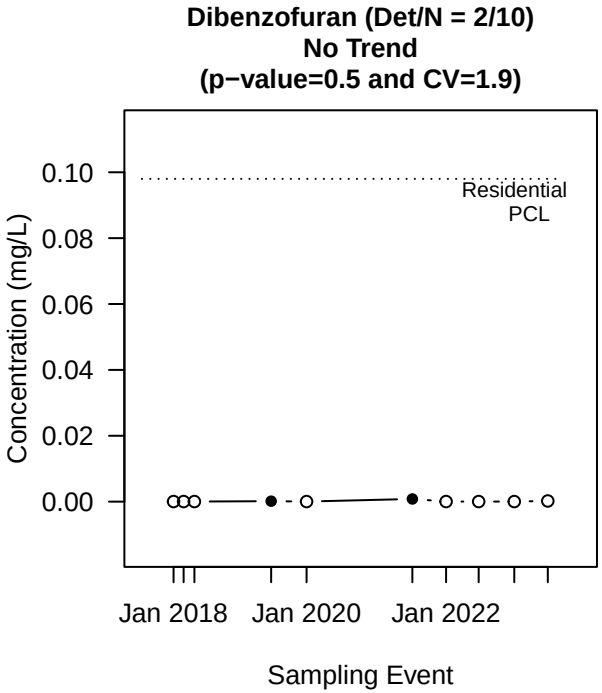
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

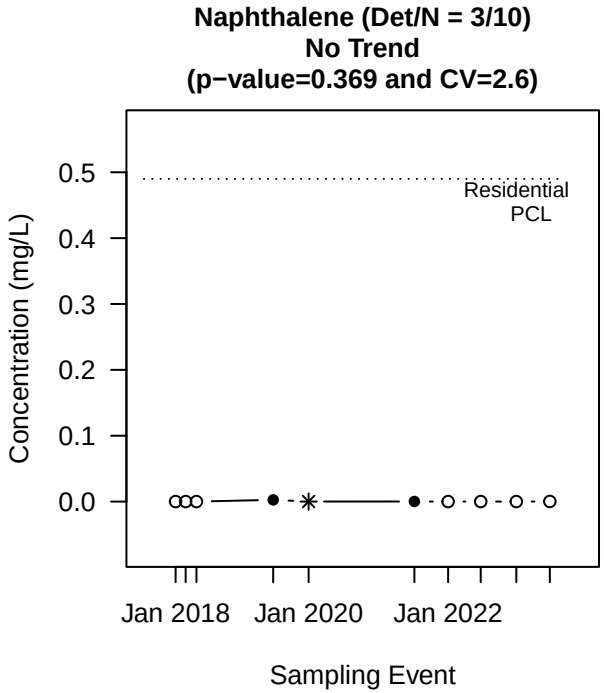
Mann−Kendall Trend Tests for MW−27A

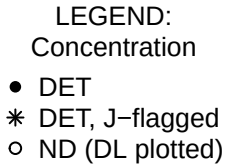








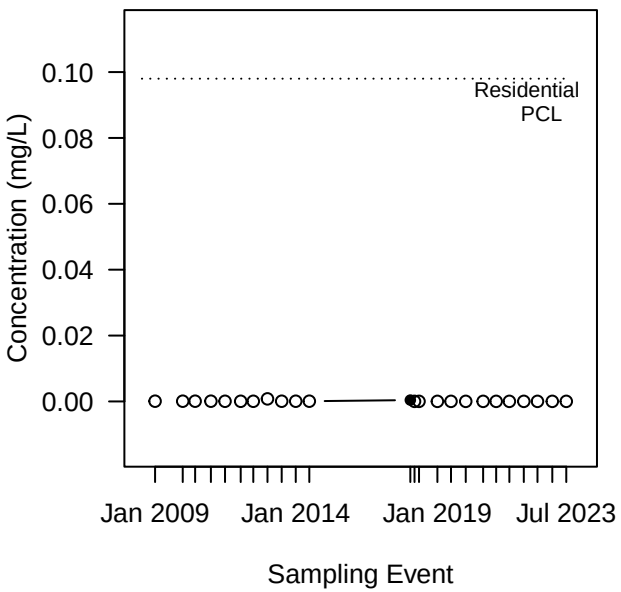




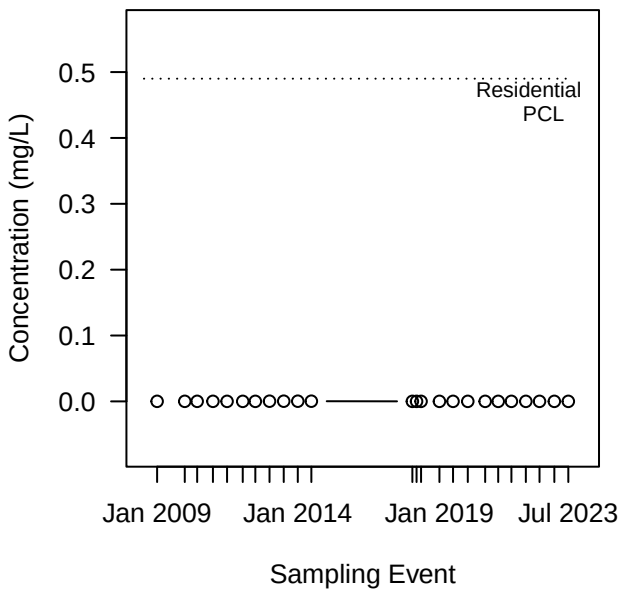
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−27C

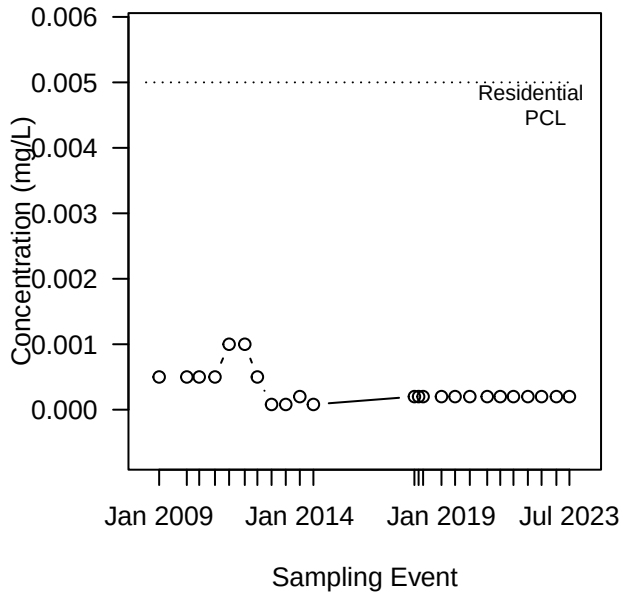
2−Methylnaphthalene (Det/N = 1/24)
No Trend
(p−value=0.5 and CV=2)



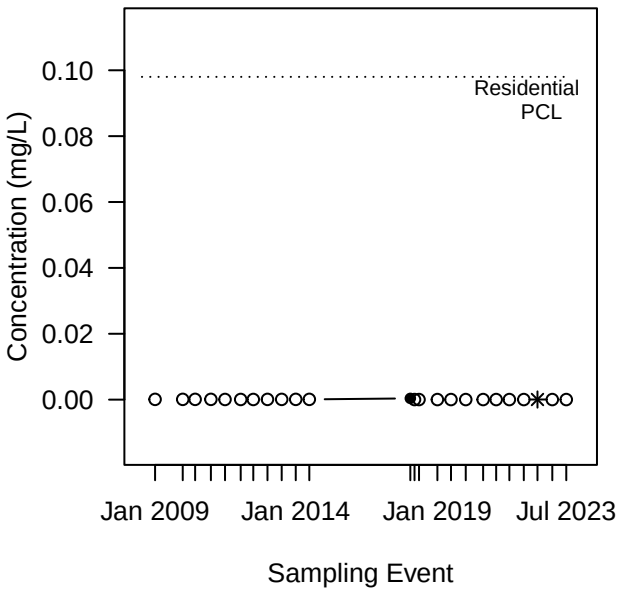
2,4−Dimethylphenol (Det/N = 0/24)
Not evaluated − All NDs



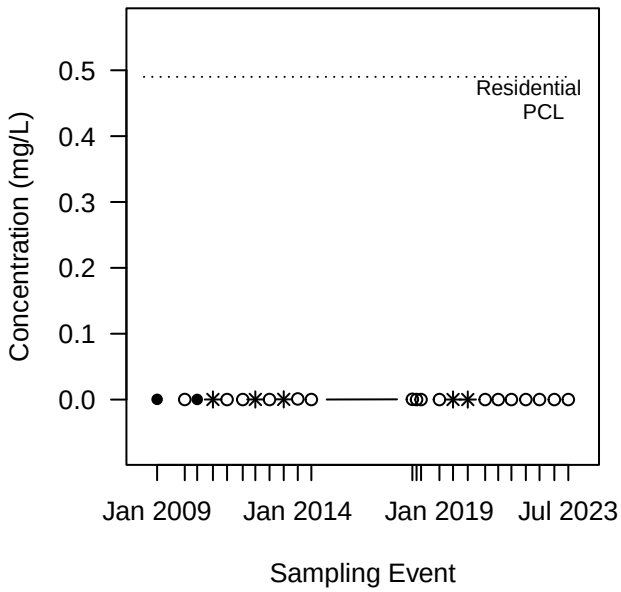
Benzene (Det/N = 0/24)
Not evaluated − All NDs



Dibenzofuran (Det/N = 2/24)
No Trend
(p−value=0.202 and CV=1.2)



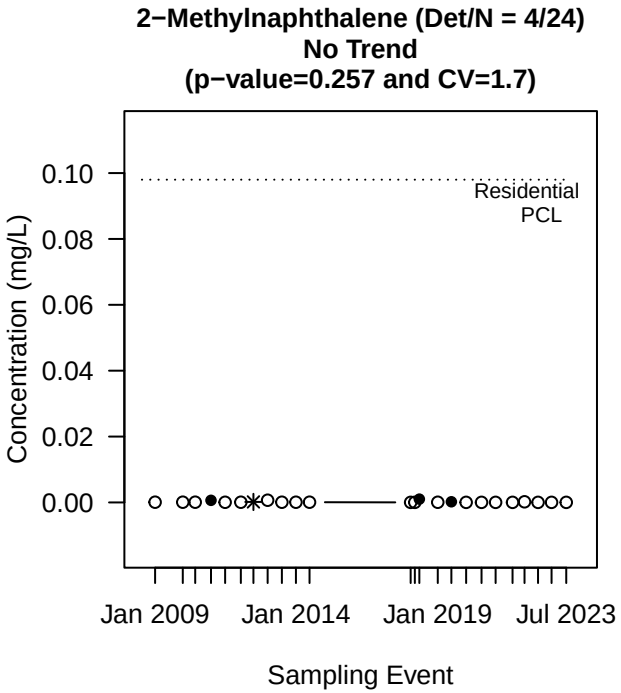
Naphthalene (Det/N = 7/24)
Decreasing
(p−value=0.0117 and CV=1.5)

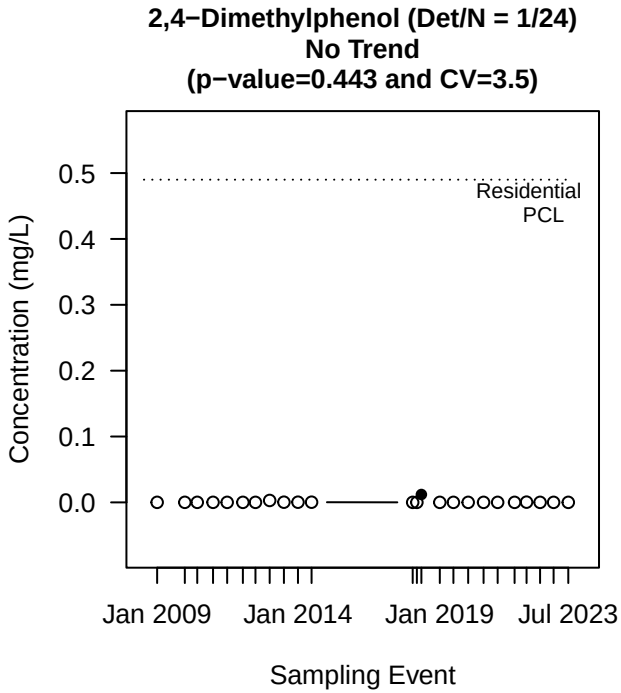


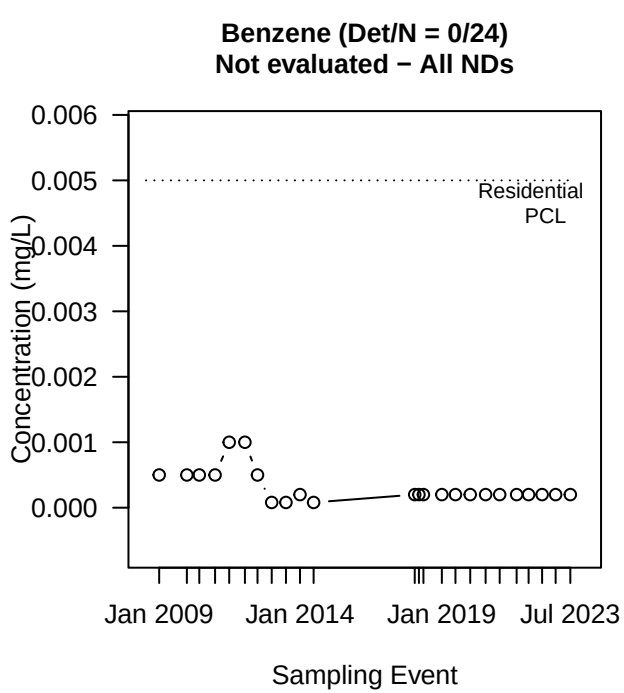
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

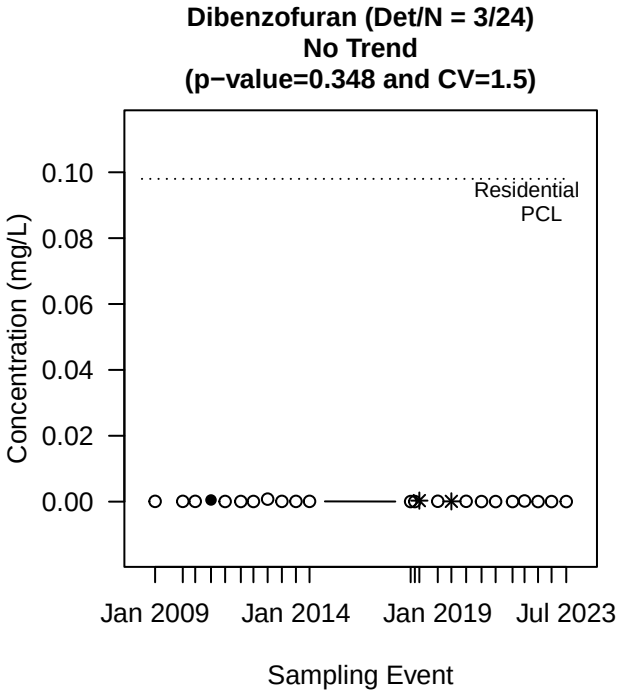
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

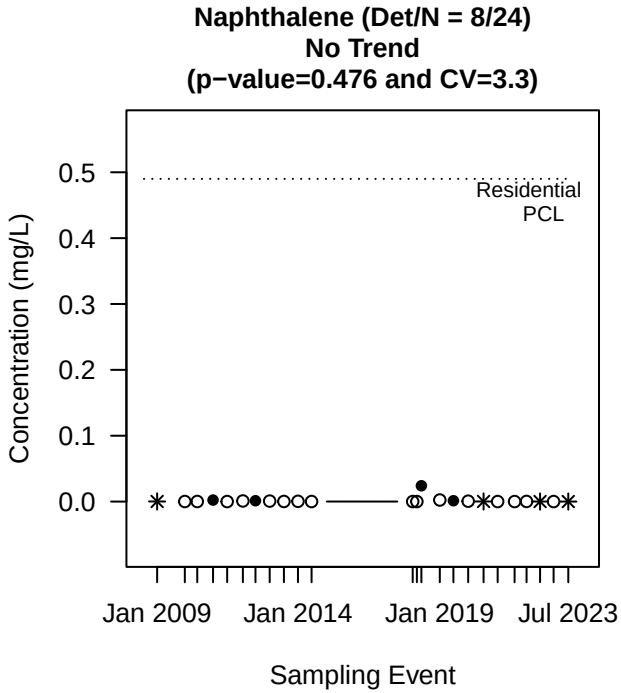
Mann−Kendall Trend Tests for MW−28A

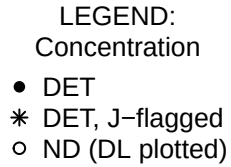








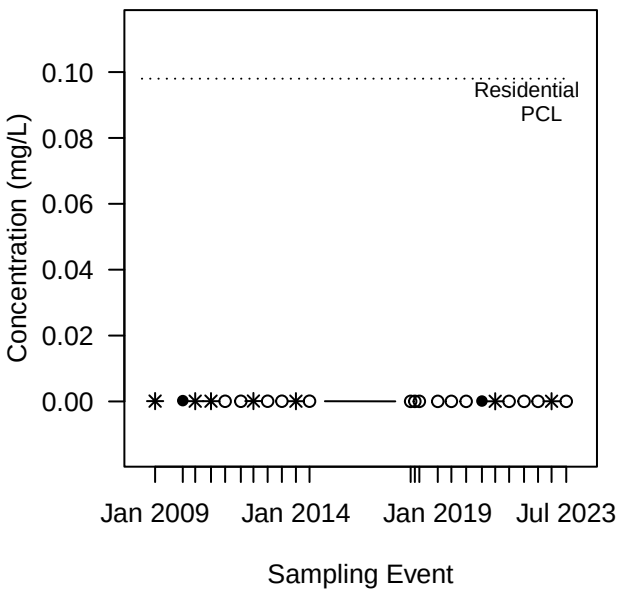




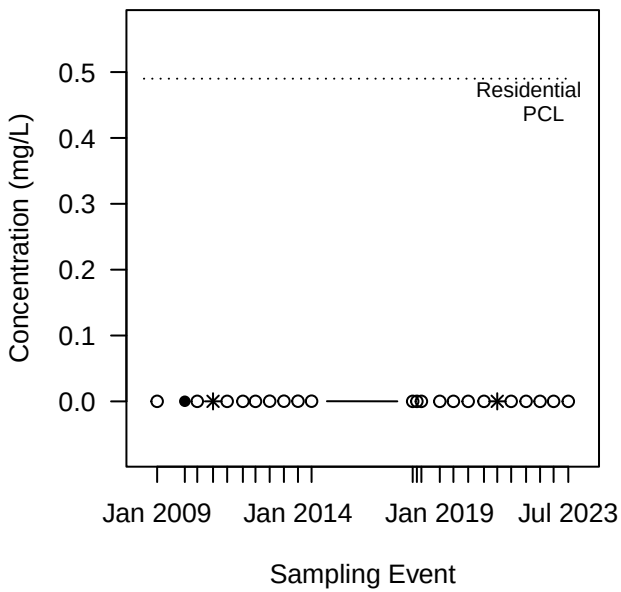
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−28C

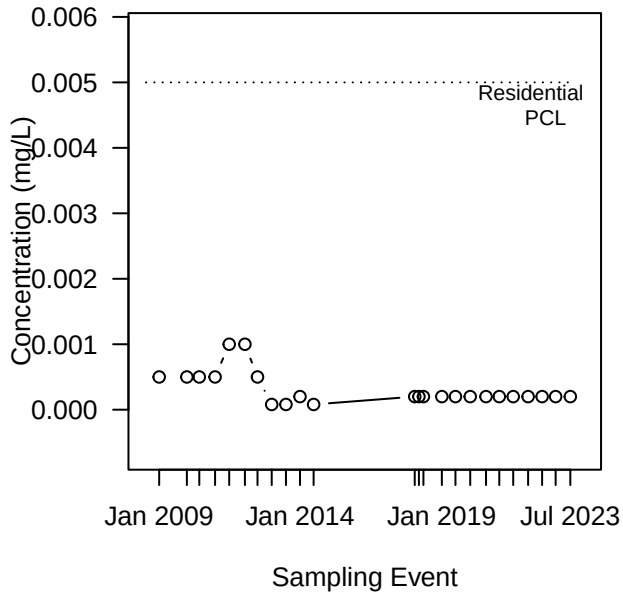
2−Methylnaphthalene (Det/N = 9/24)
Decreasing
(p−value=0.0333 and CV=0.87)



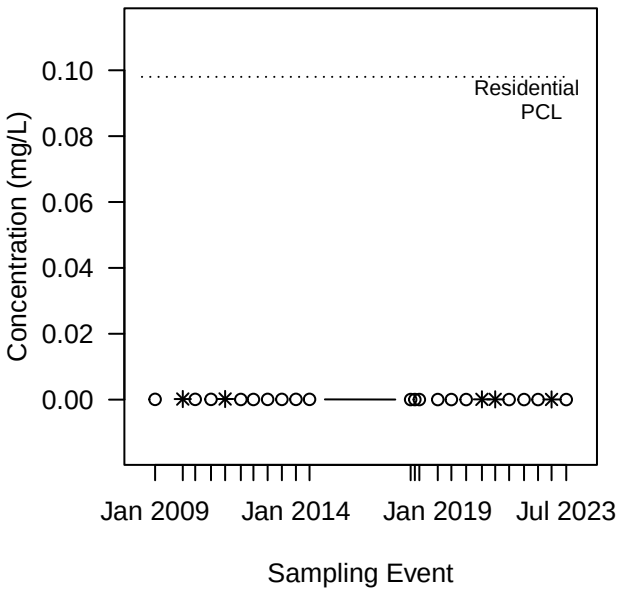
2,4−Dimethylphenol (Det/N = 3/24)
Stable
(p−value=0.12 and CV=1)



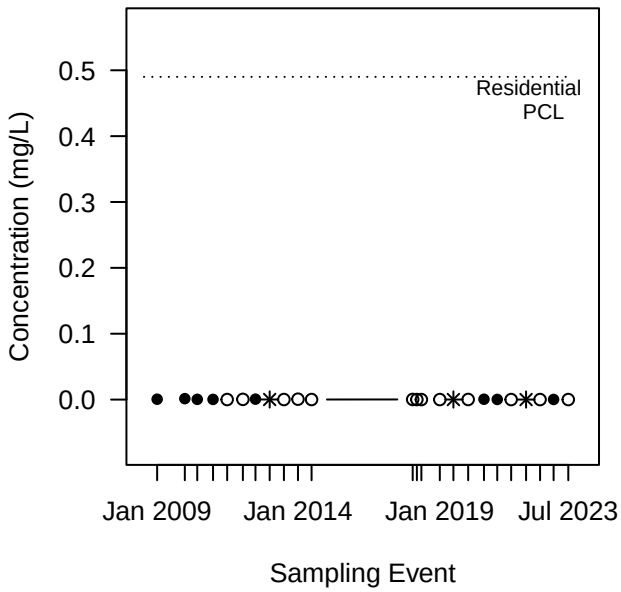
Benzene (Det/N = 0/24)
Not evaluated − All NDs



Dibenzofuran (Det/N = 5/24)
No Trend
(p−value=0.5 and CV=0.79)



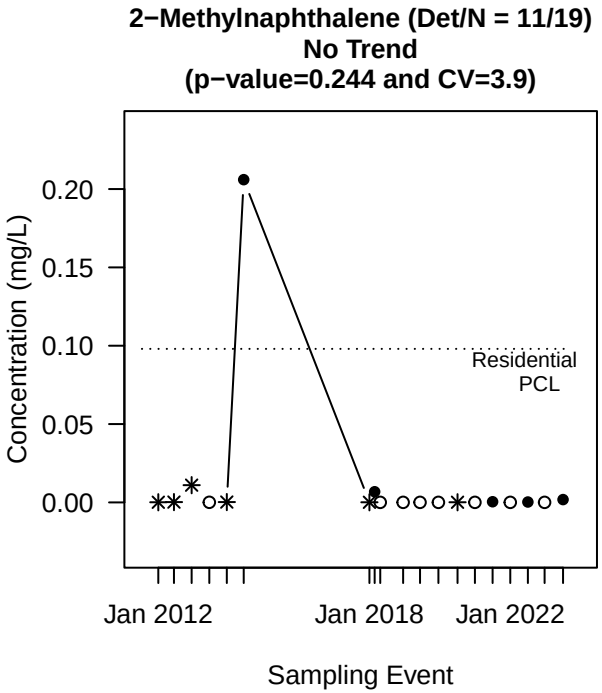
Naphthalene (Det/N = 11/24)
Probably Decreasing
(p−value=0.0546 and CV=1.2)

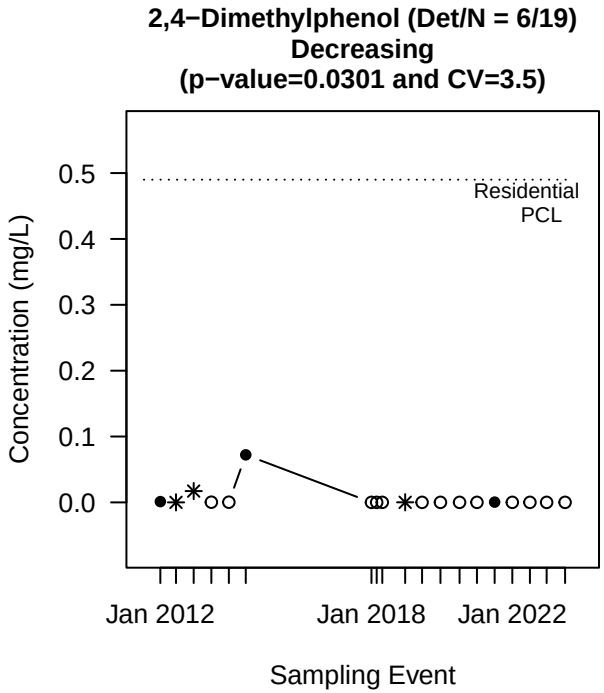


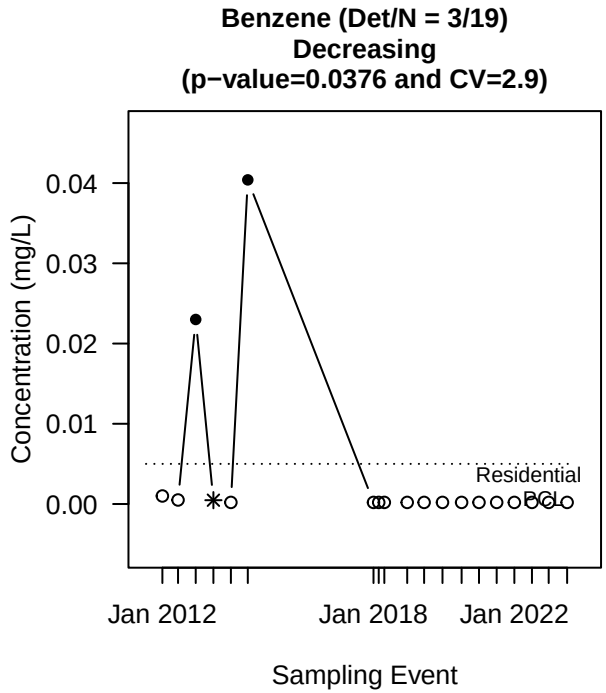
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

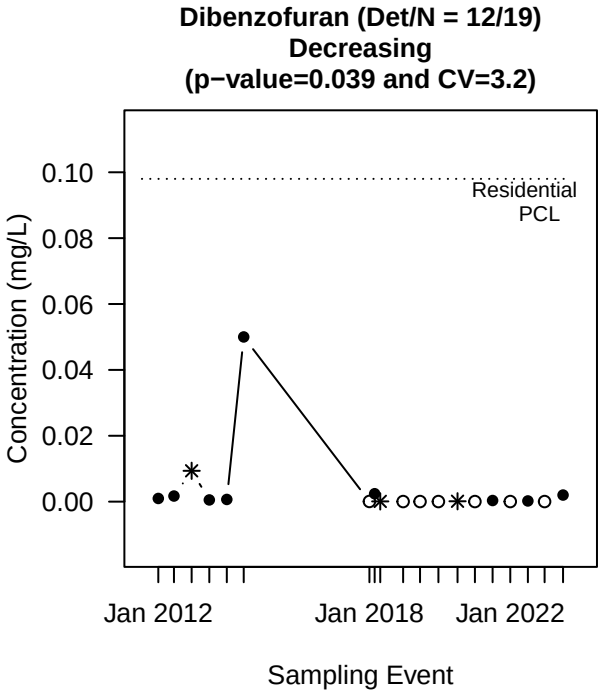
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

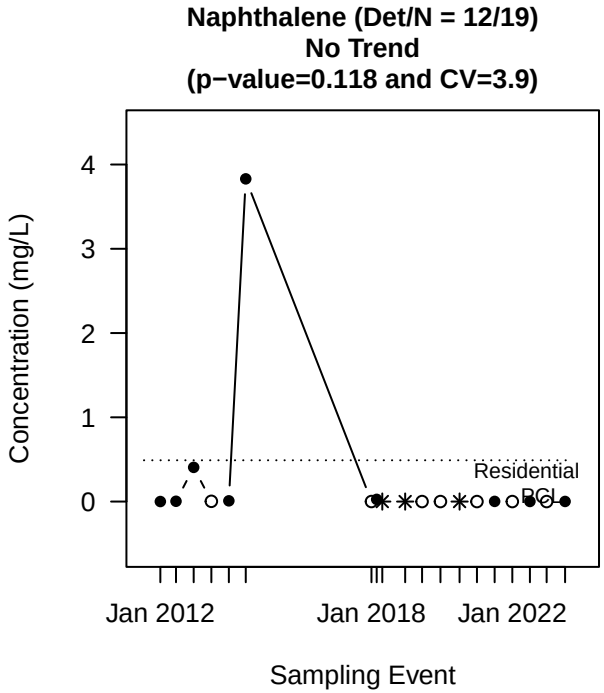
Mann−Kendall Trend Tests for MW−32AR

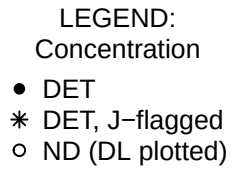






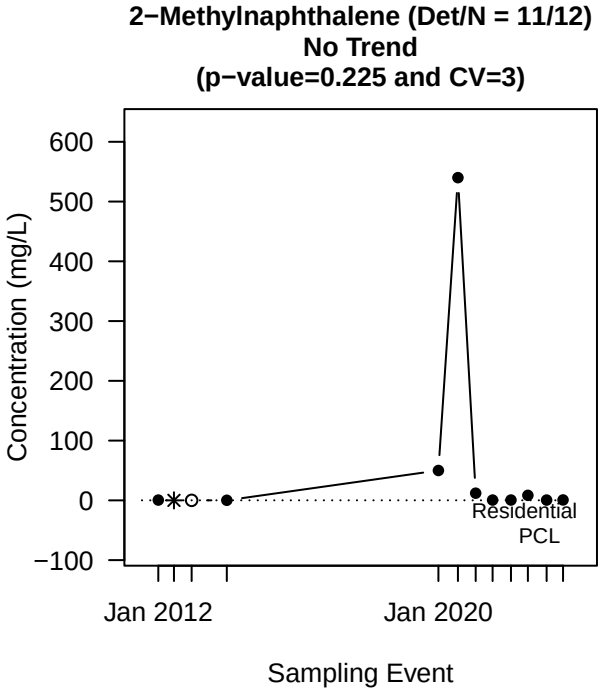


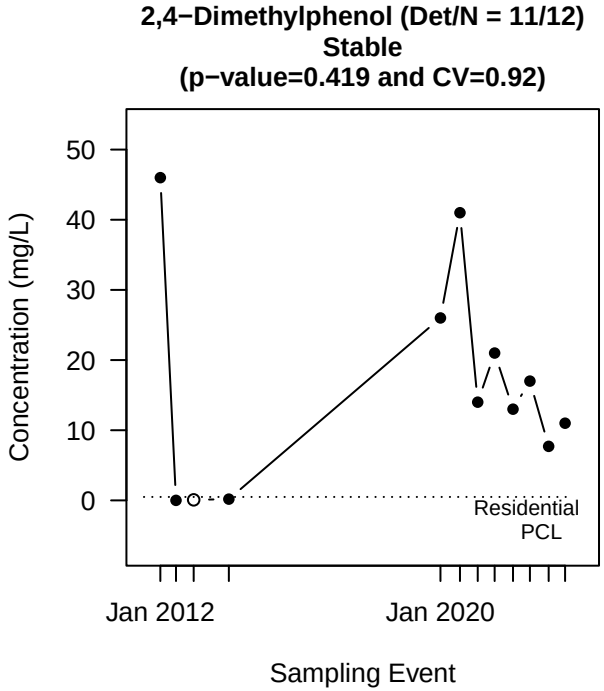


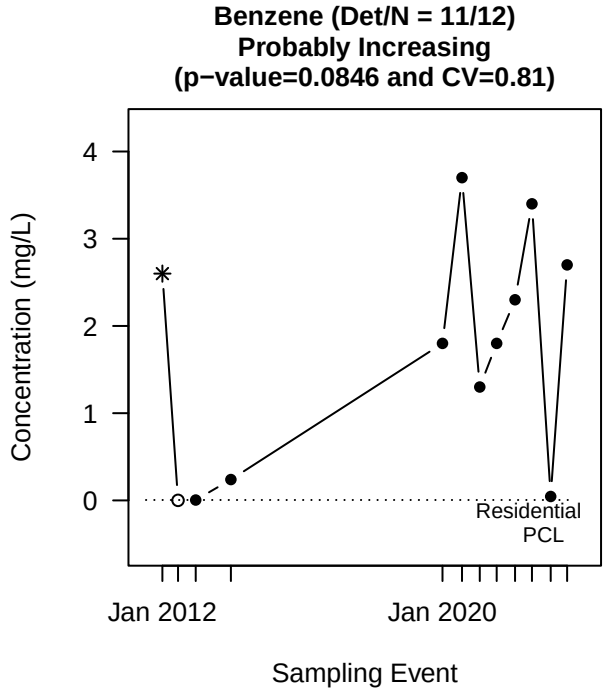


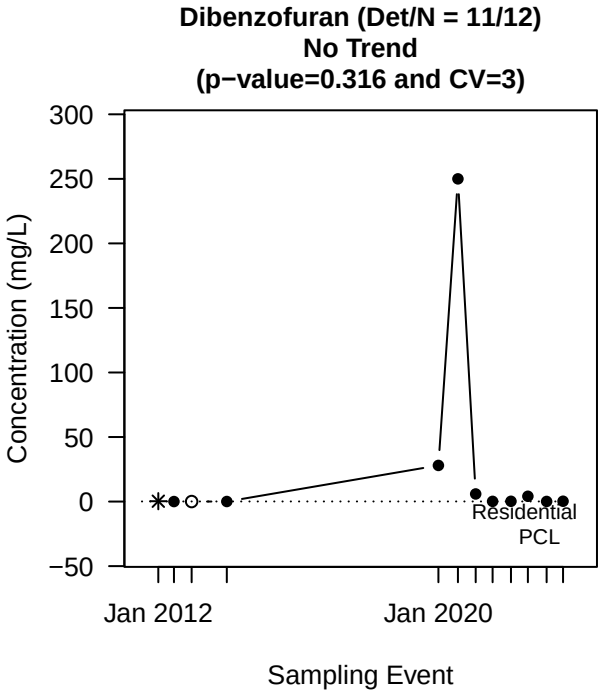
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

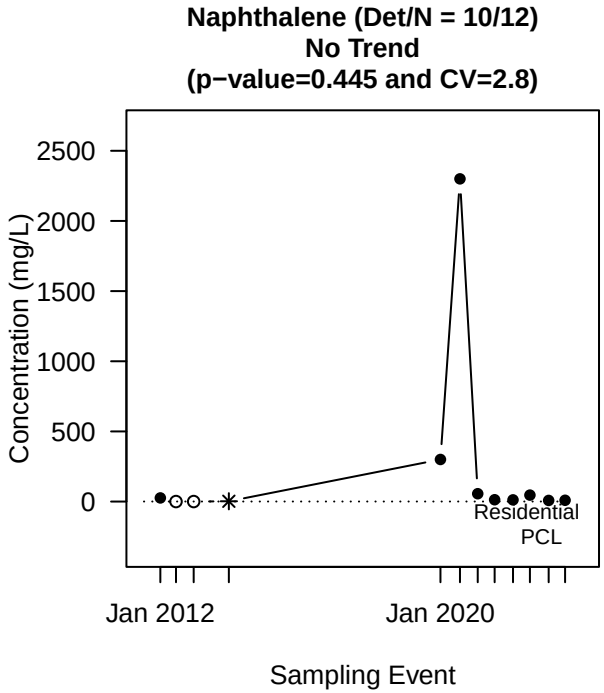
Mann−Kendall Trend Tests for MW−32B







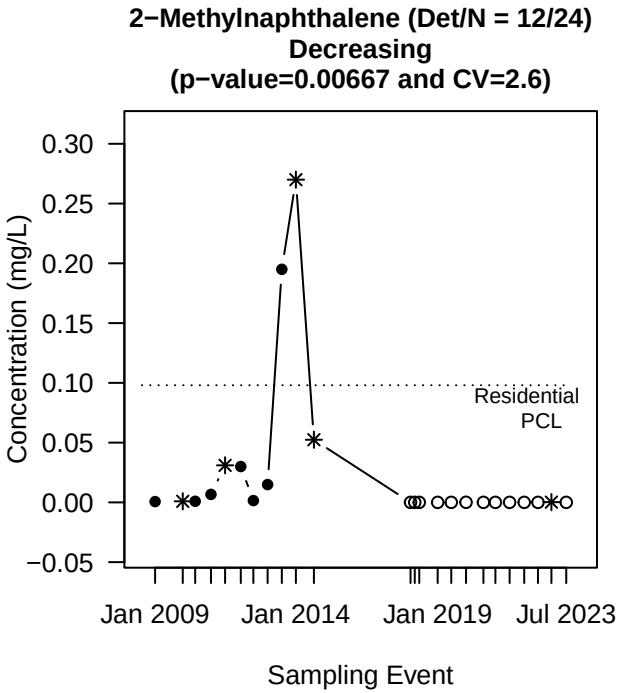


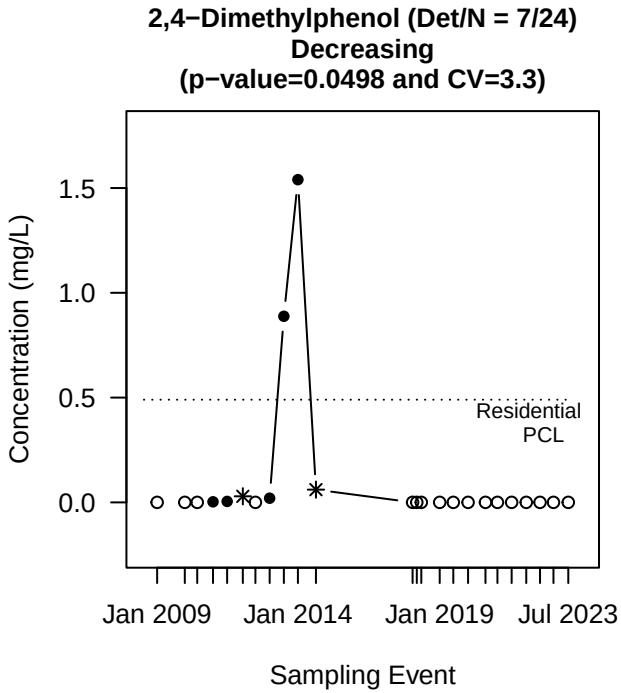


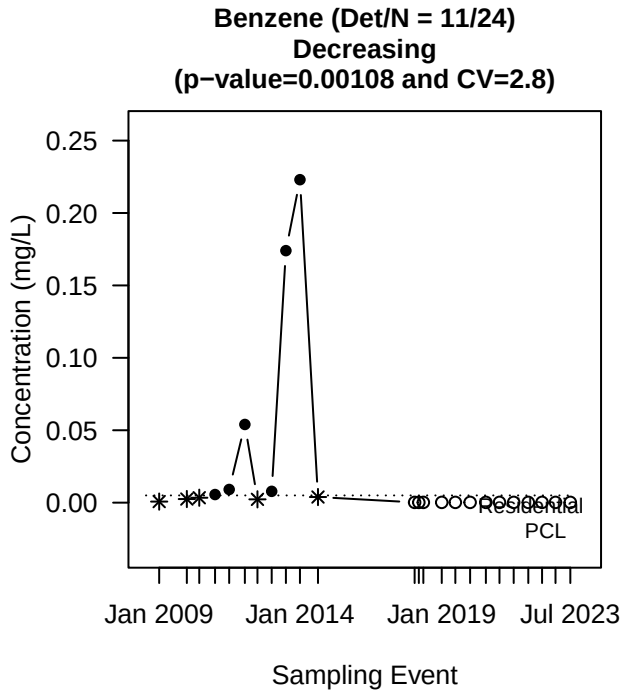
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

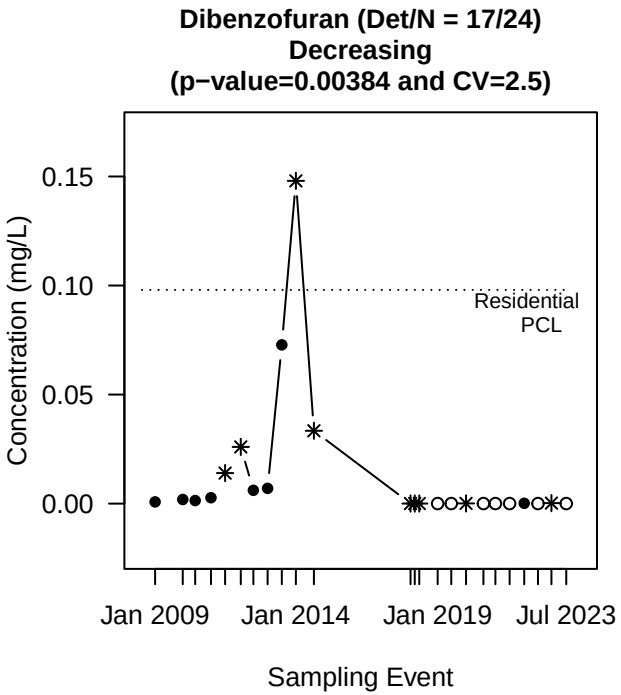
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

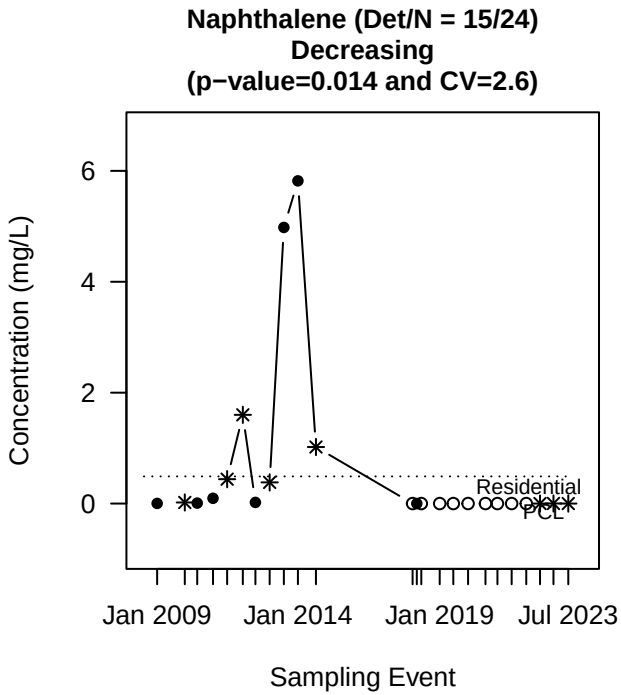
Mann−Kendall Trend Tests for MW−33A

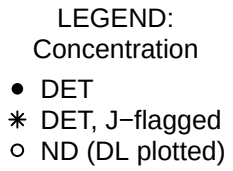






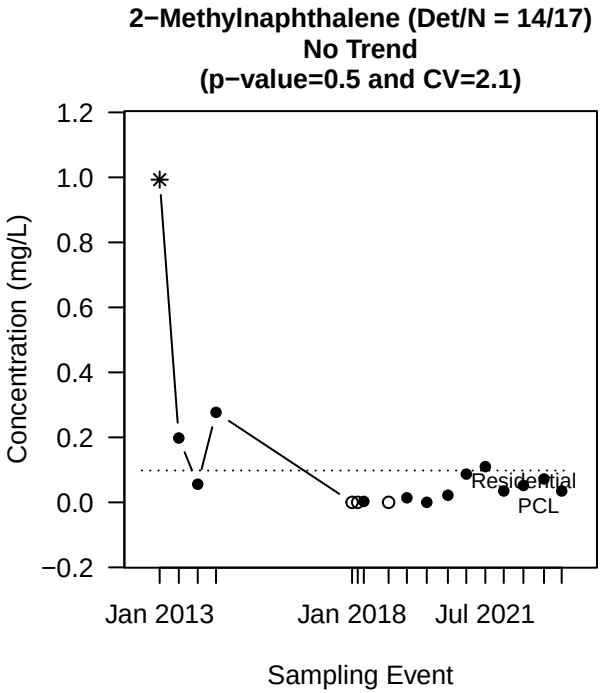


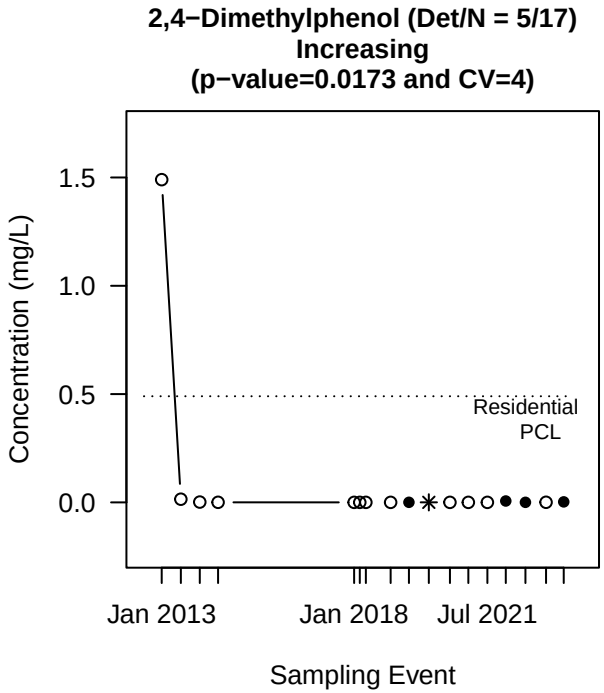


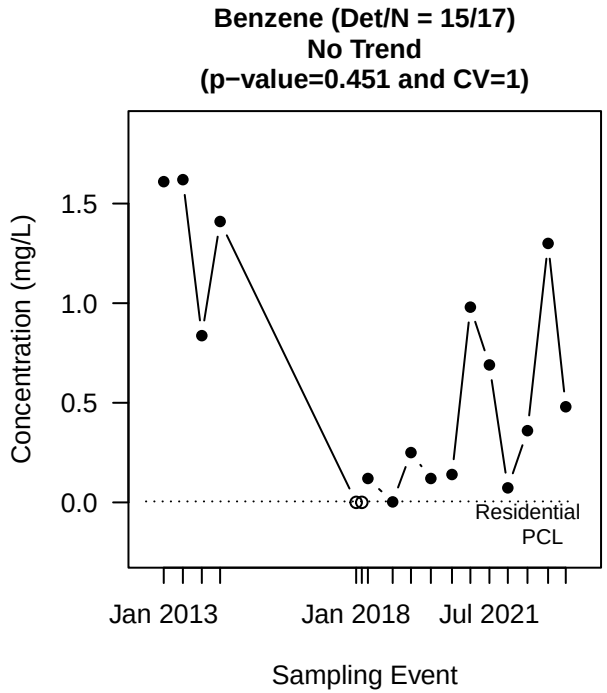


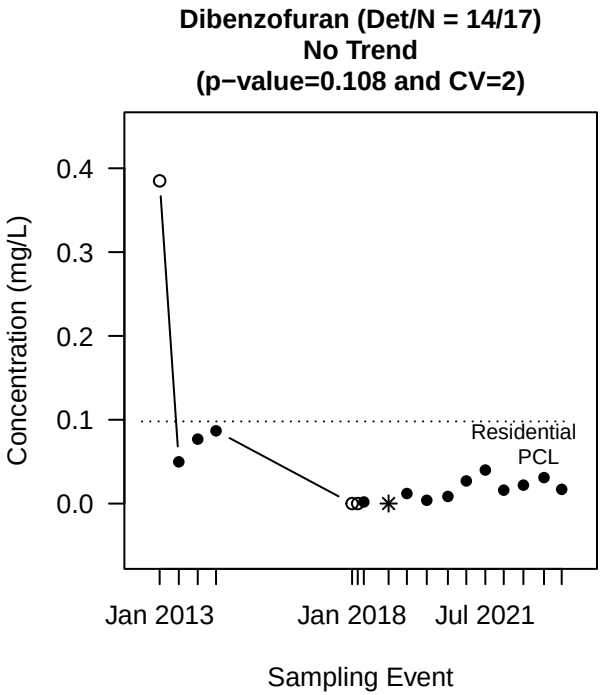
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

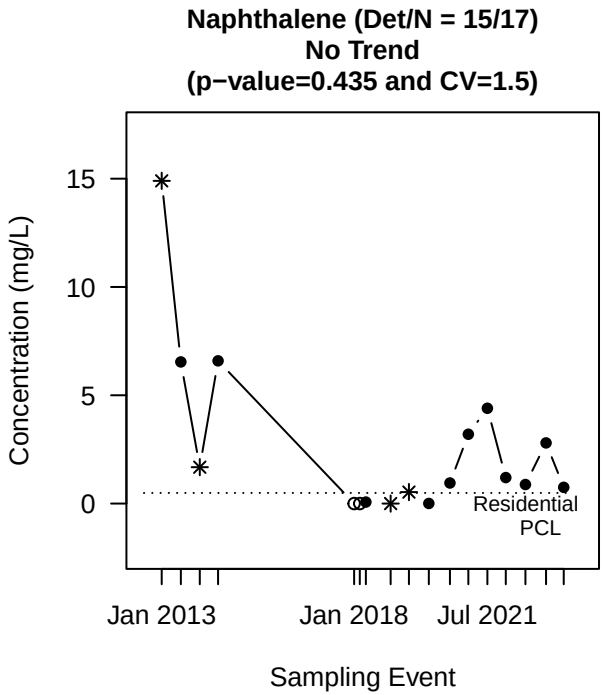
Mann−Kendall Trend Tests for MW−33BR

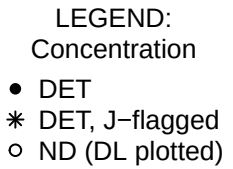






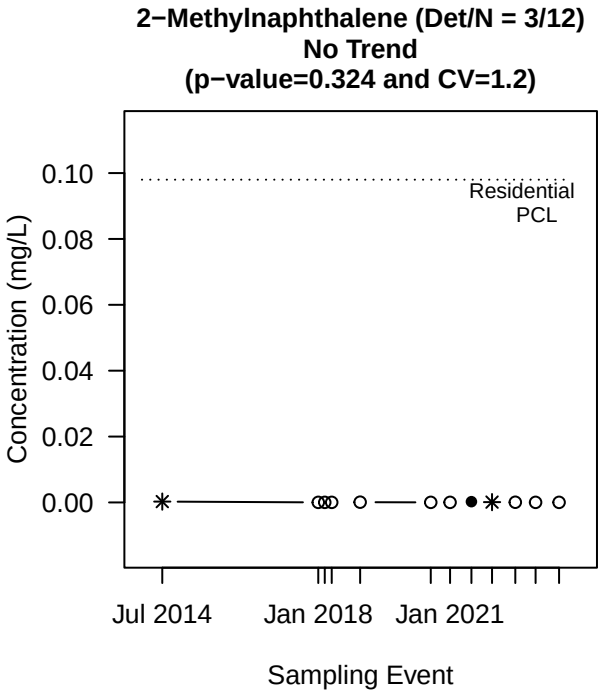


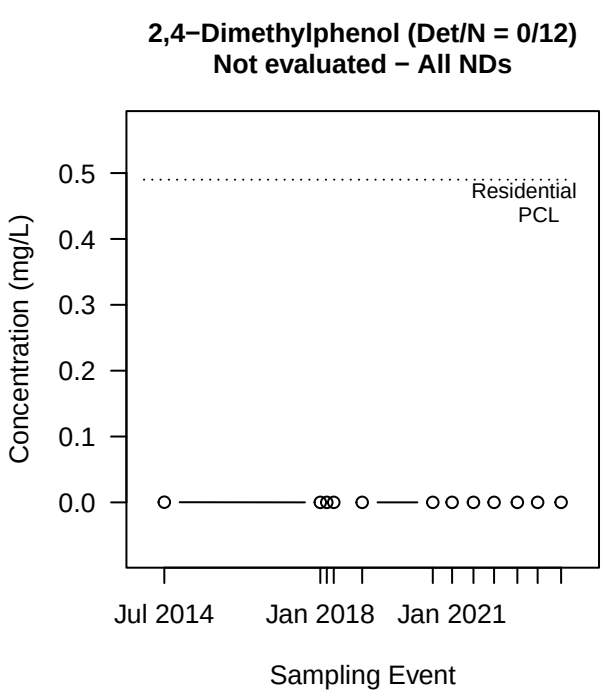


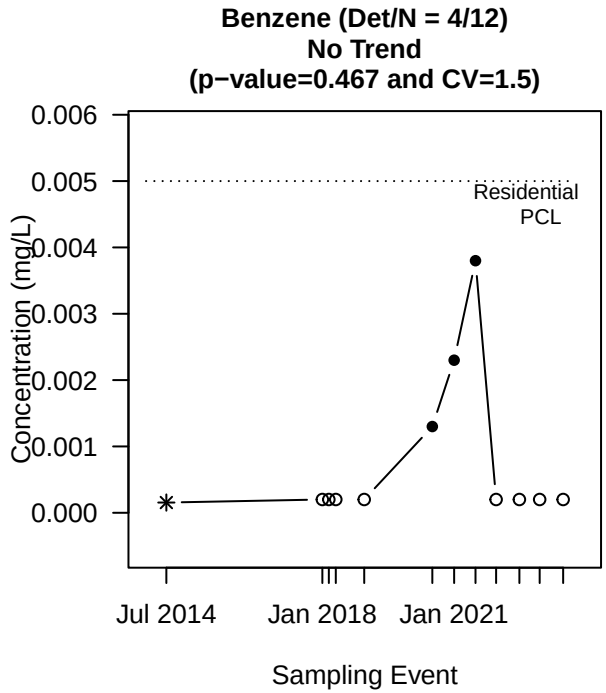


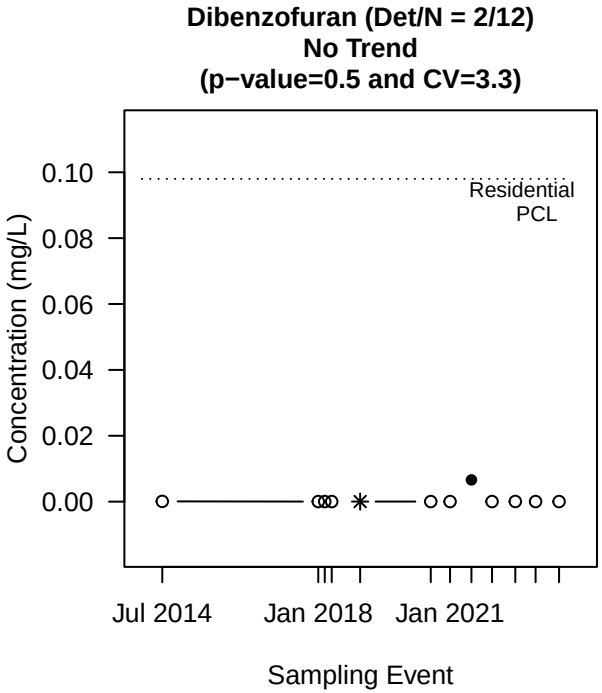
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

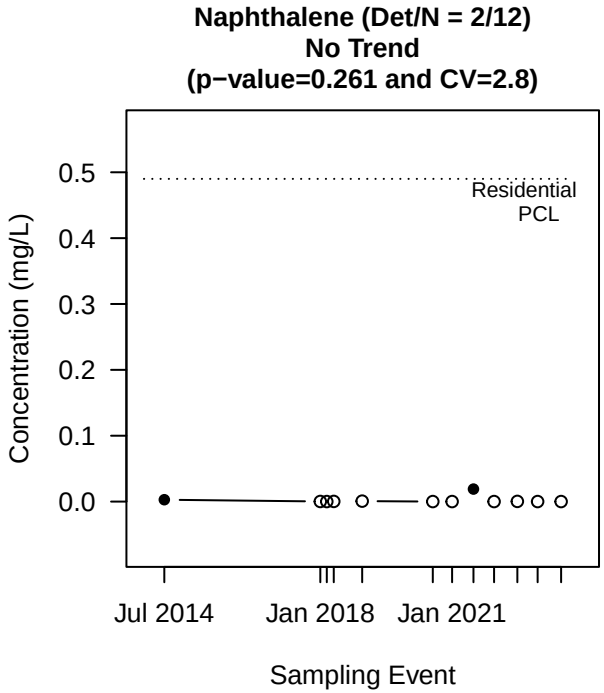
Mann−Kendall Trend Tests for MW−34CR

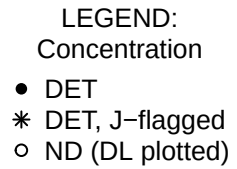








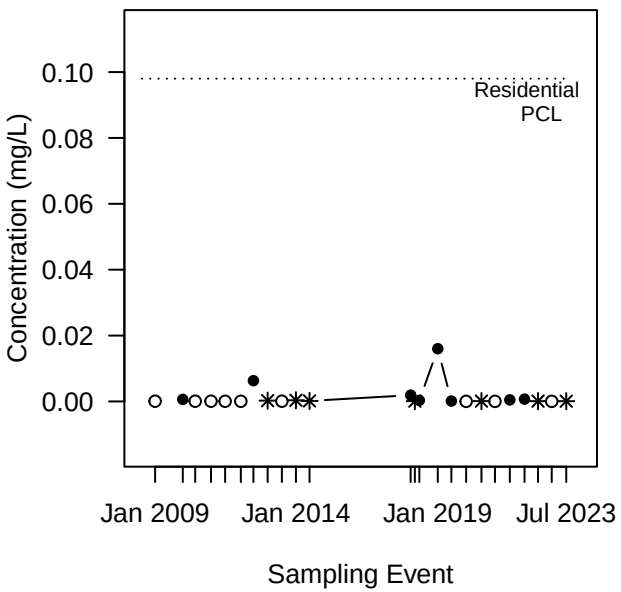




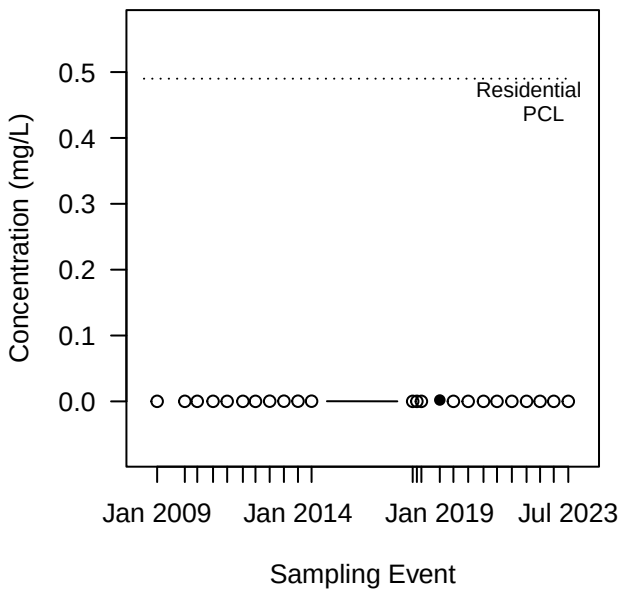
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−35A

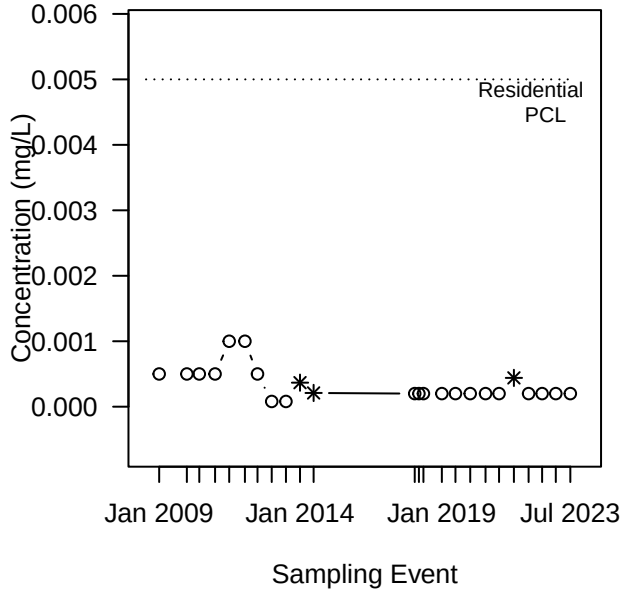
2−Methylnaphthalene (Det/N = 15/24)
No Trend
(p−value=0.36 and CV=2.9)



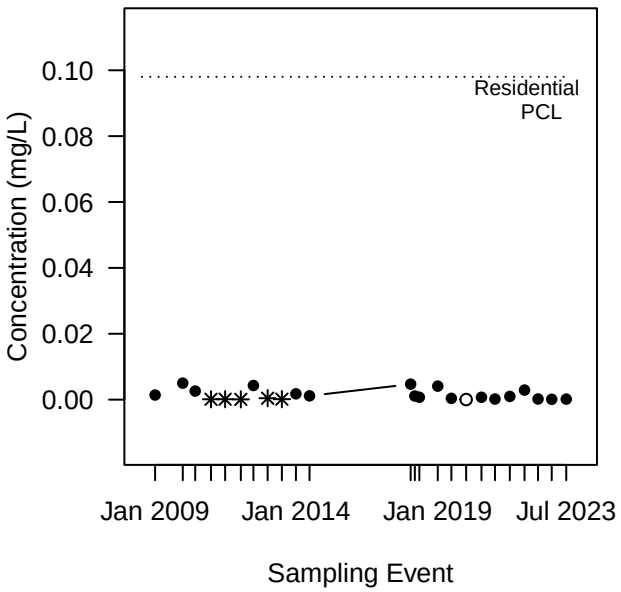
2,4−Dimethylphenol (Det/N = 1/24)
No Trend
(p−value=0.386 and CV=2.4)



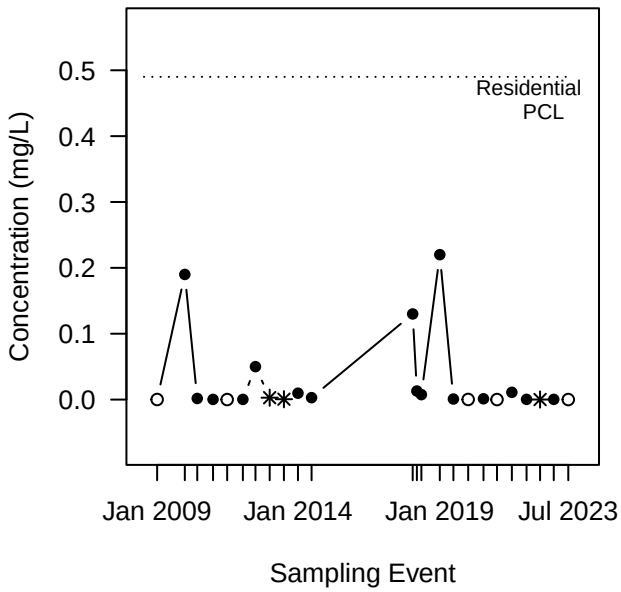
Benzene (Det/N = 3/24)
No Trend
(p−value=0.38 and CV=0.73)



Dibenzofuran (Det/N = 23/24)
No Trend
(p−value=0.107 and CV=1.2)



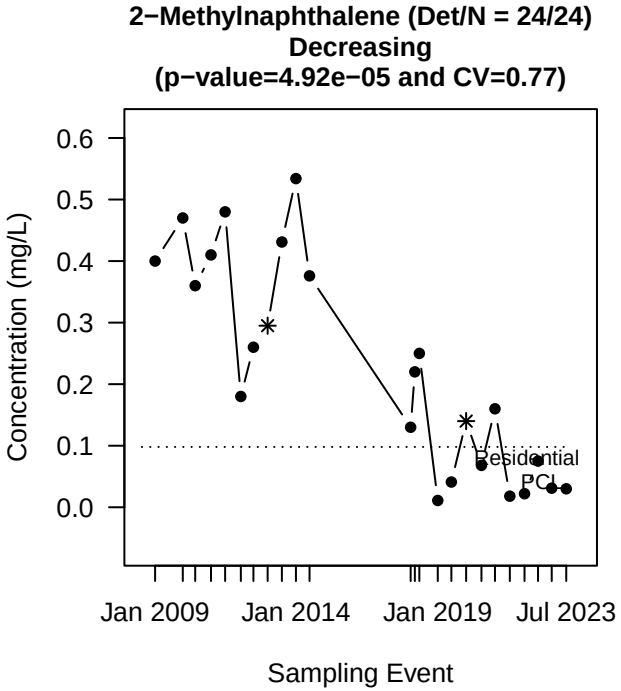
Naphthalene (Det/N = 19/24)
No Trend
(p−value=0.22 and CV=2.3)

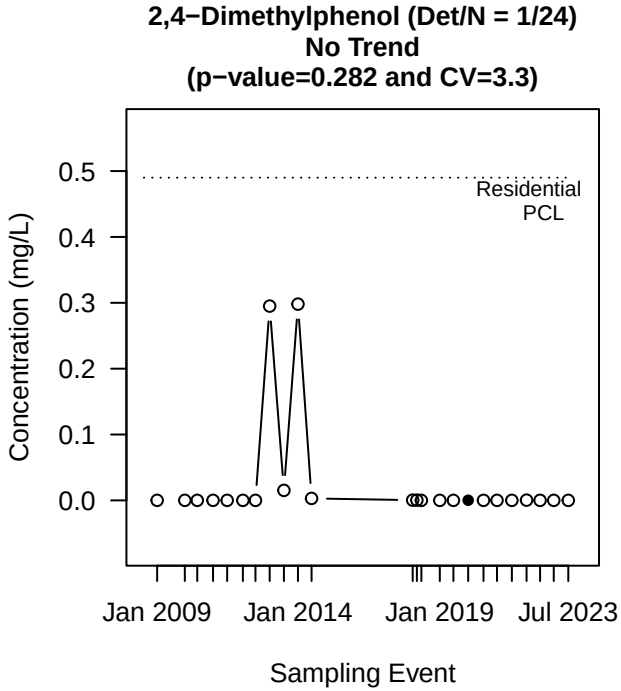


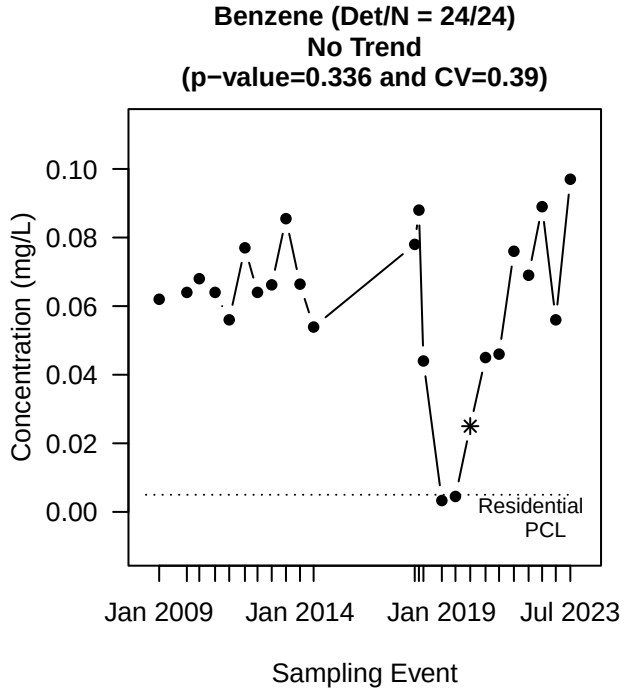
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

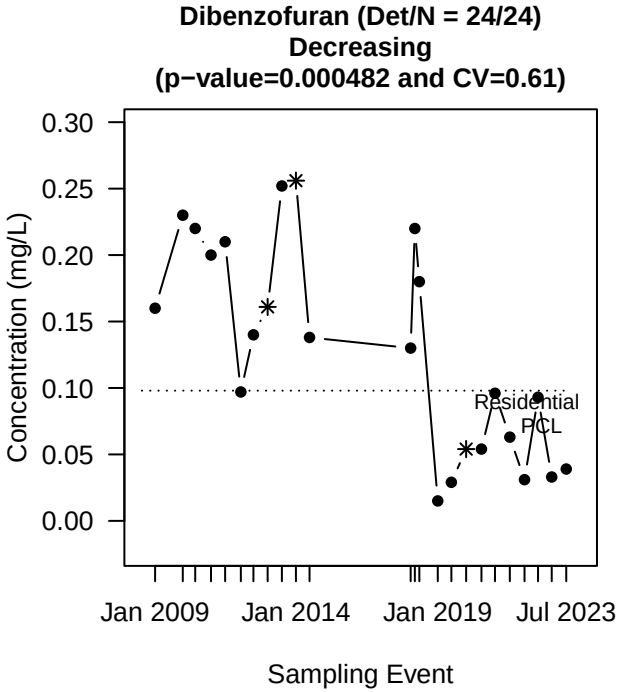
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

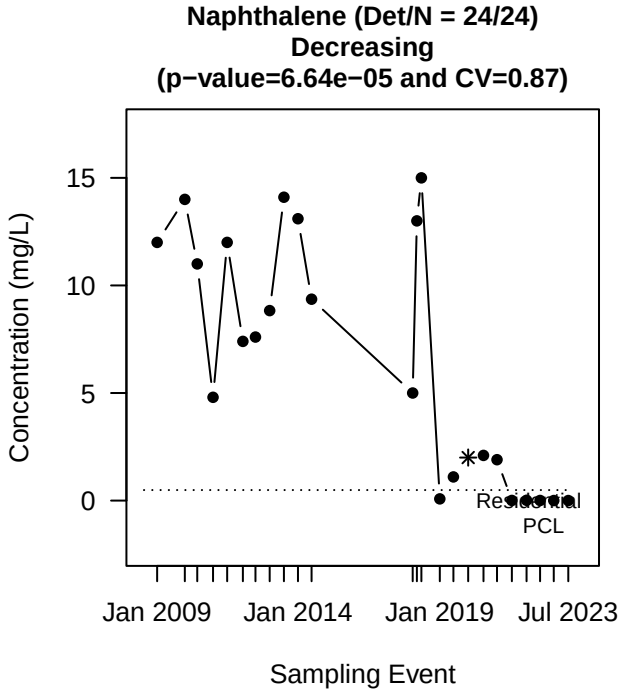
Mann−Kendall Trend Tests for MW−35B

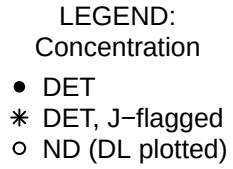






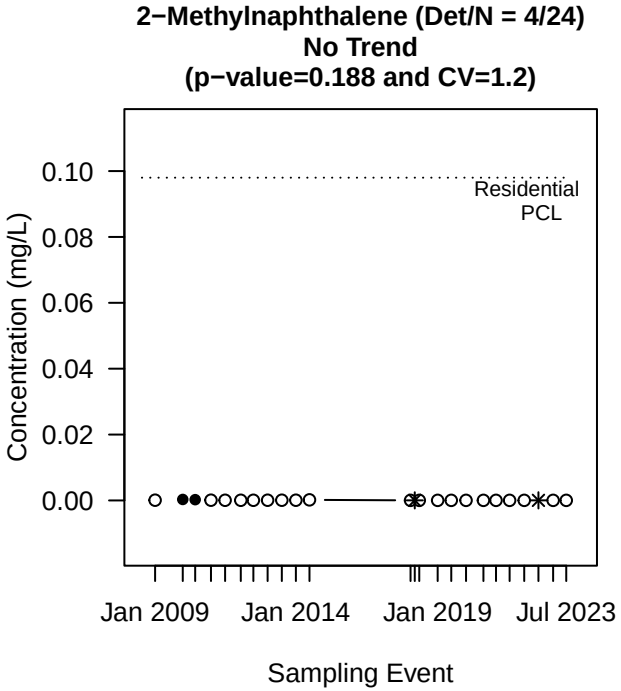


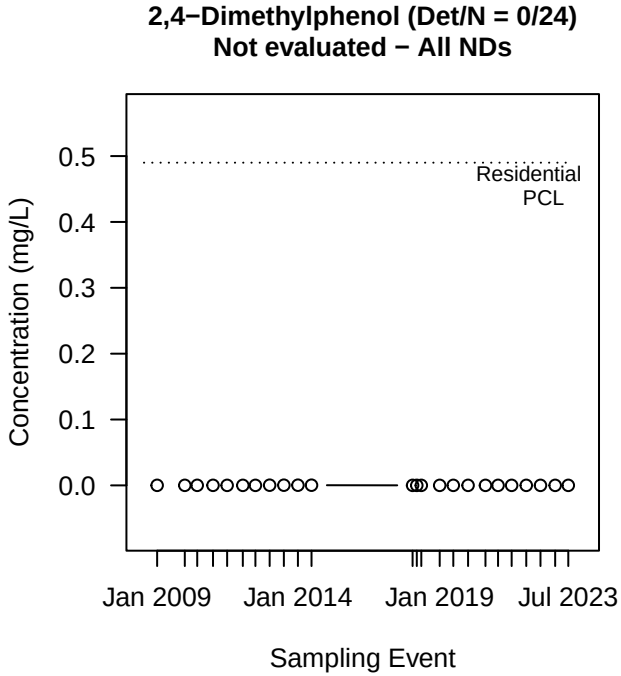


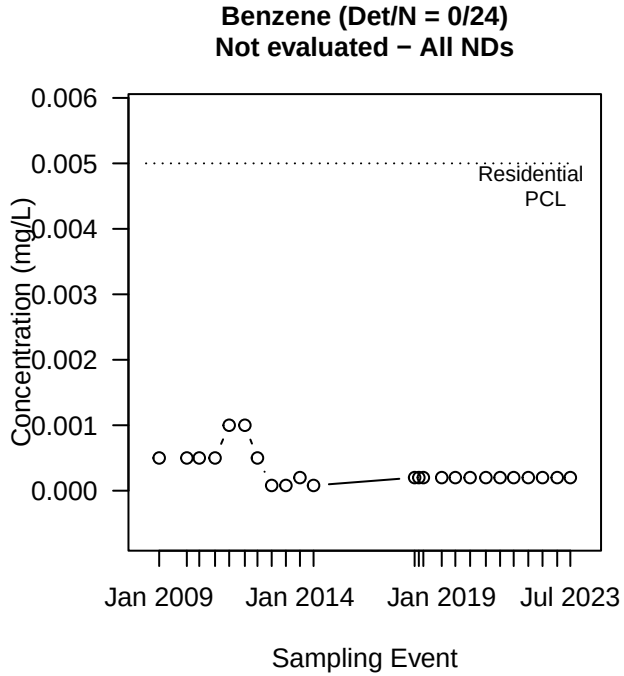


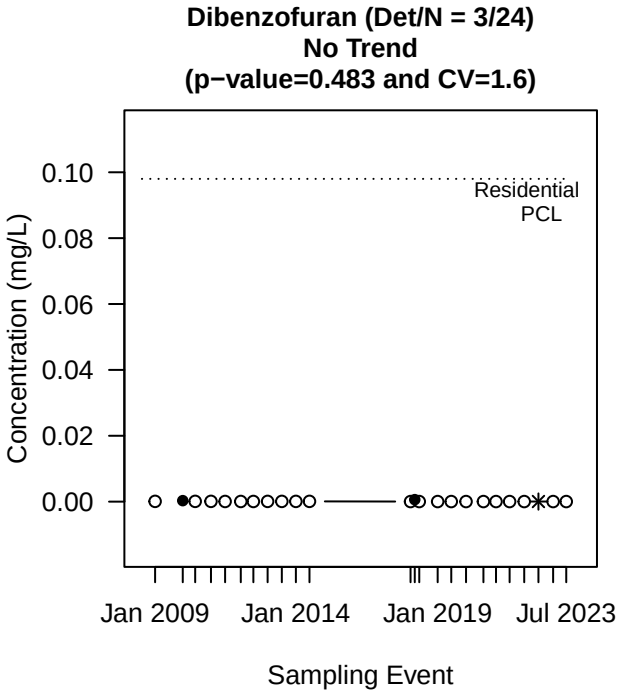
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

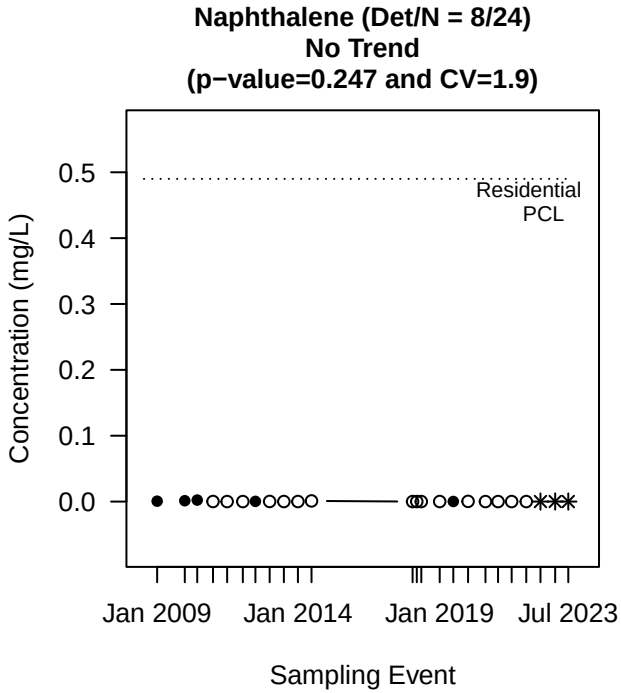
Mann−Kendall Trend Tests for MW−36A

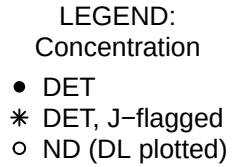






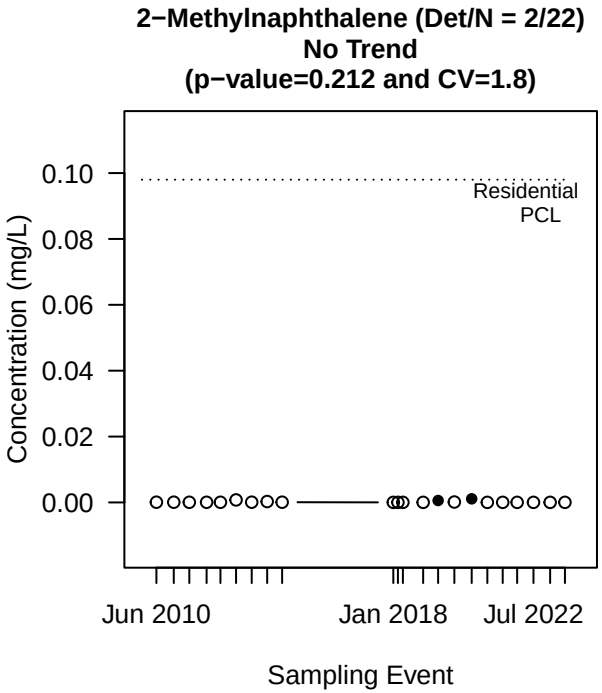


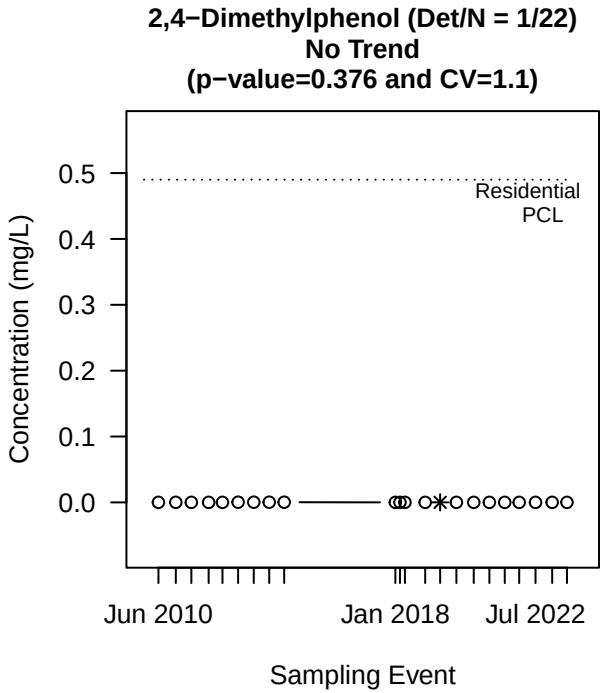


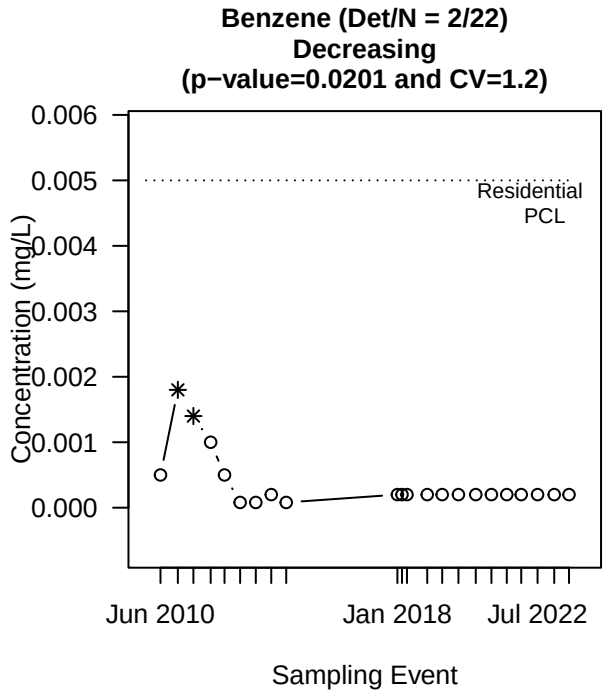


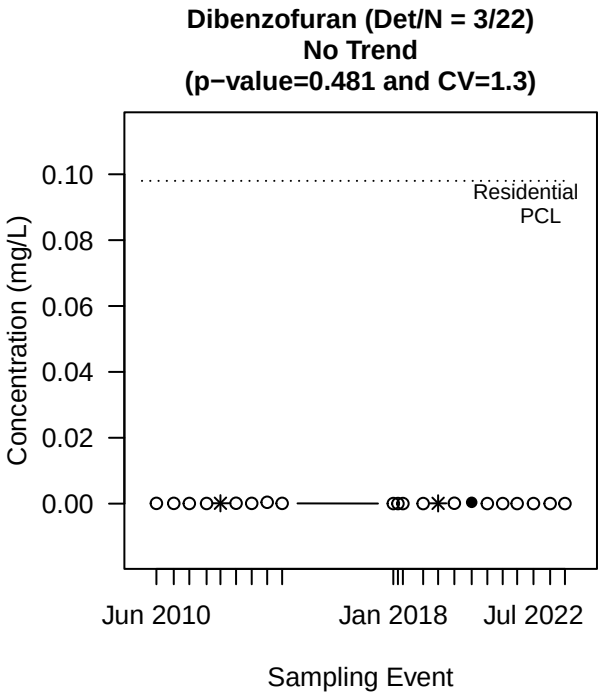
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

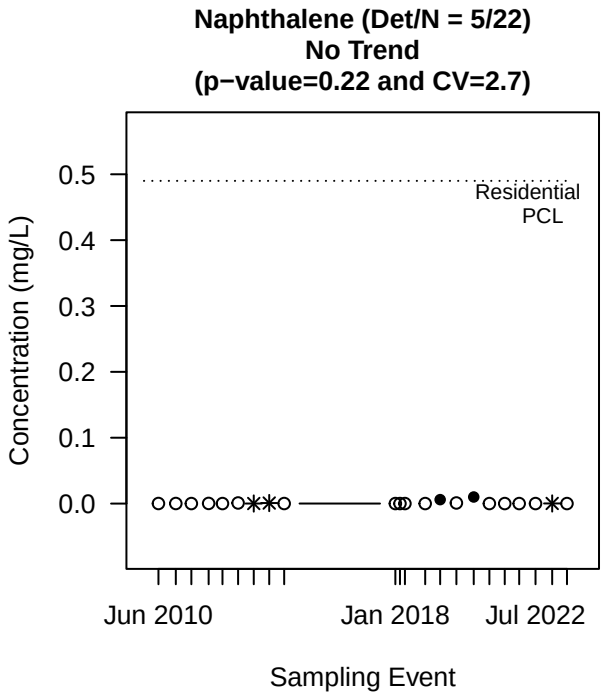
Mann−Kendall Trend Tests for MW−36B

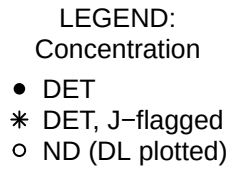






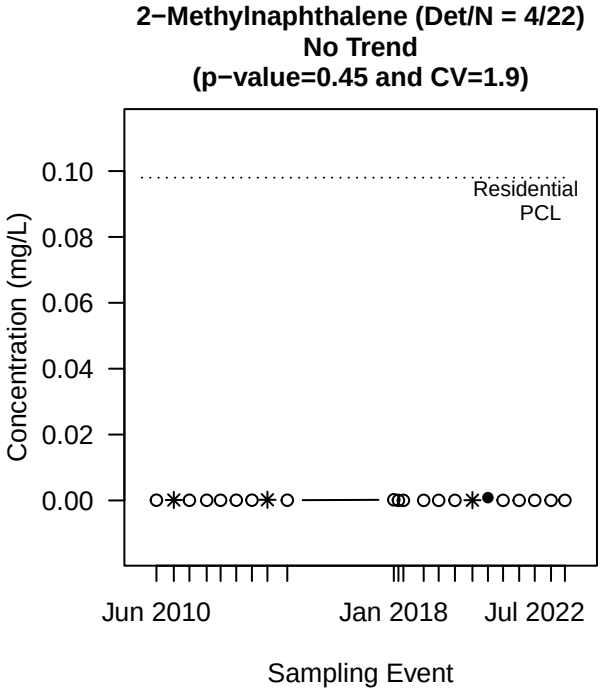


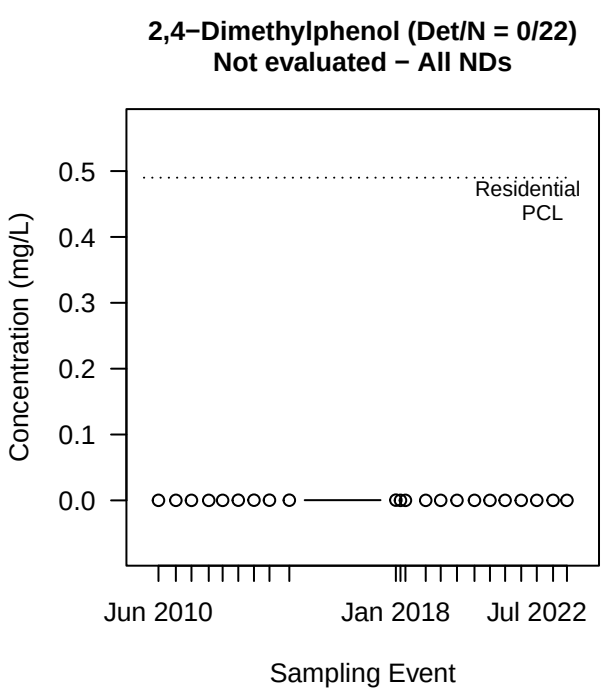


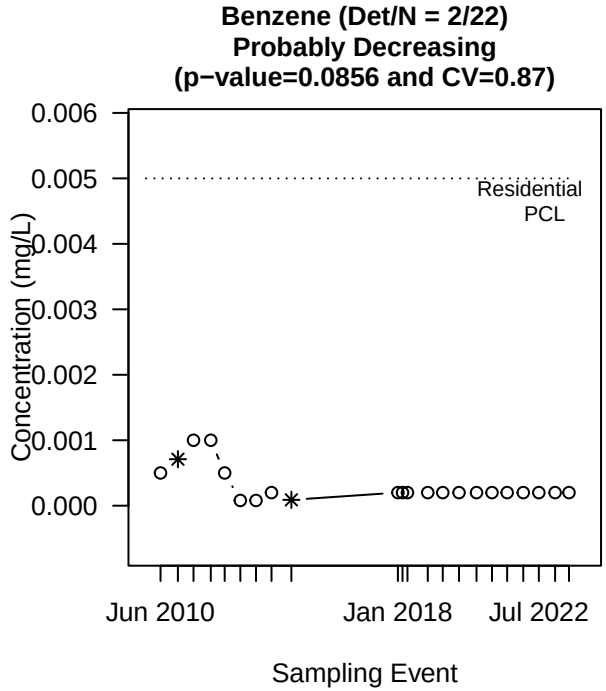


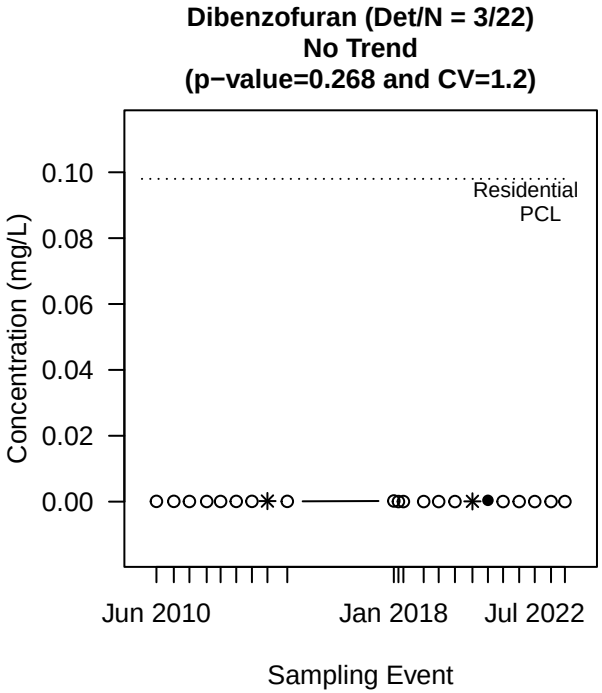
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

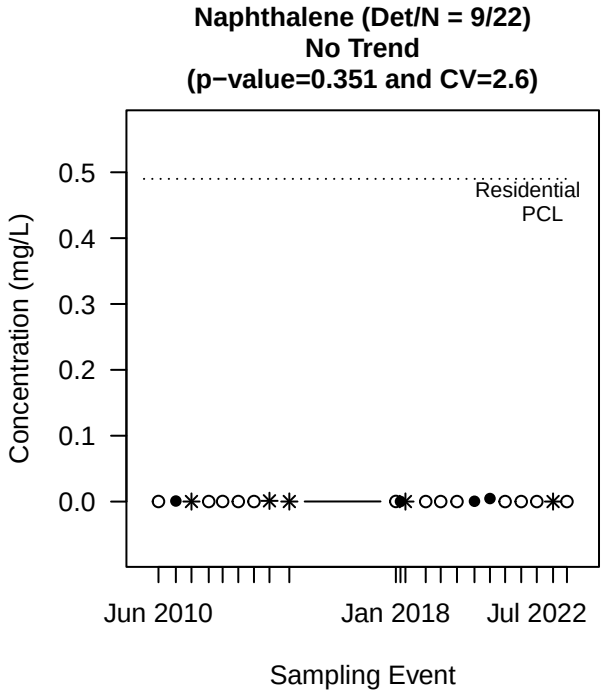
Mann−Kendall Trend Tests for MW−36D

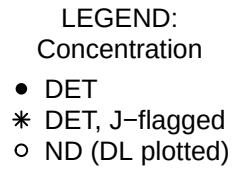






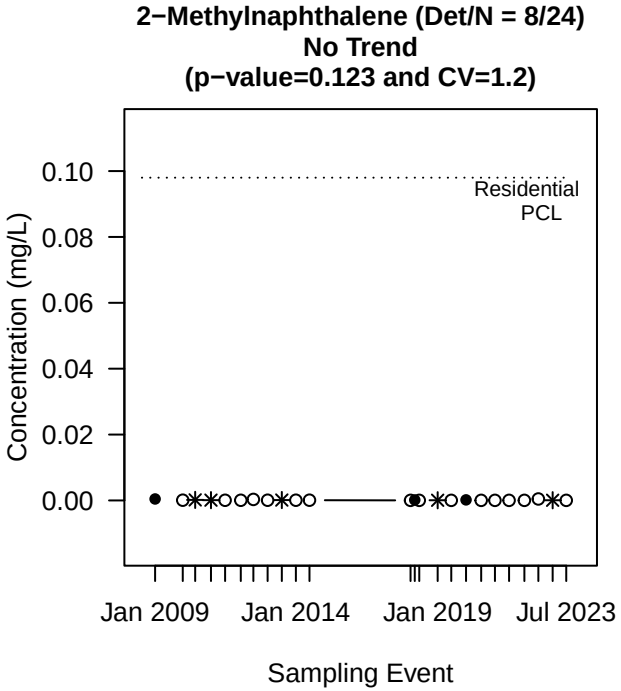


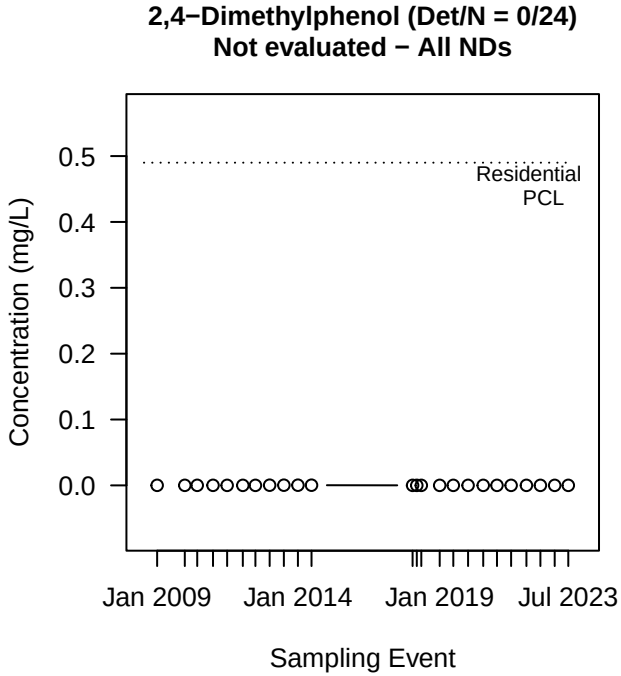


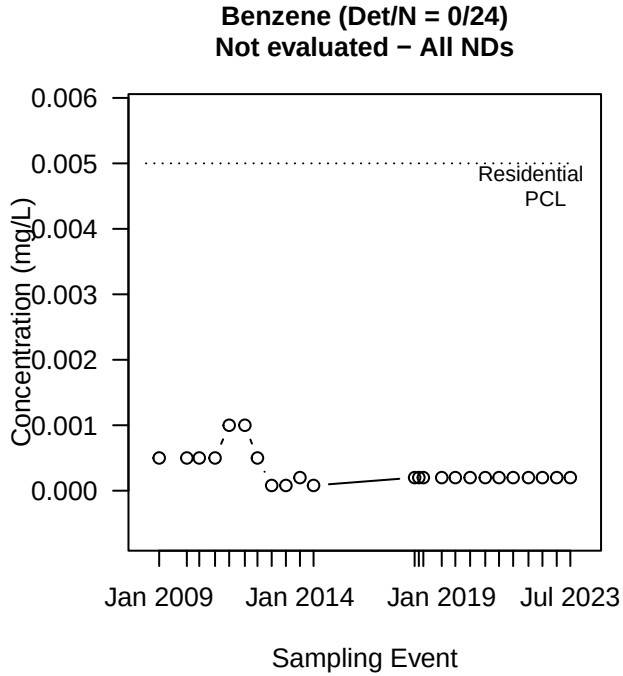


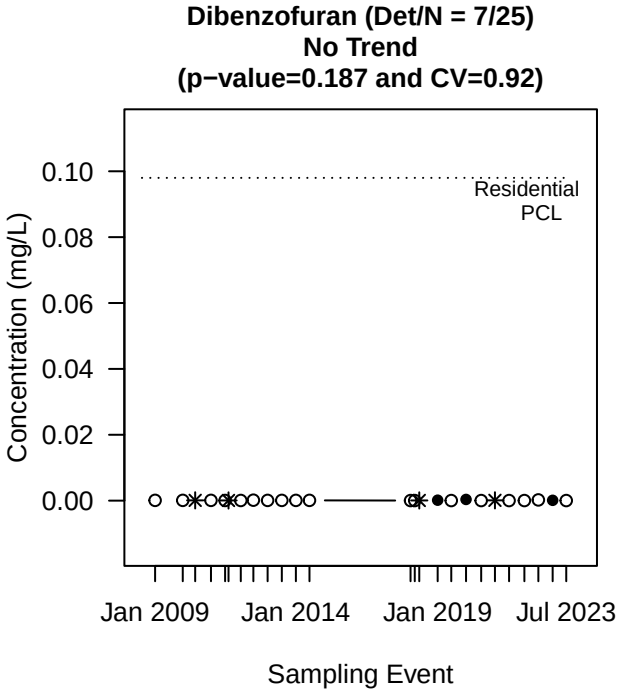
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

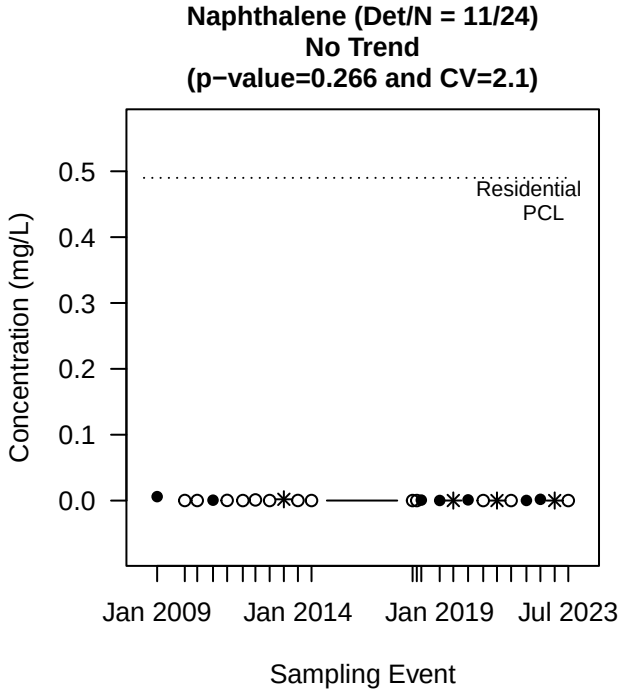
Mann−Kendall Trend Tests for MW−38A

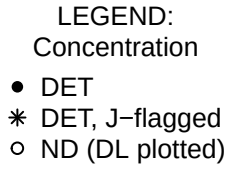






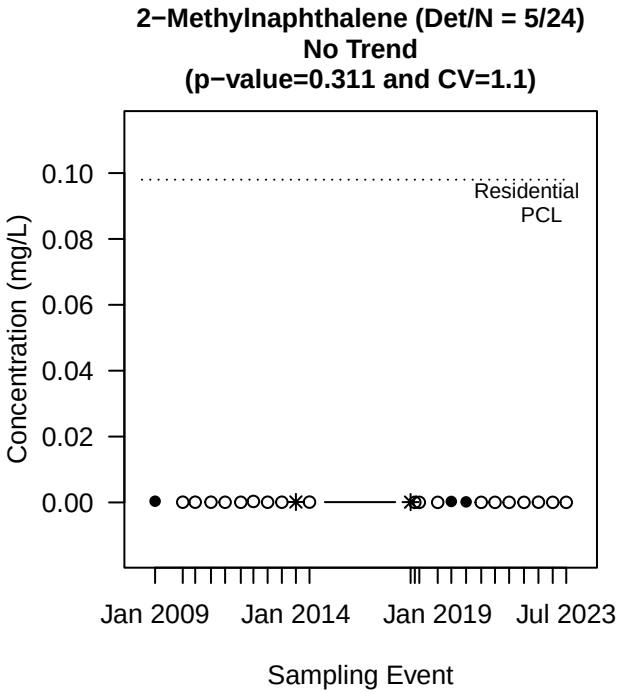


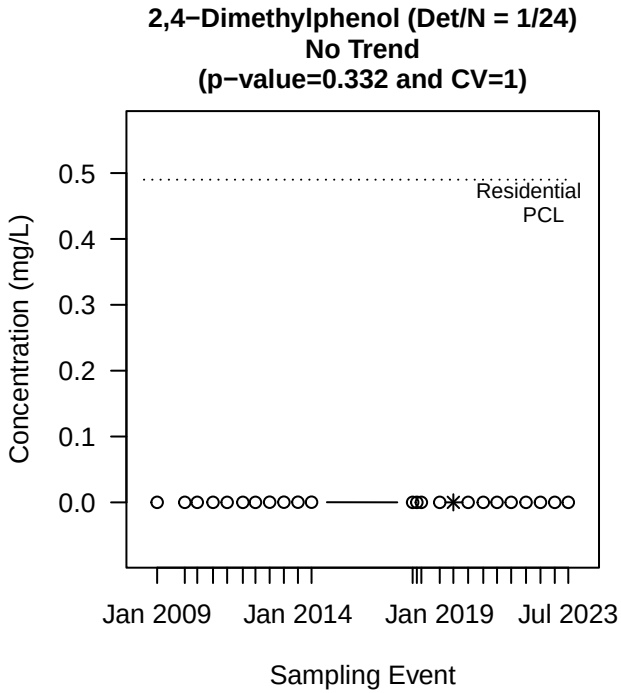


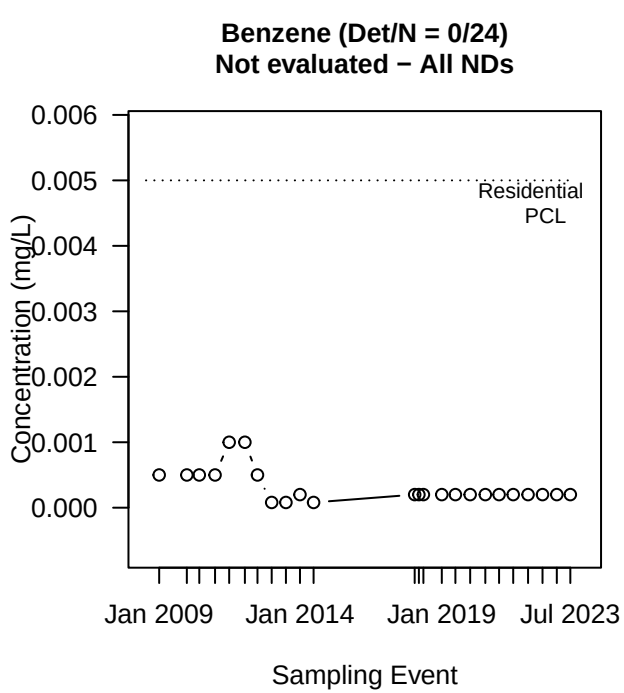


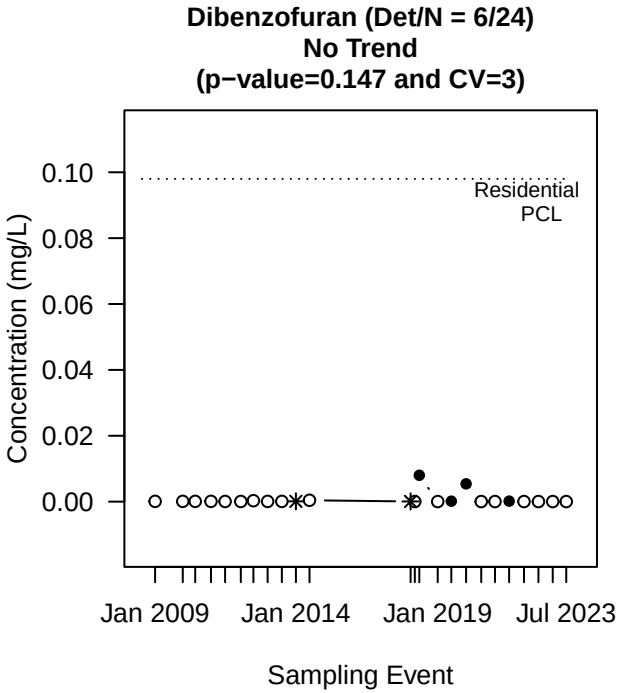
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

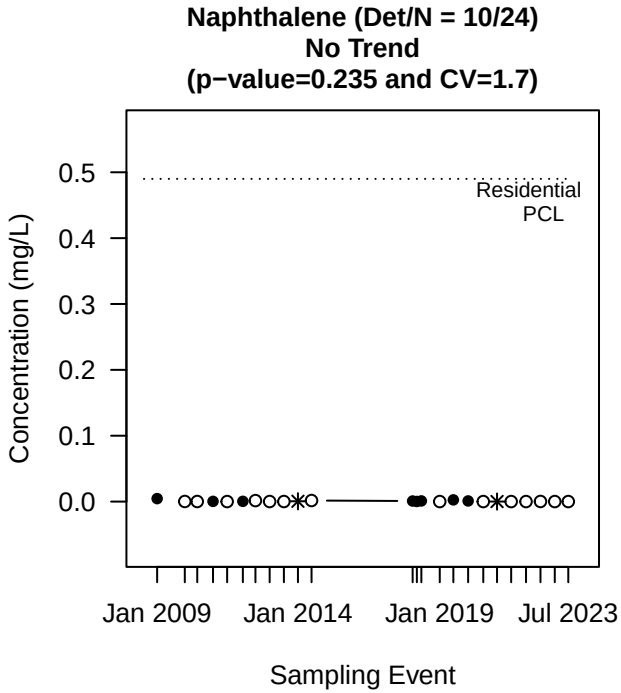
Mann−Kendall Trend Tests for MW−38B

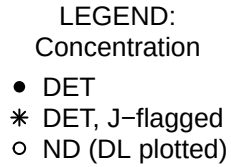






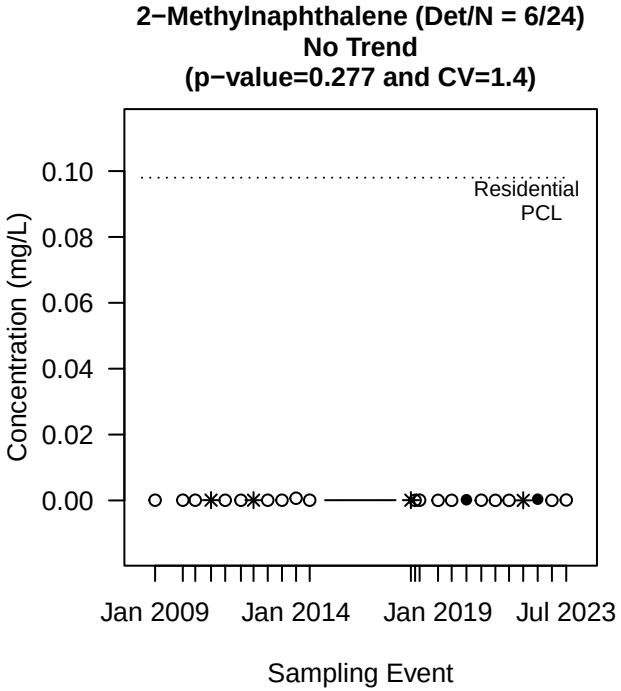


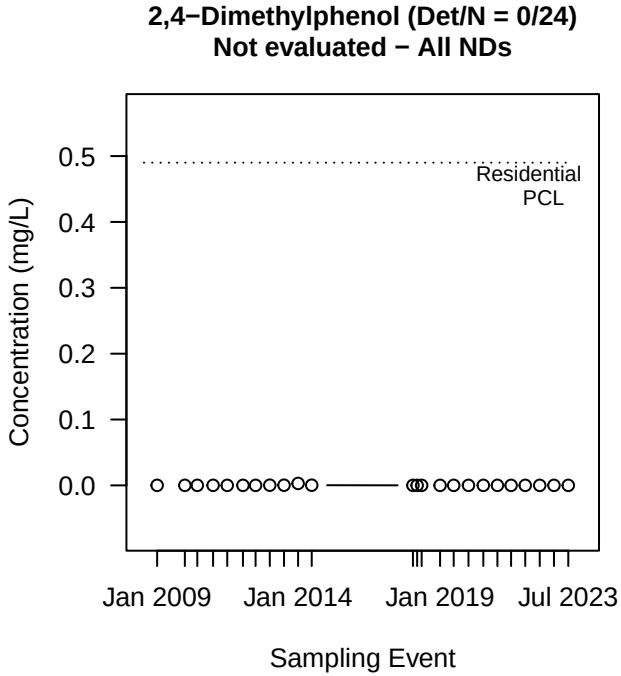


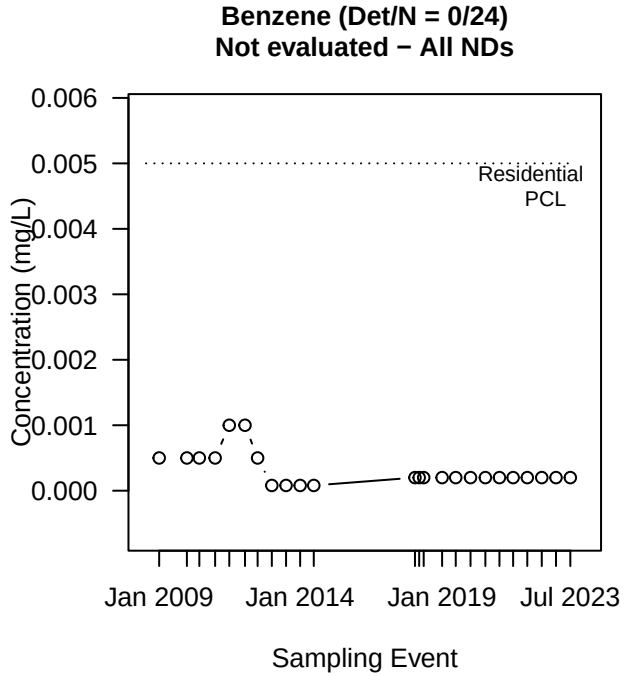


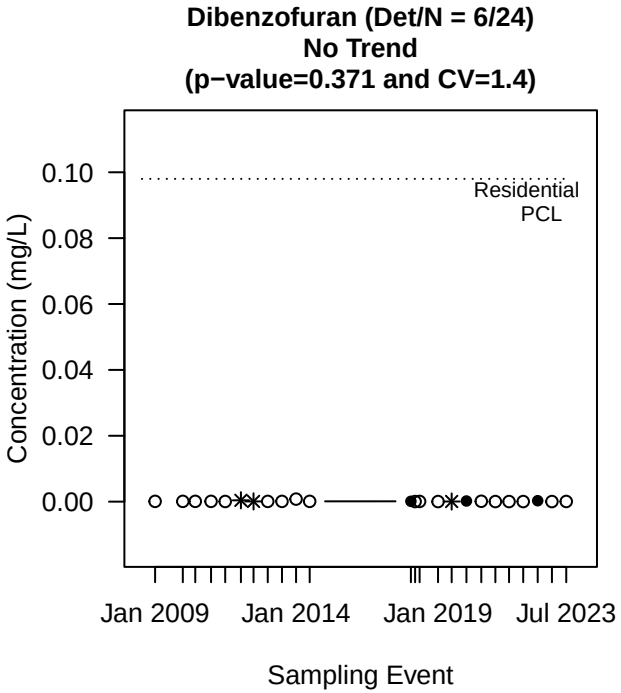
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

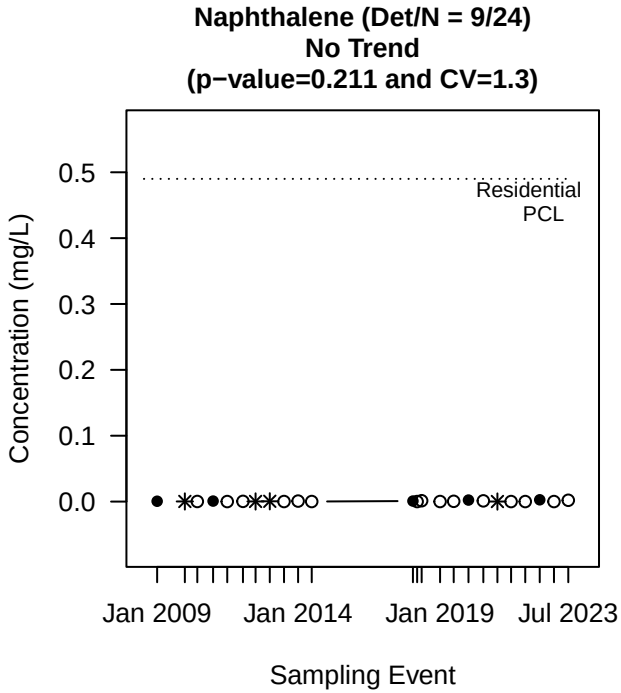
Mann−Kendall Trend Tests for MW−39B

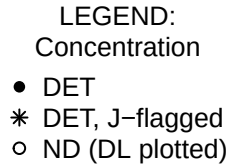






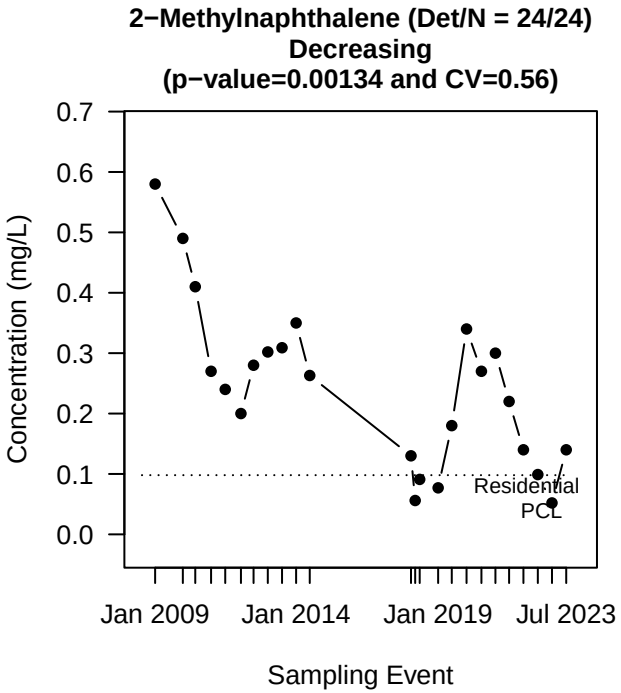


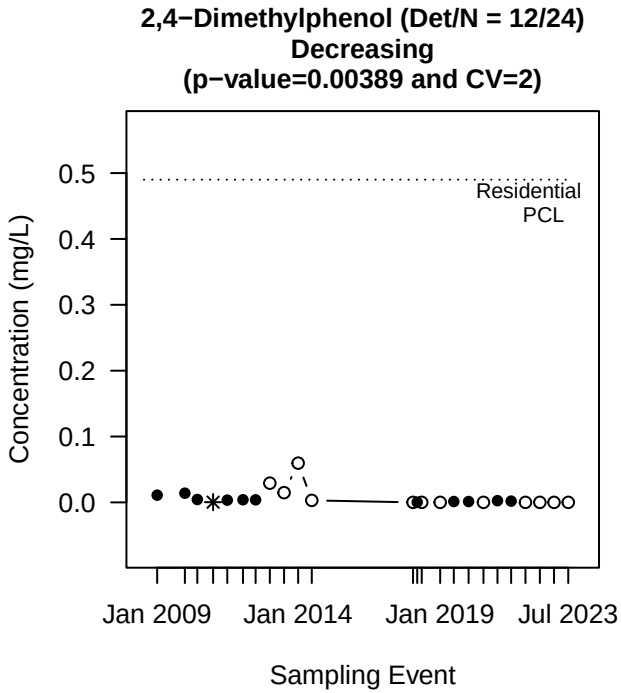


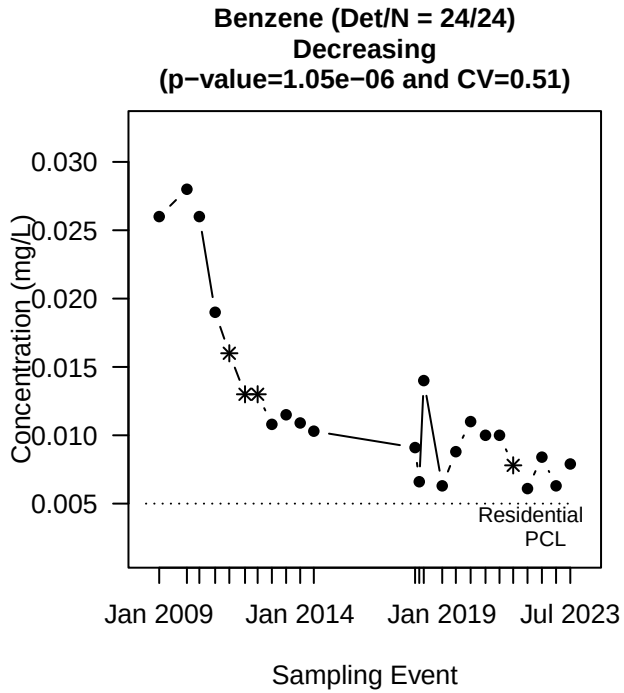


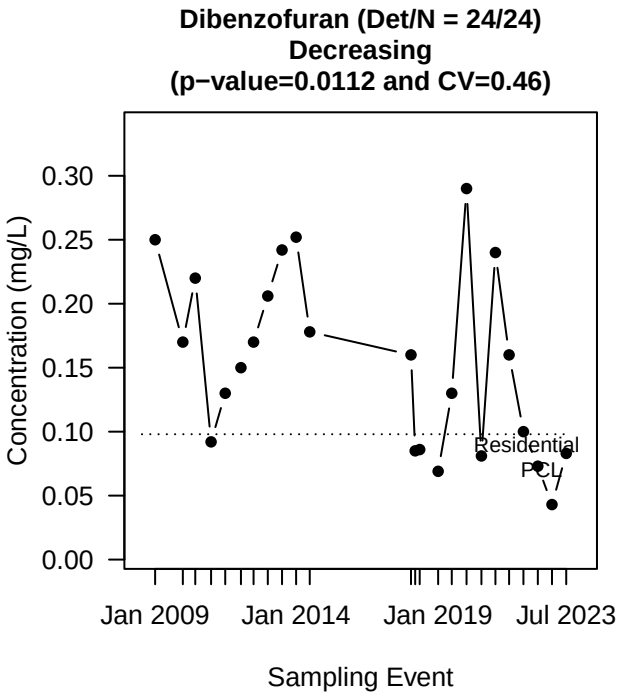
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

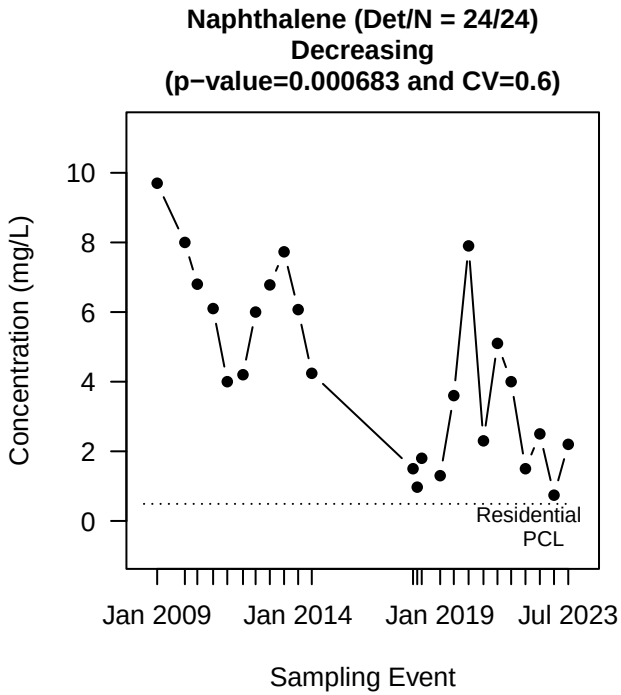
Mann−Kendall Trend Tests for MW−40B







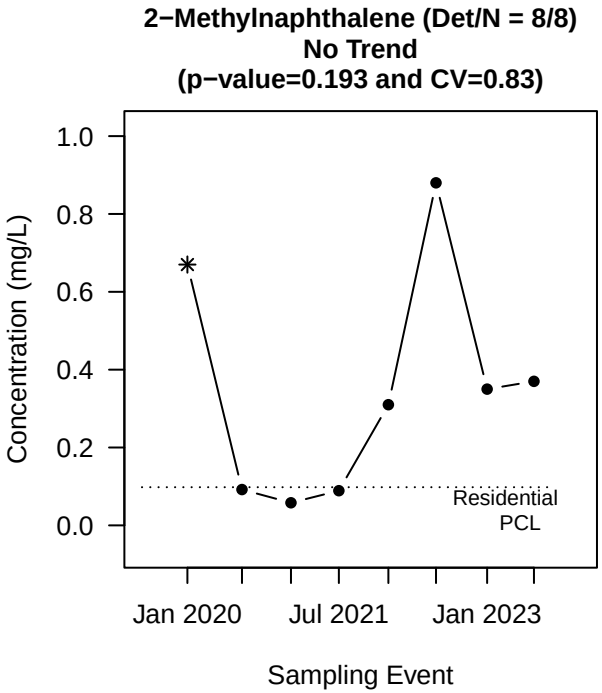


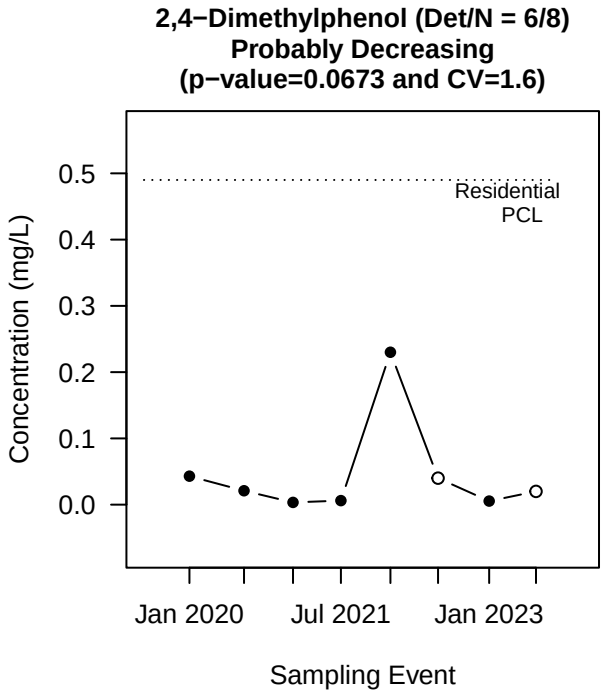


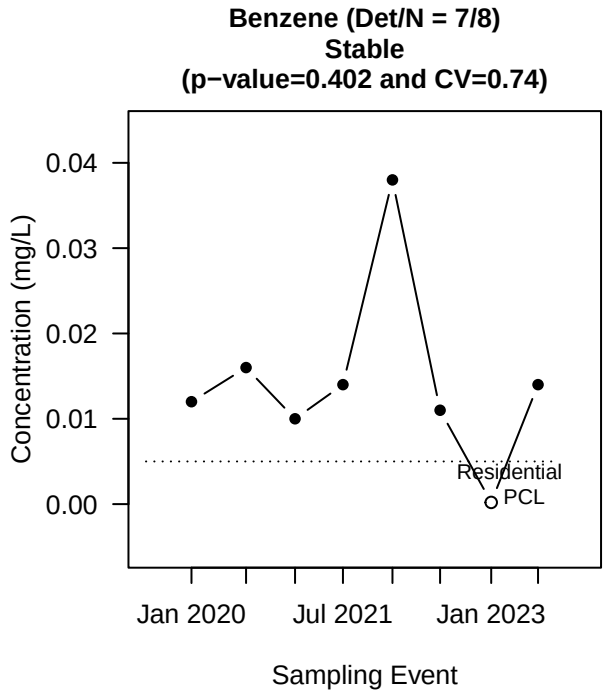
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

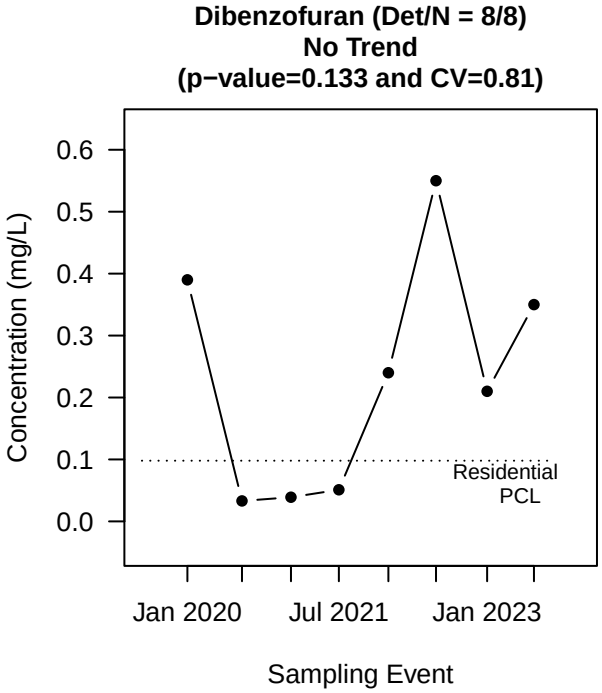
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

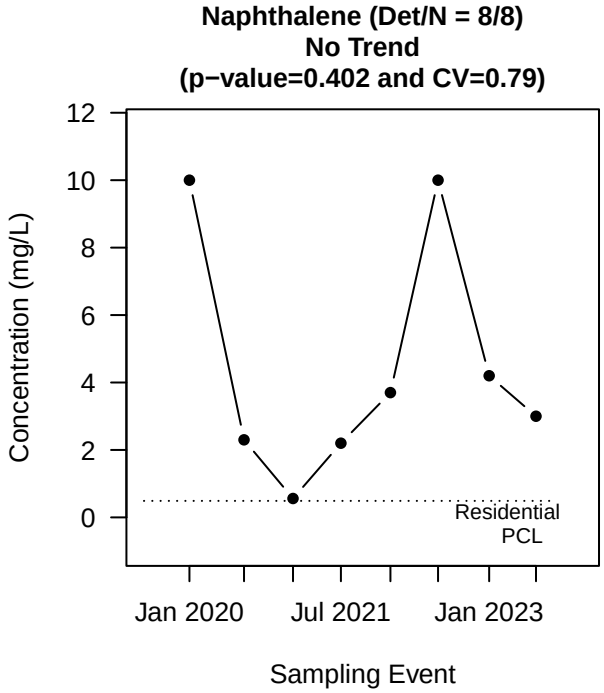
Mann−Kendall Trend Tests for MW−41B







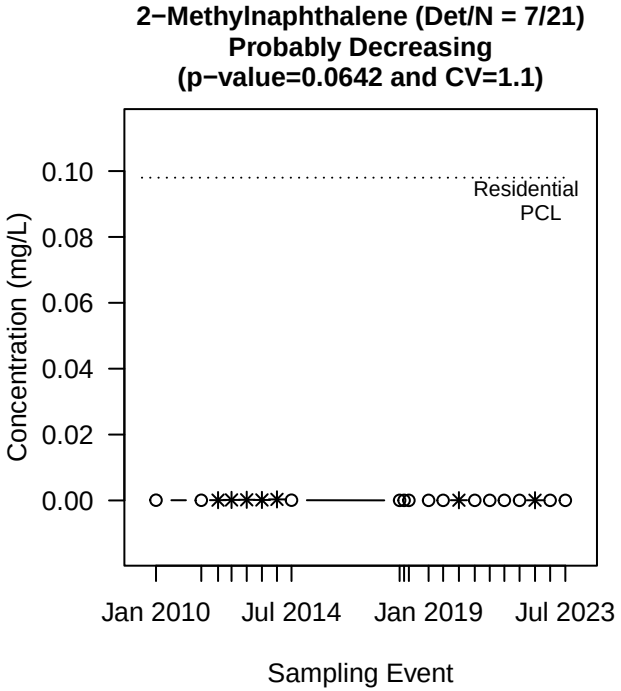


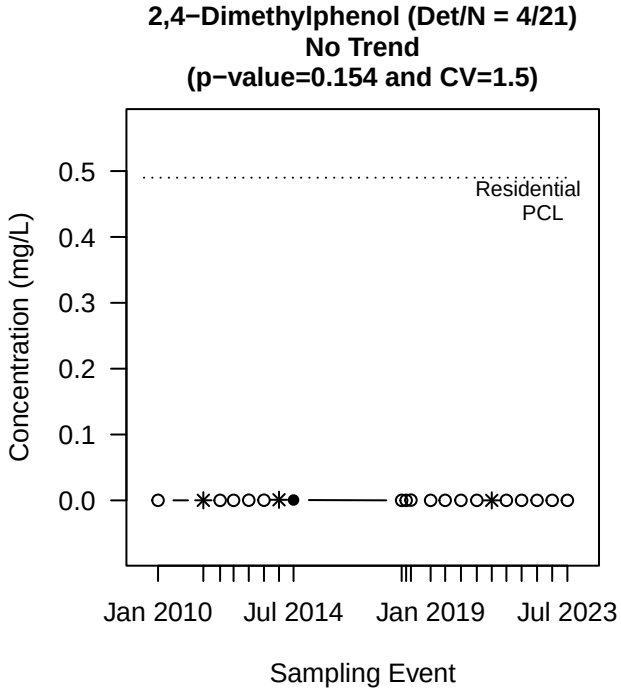


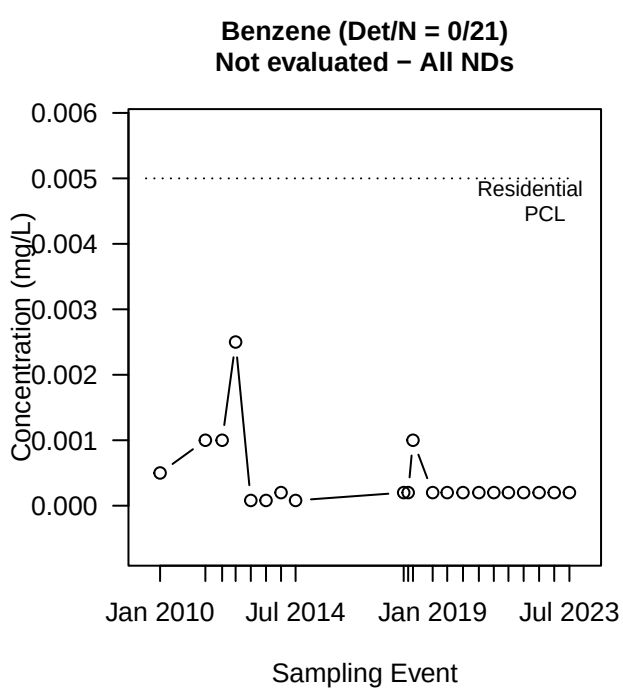
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

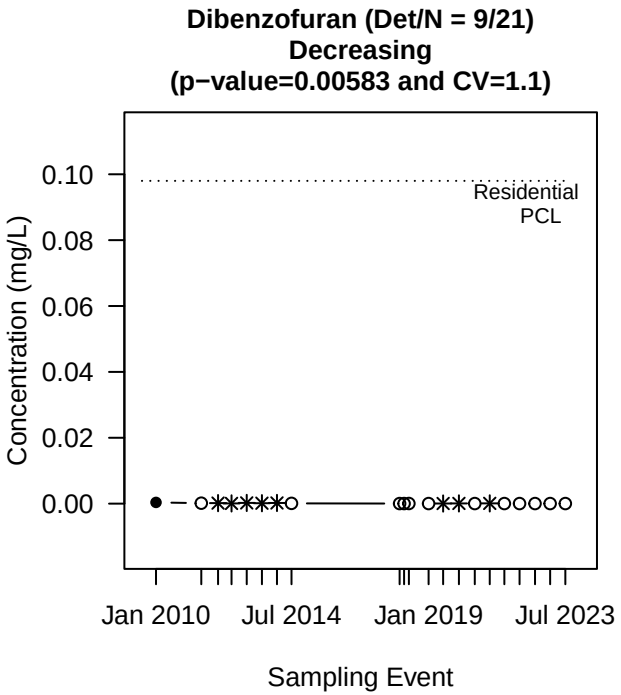
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

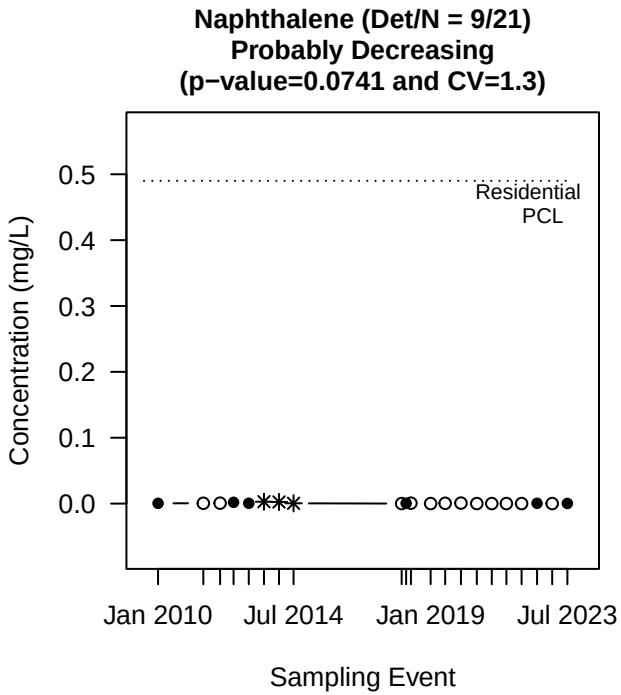
Mann−Kendall Trend Tests for MW−42B

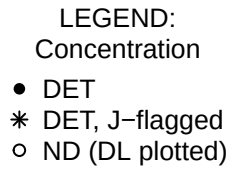






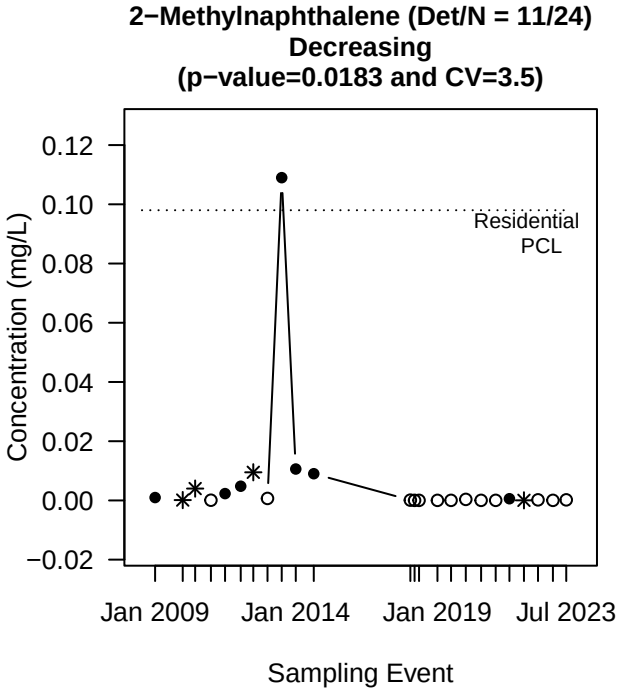


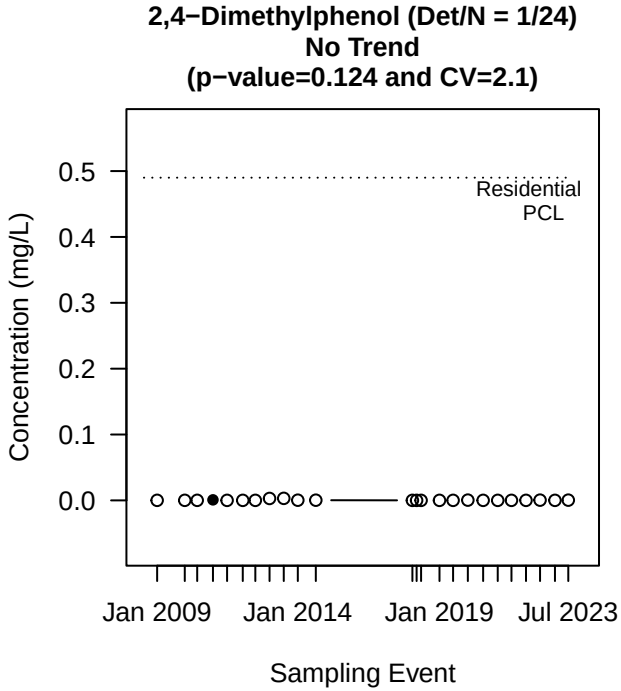


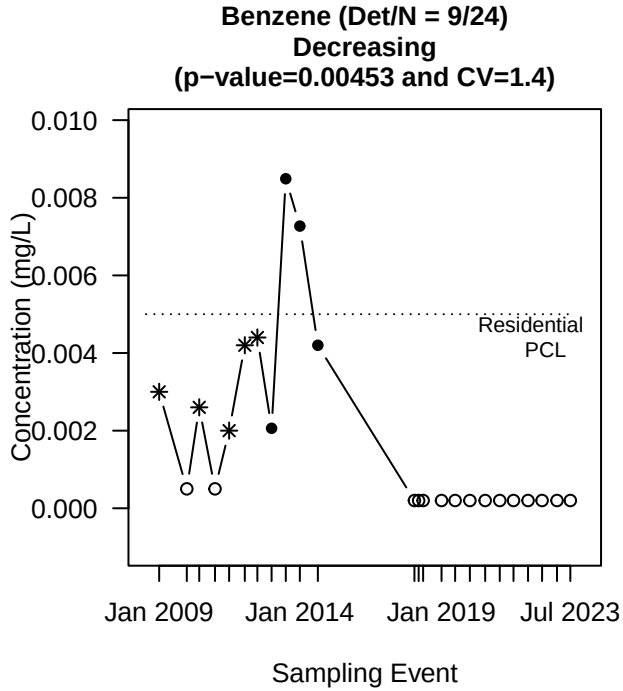


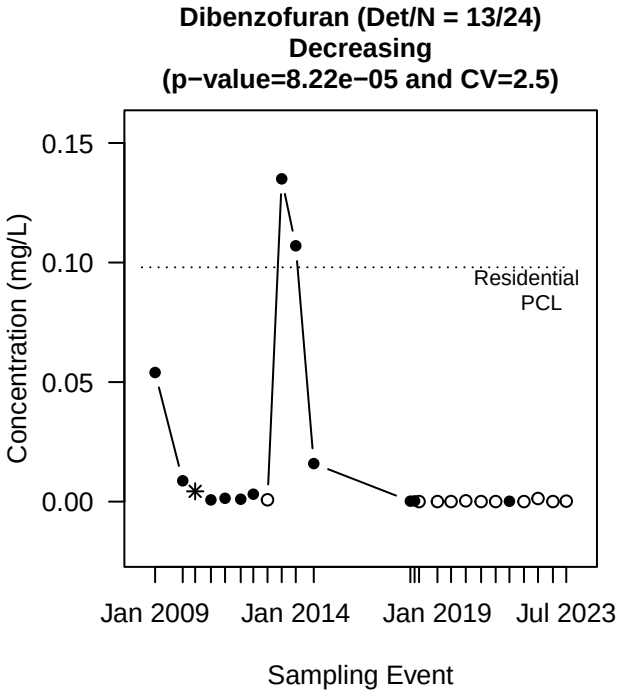
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

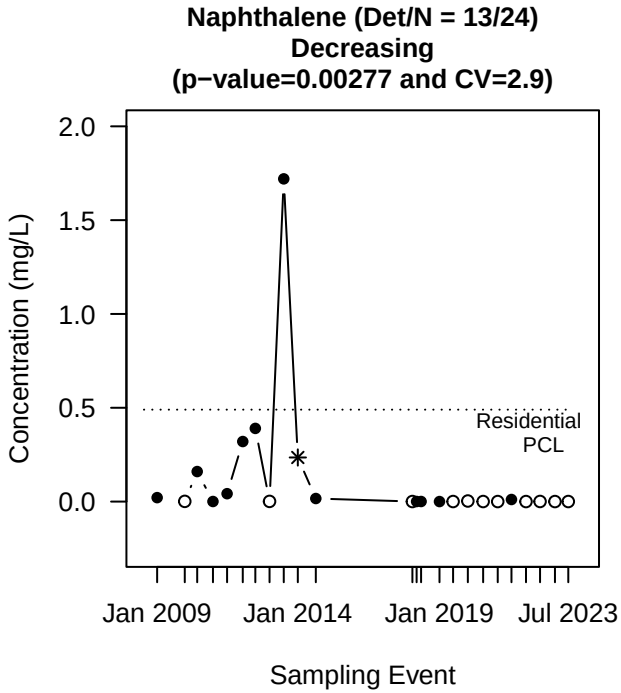
Mann−Kendall Trend Tests for MW−44A







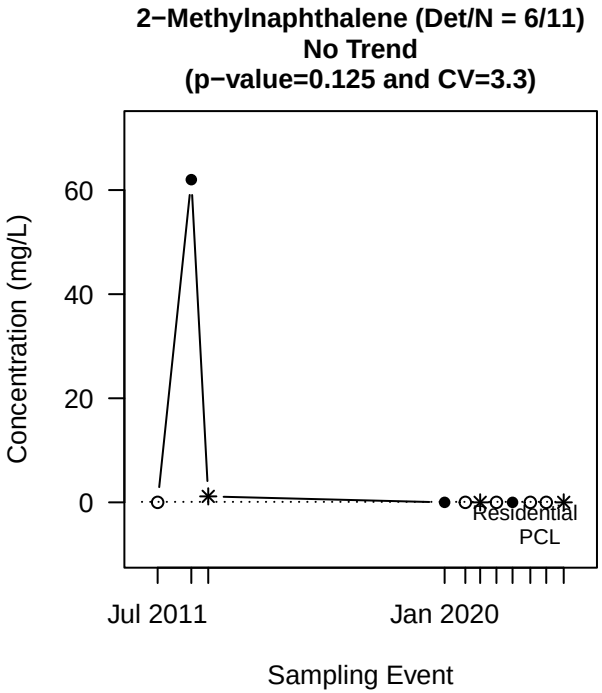


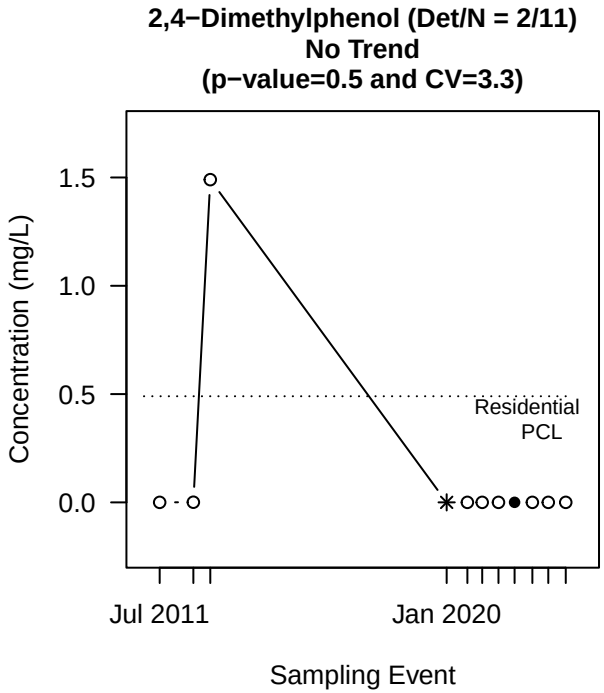


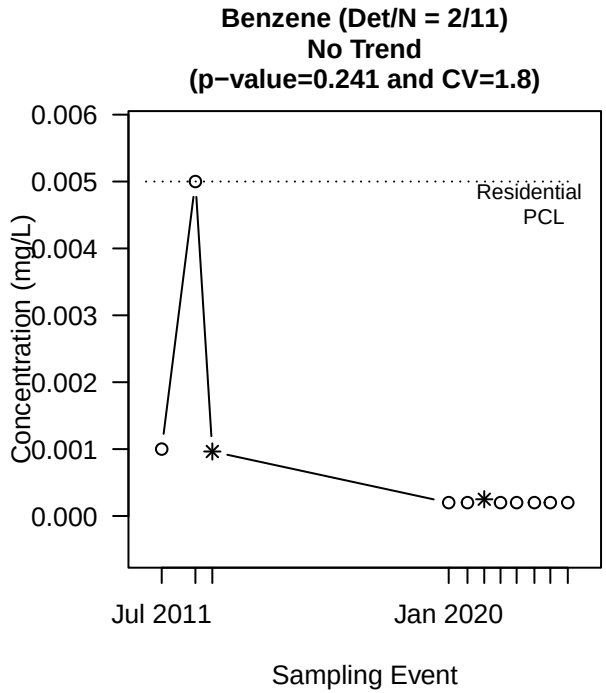
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

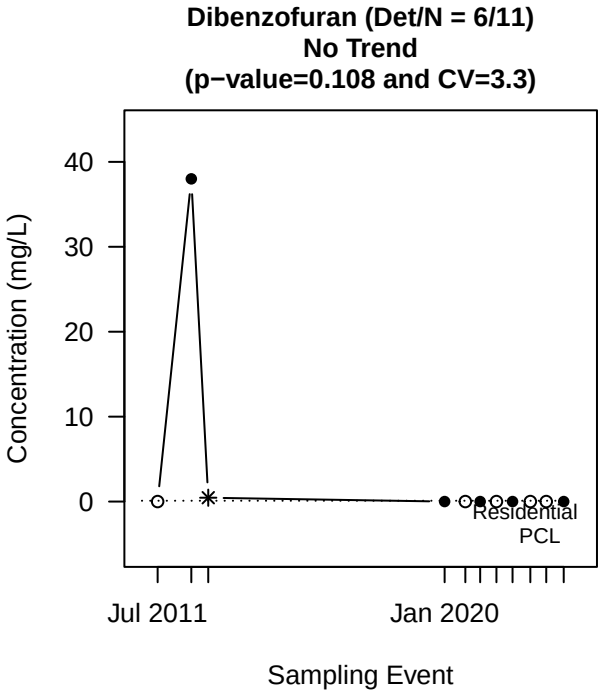
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

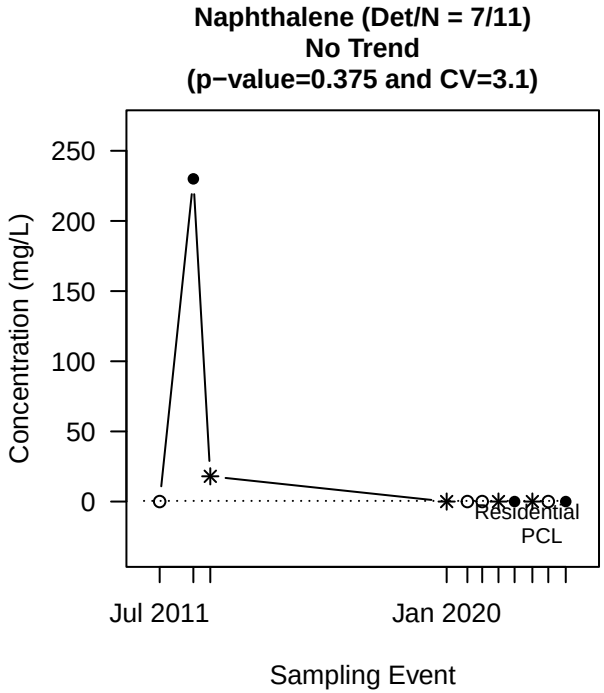
Mann−Kendall Trend Tests for MW−44C







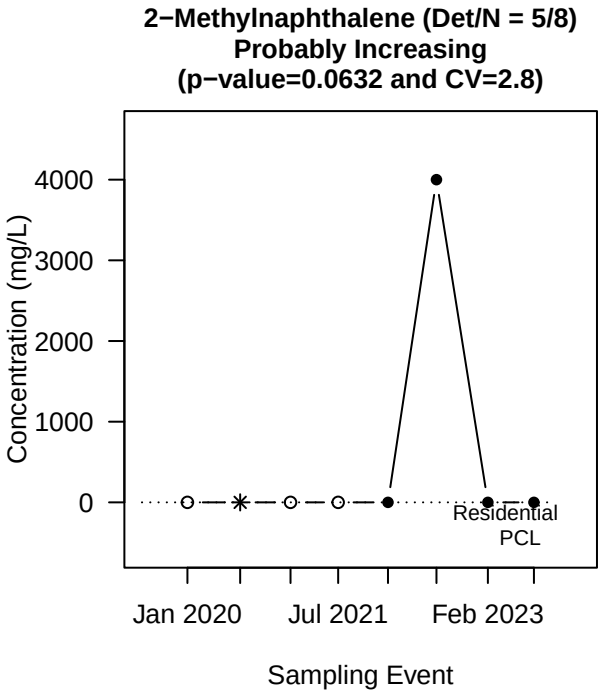


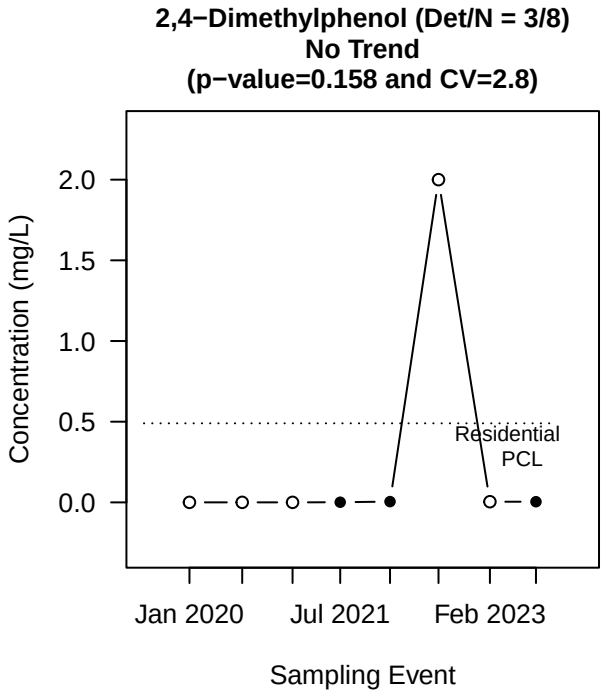


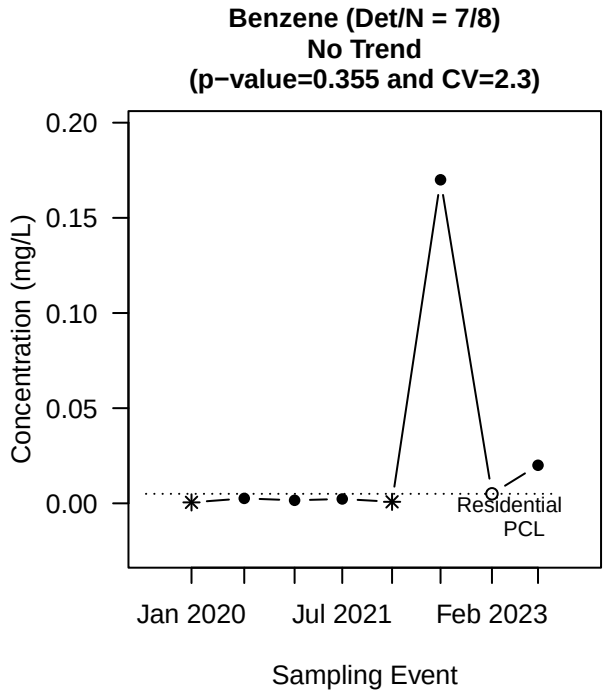
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

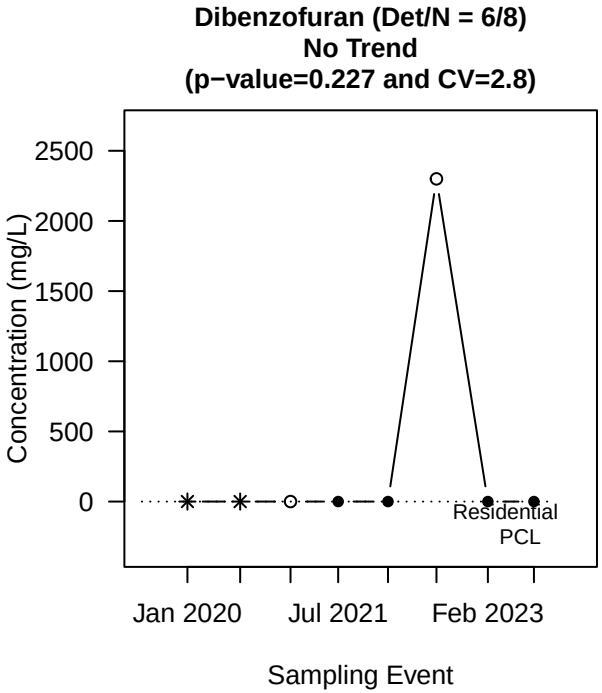
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

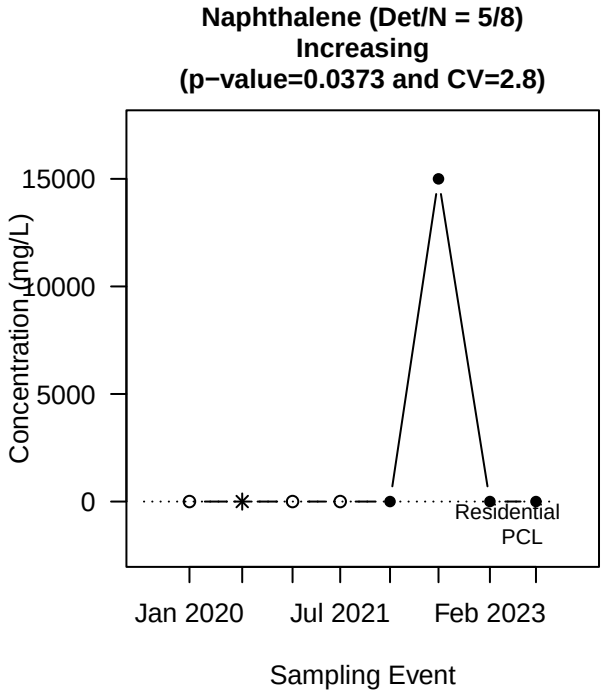
Mann−Kendall Trend Tests for MW−45C

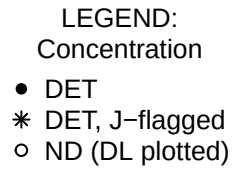








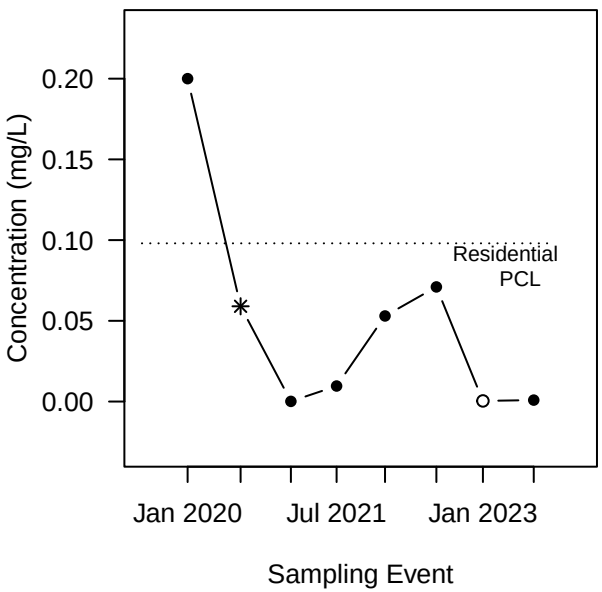




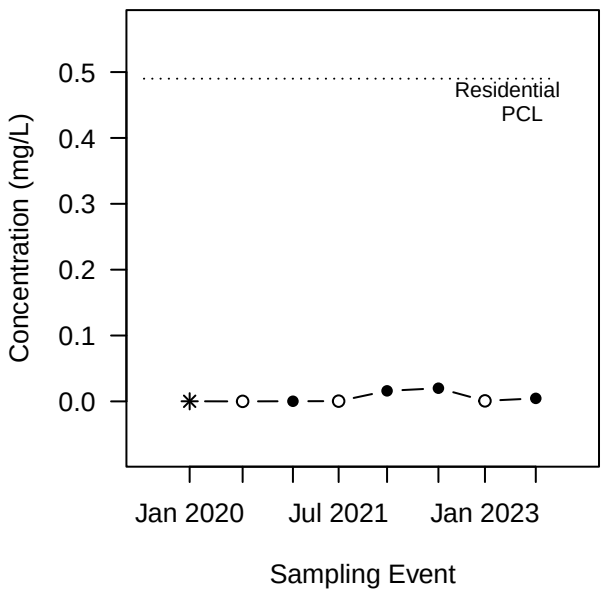
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−46C

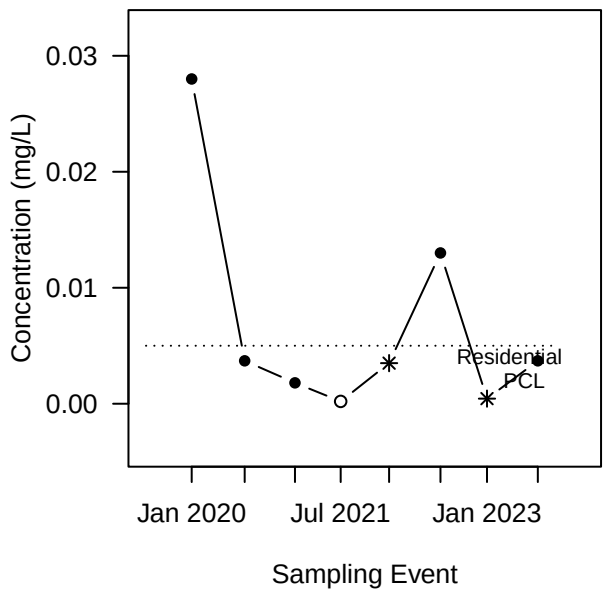
2−Methylnaphthalene (Det/N = 7/8)
No Trend
(p−value=0.133 and CV=1.4)



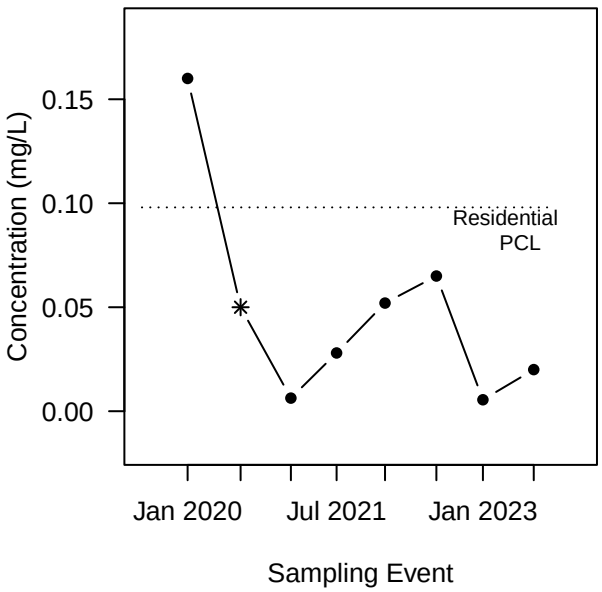
2,4−Dimethylphenol (Det/N = 5/8)
No Trend
(p−value=0.222 and CV=1.5)



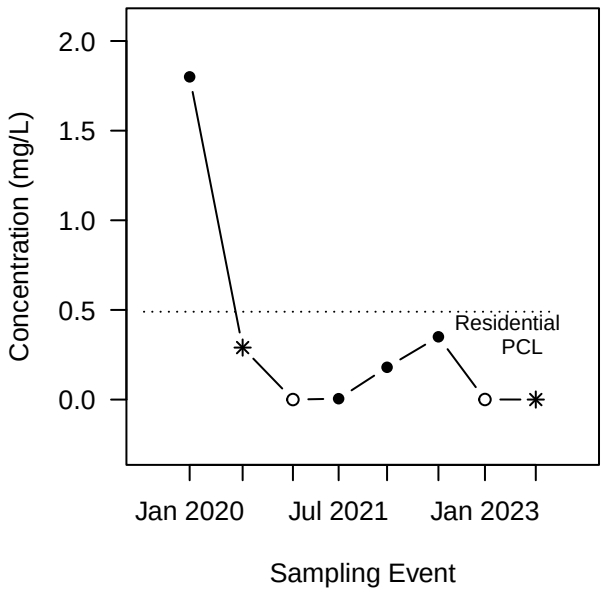
Benzene (Det/N = 7/8)
No Trend
(p−value=0.309 and CV=1.4)



Dibenzofuran (Det/N = 8/8)
No Trend
(p−value=0.193 and CV=1)



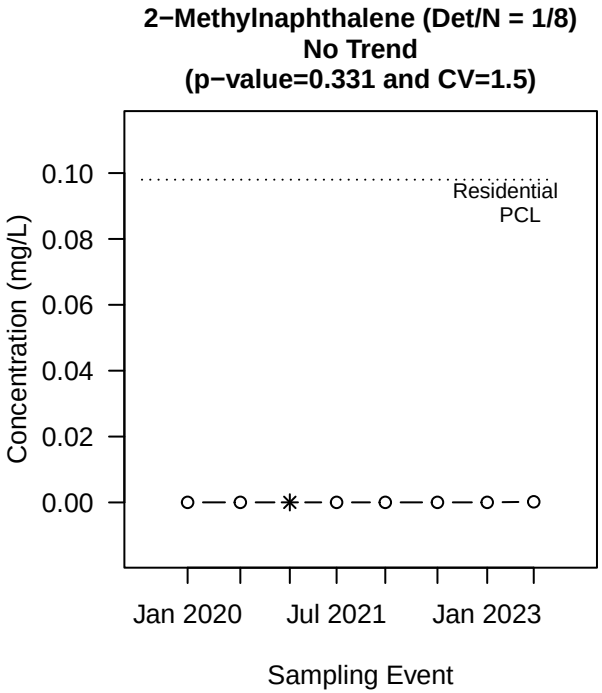
Naphthalene (Det/N = 6/8)
No Trend
(p−value=0.159 and CV=1.9)

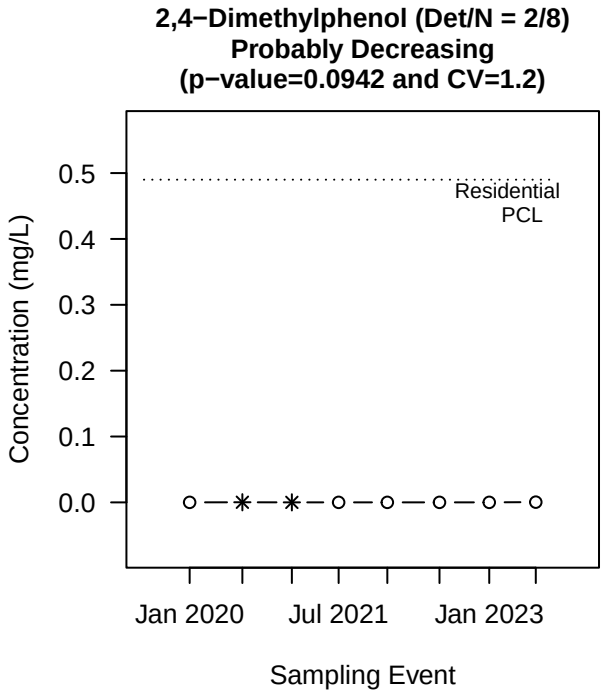


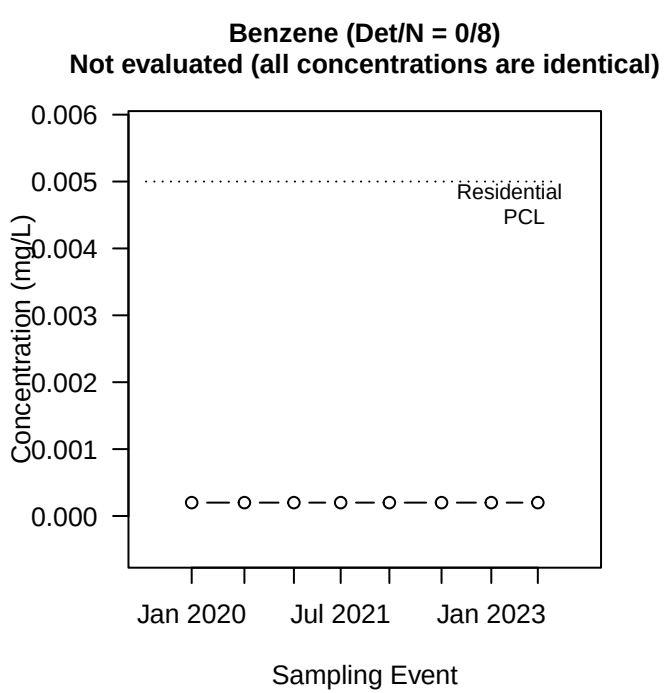
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

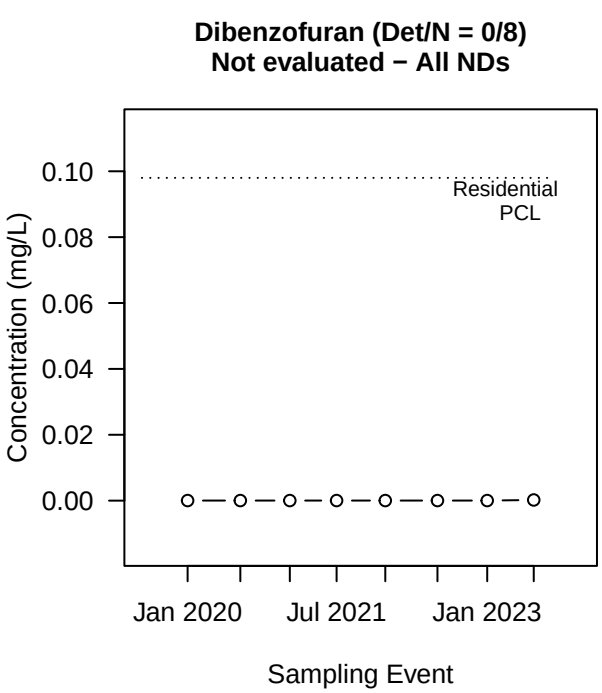
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

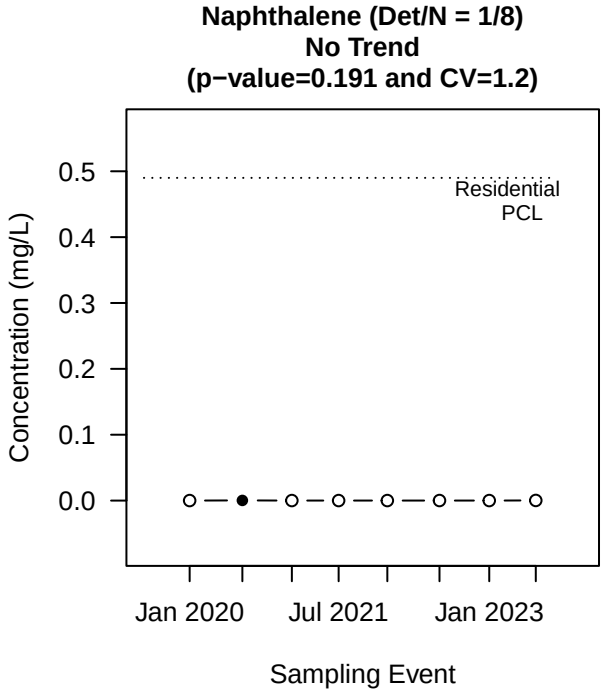
Mann−Kendall Trend Tests for MW−47A

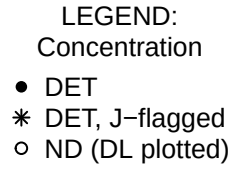








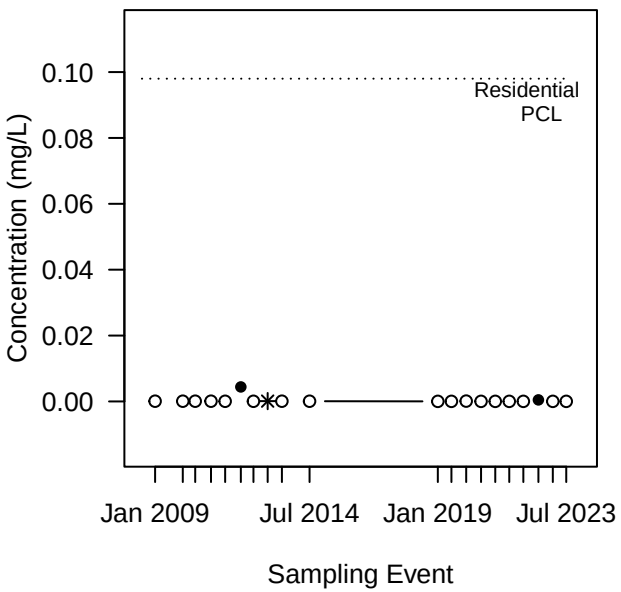




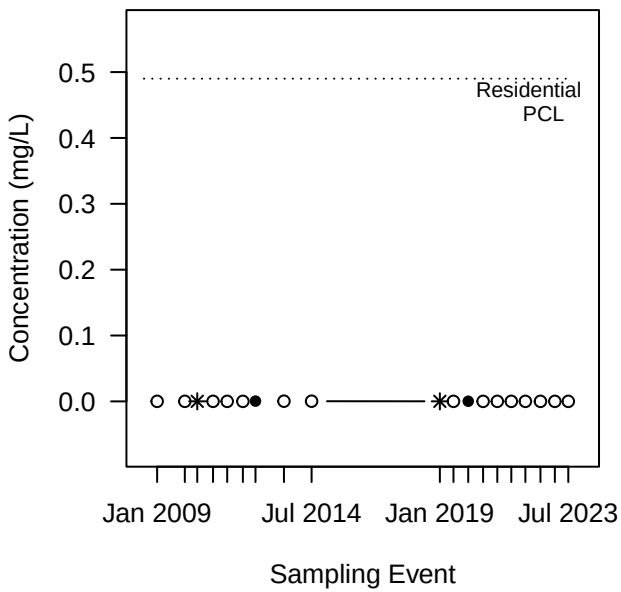
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−47C

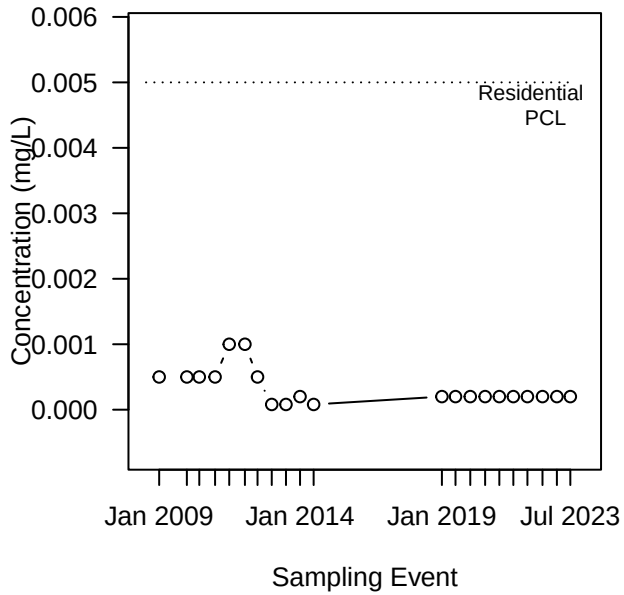
2−Methylnaphthalene (Det/N = 3/20)
No Trend
(p−value=0.5 and CV=3.4)



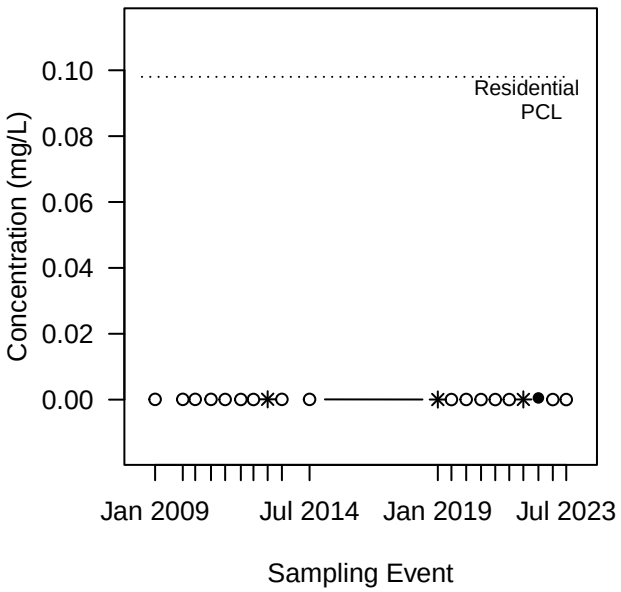
2,4−Dimethylphenol (Det/N = 4/19)
No Trend
(p−value=0.229 and CV=1)



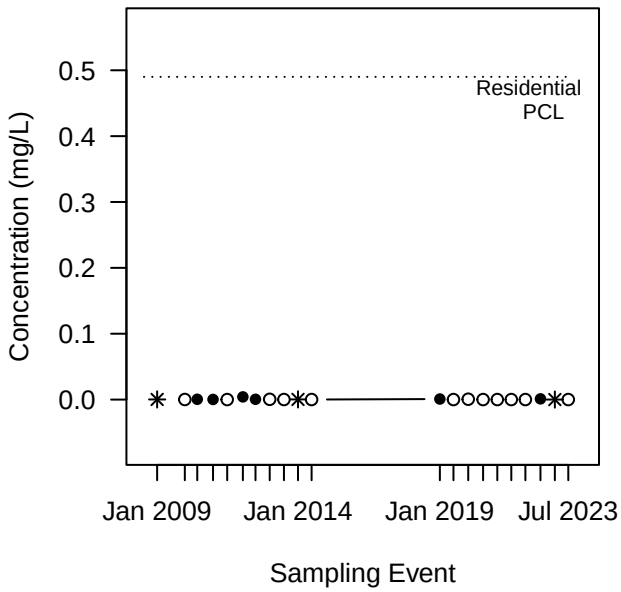
Benzene (Det/N = 0/21)
Not evaluated − All NDs



Dibenzofuran (Det/N = 4/20)
No Trend
(p−value=0.121 and CV=1.4)



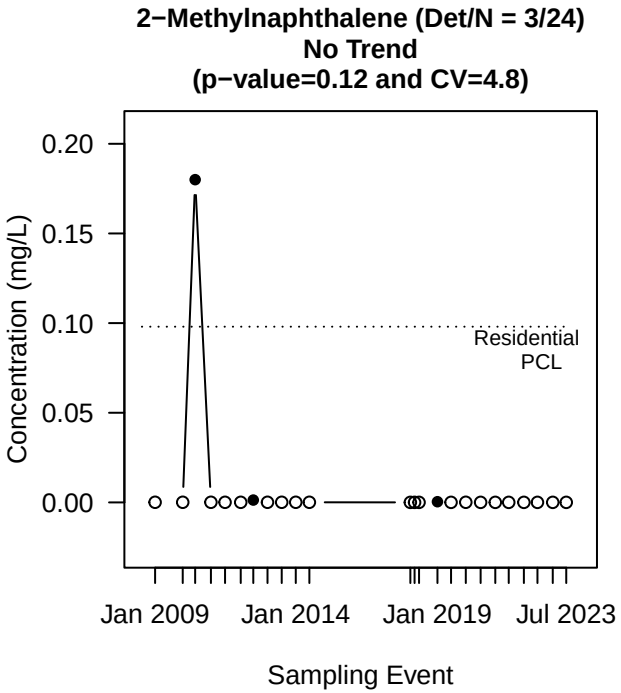
Naphthalene (Det/N = 9/21)
No Trend
(p−value=0.173 and CV=2.1)

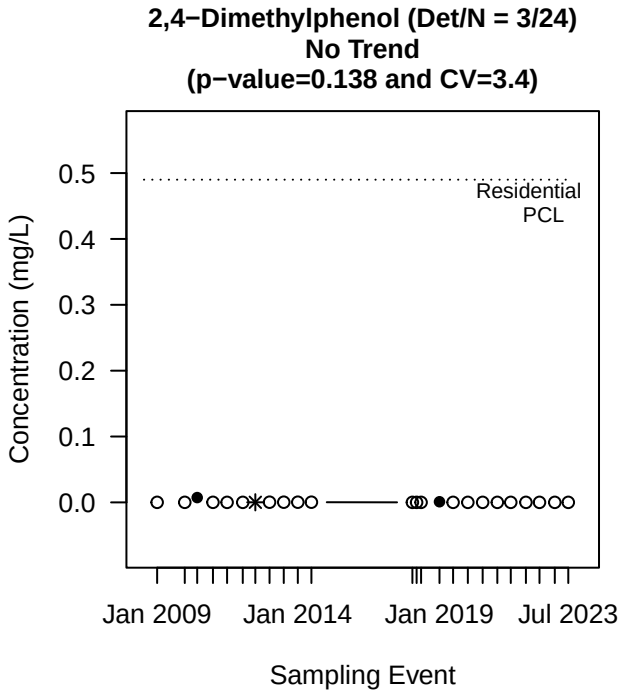


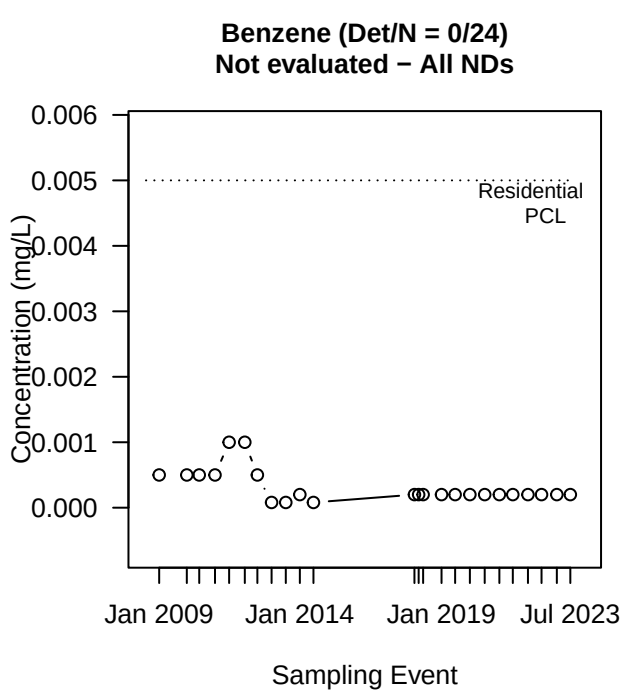
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

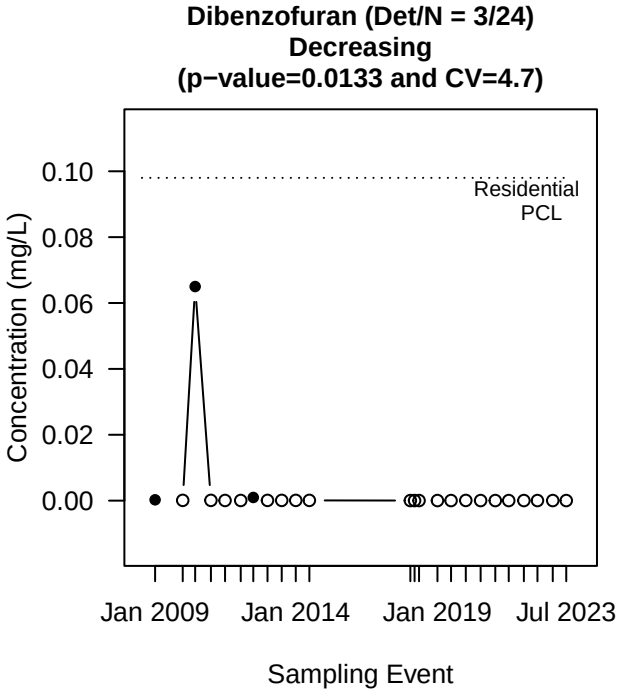
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

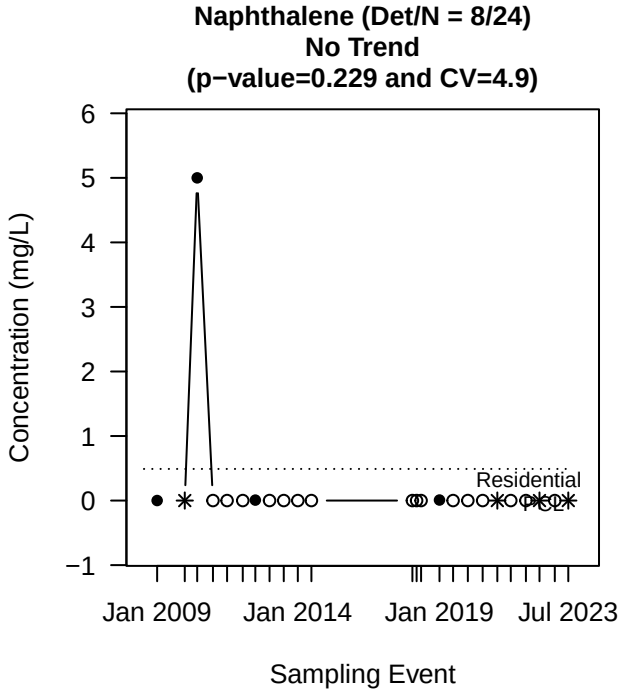
Mann−Kendall Trend Tests for MW−48C







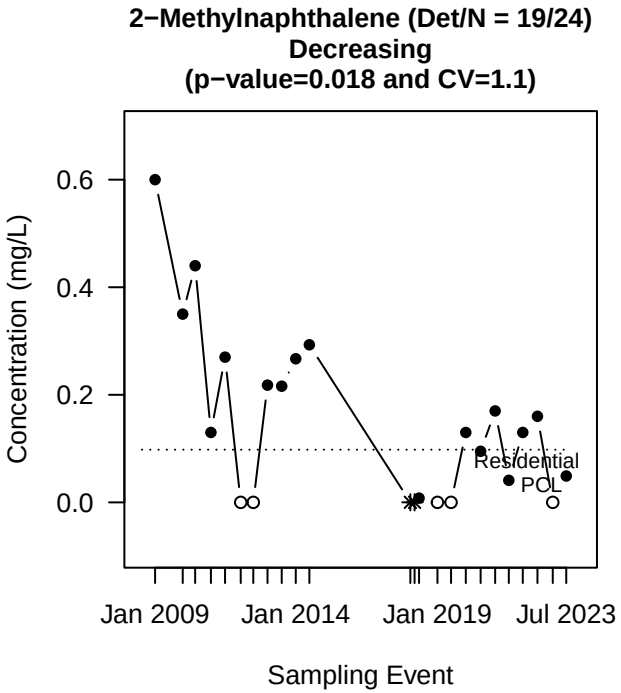


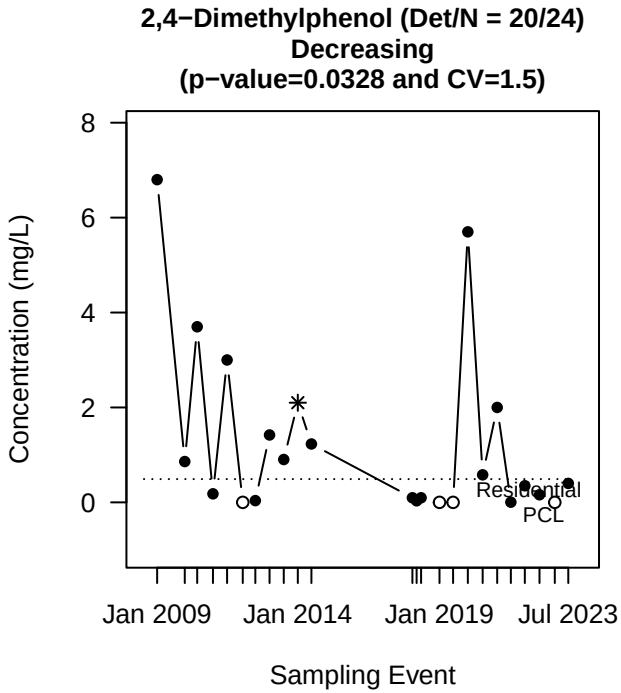


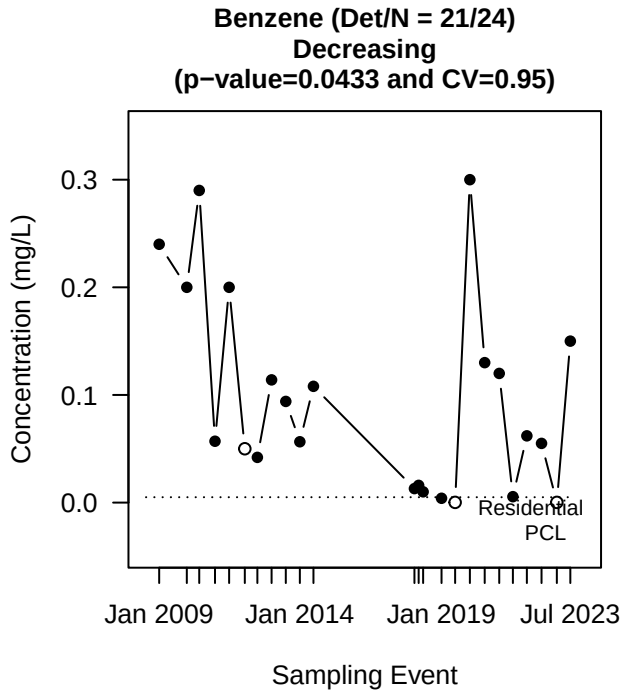
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

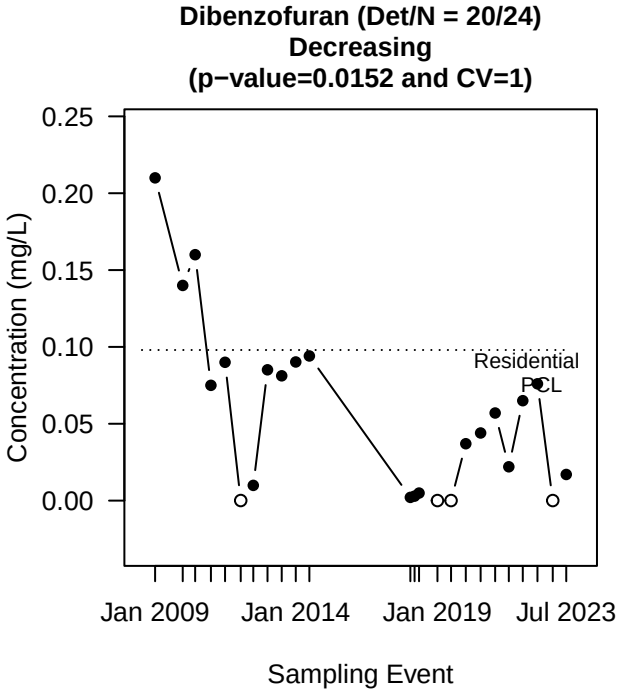
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

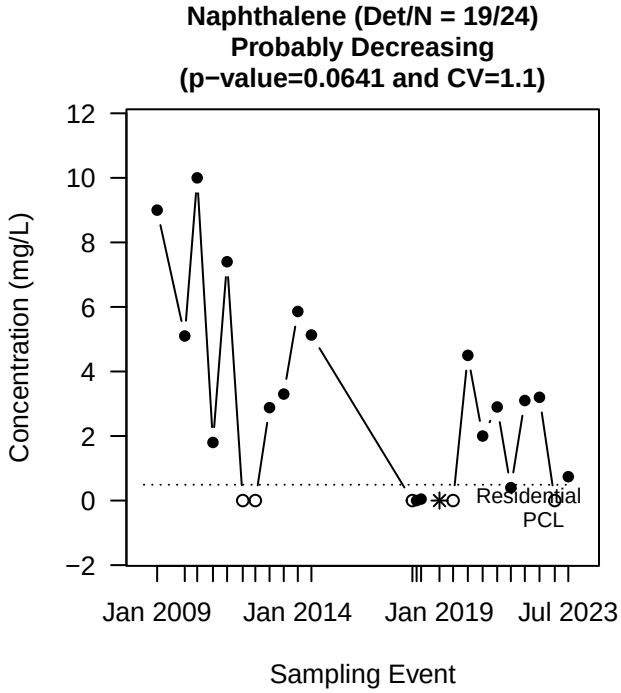
Mann−Kendall Trend Tests for MW−49A







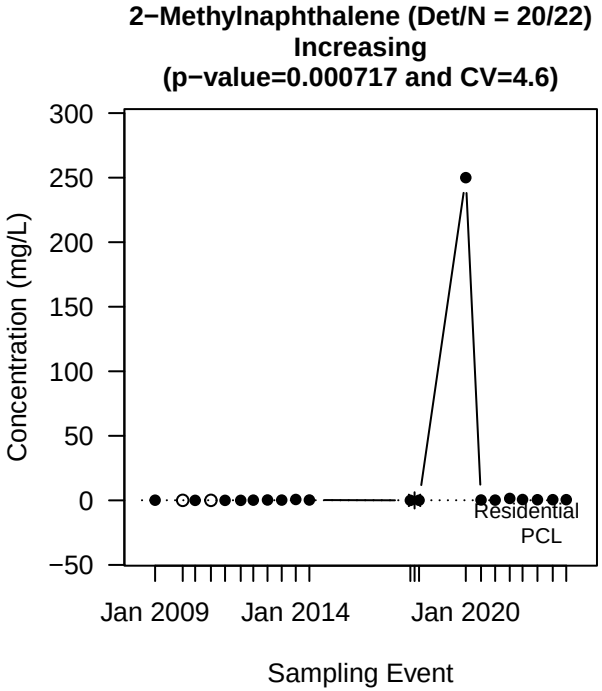


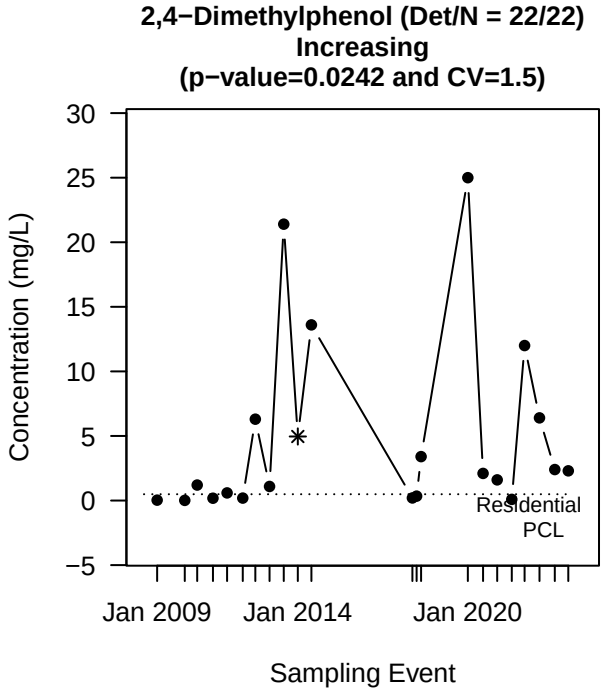


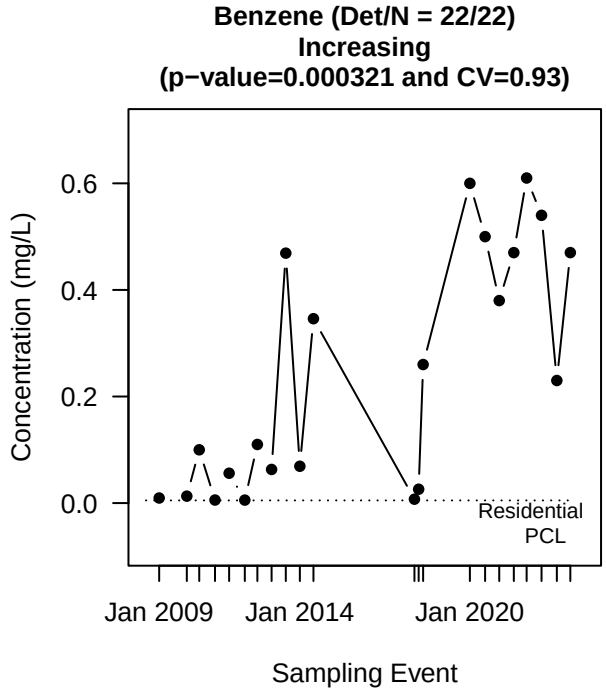
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

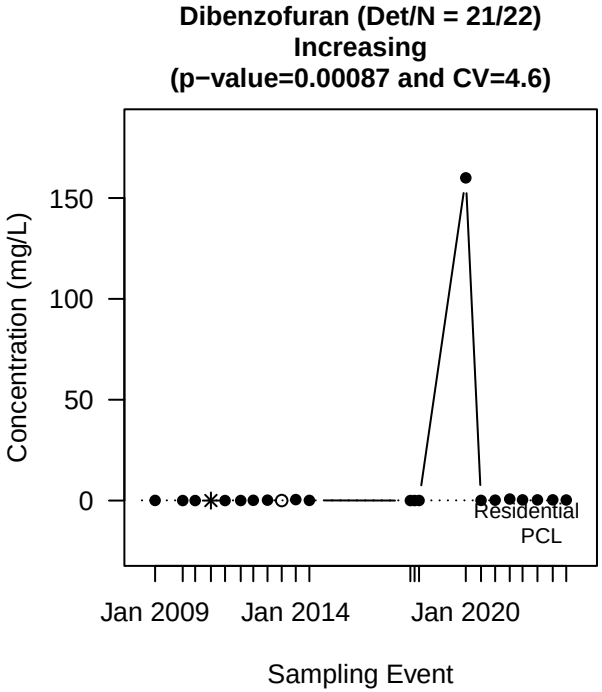
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

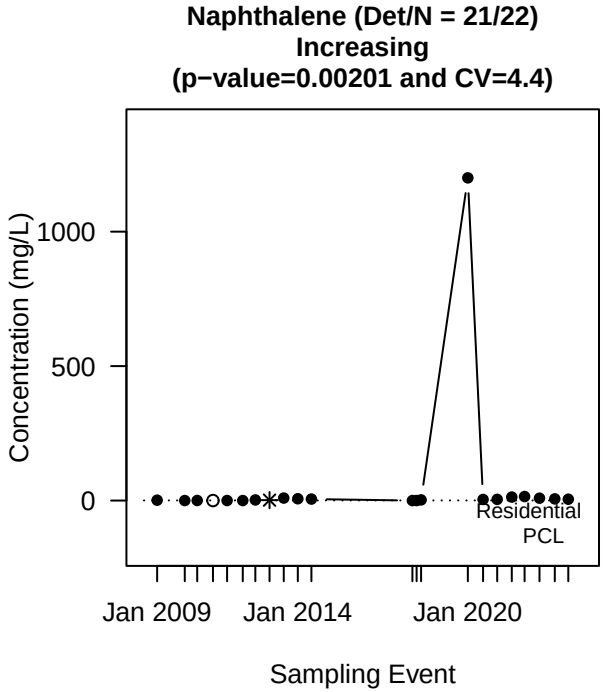
Mann−Kendall Trend Tests for MW−49B









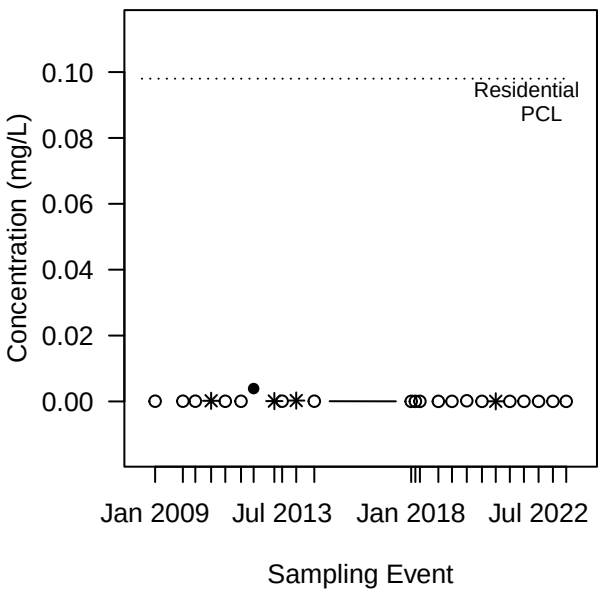


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

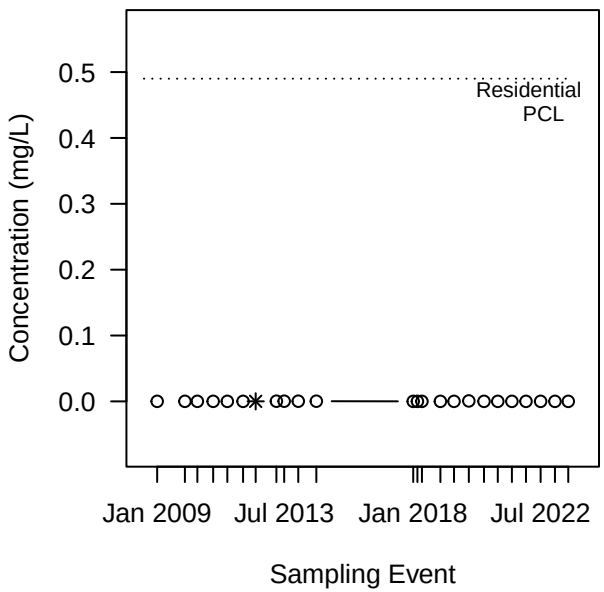
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−50A

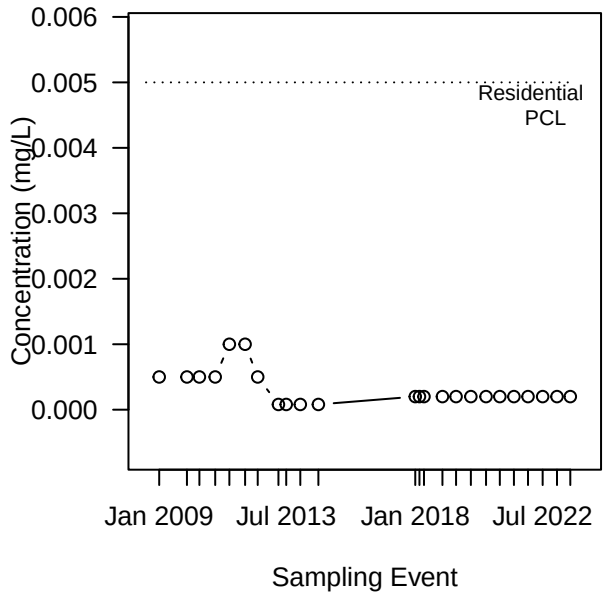
2−Methylnaphthalene (Det/N = 5/24)
No Trend
(p−value=0.13 and CV=3.5)



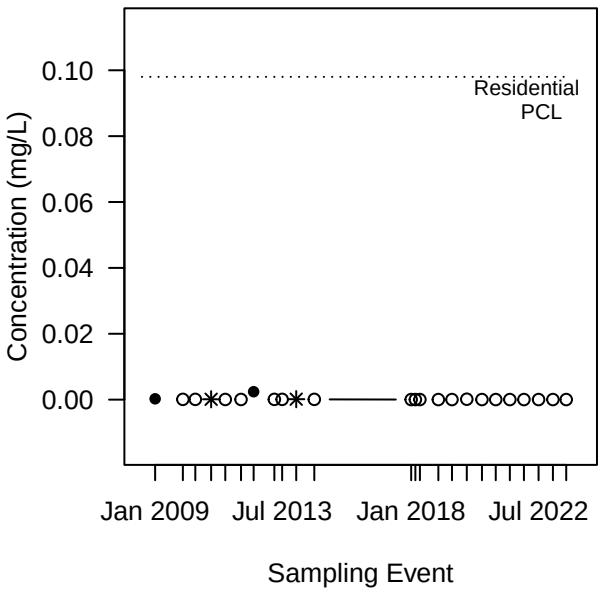
2,4−Dimethylphenol (Det/N = 1/24)
No Trend
(p−value=0.235 and CV=1.3)



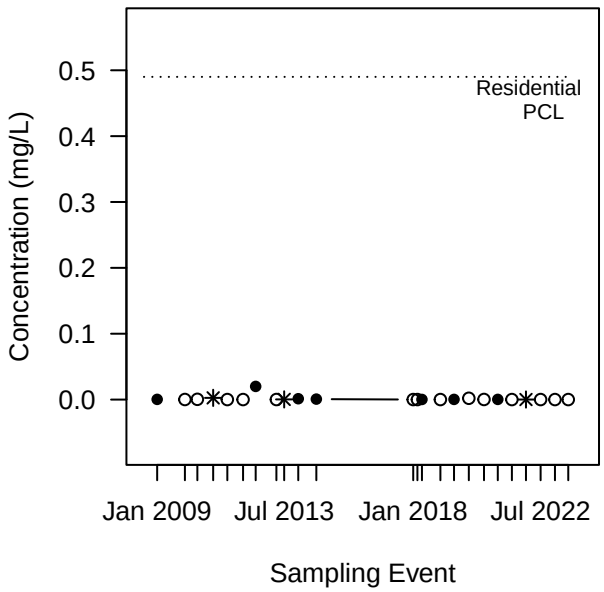
Benzene (Det/N = 0/24)
Not evaluated − All NDs



Dibenzofuran (Det/N = 4/24)
Decreasing
(p−value=0.0172 and CV=3.1)



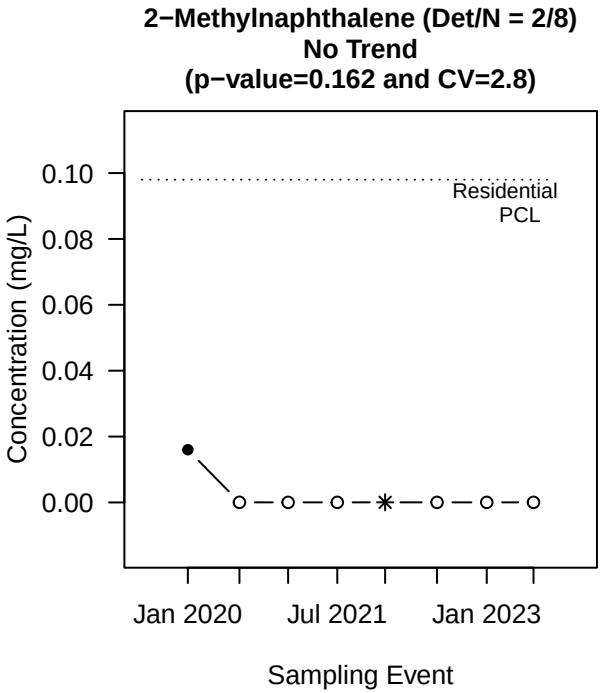
Naphthalene (Det/N = 10/24)
No Trend
(p−value=0.1 and CV=3.4)

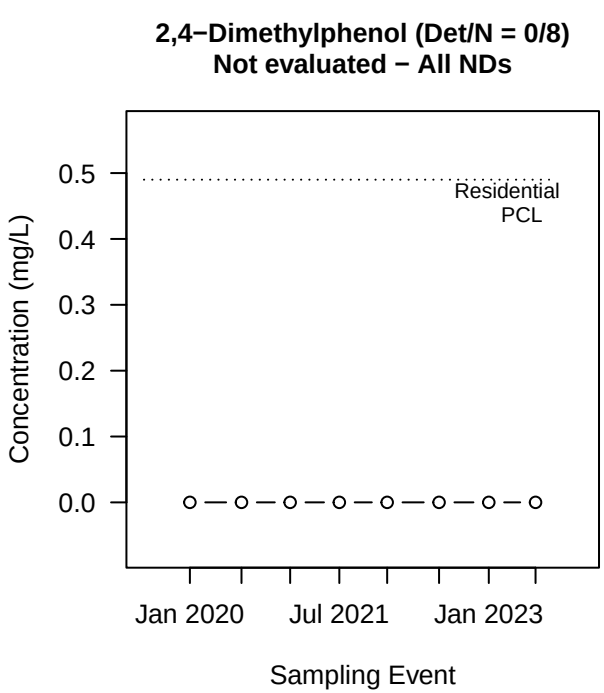


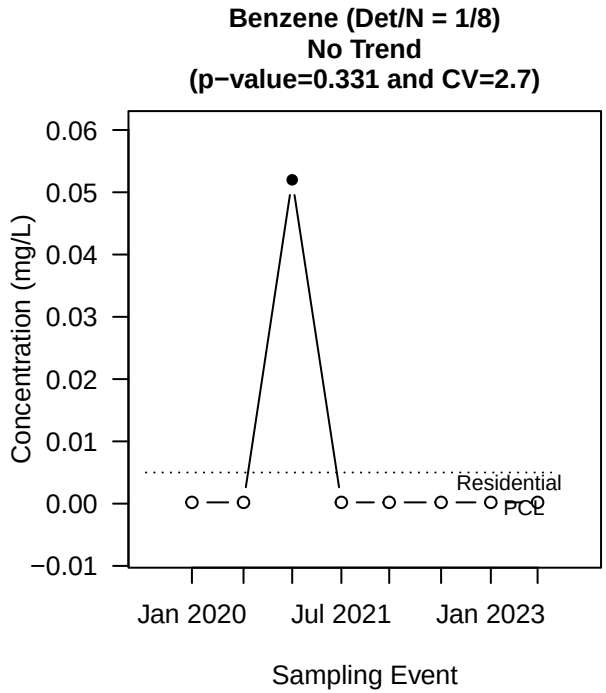
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

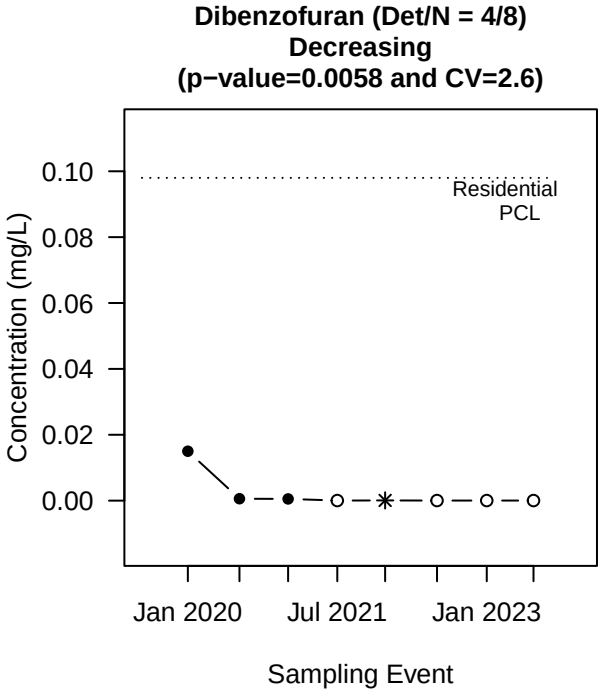
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

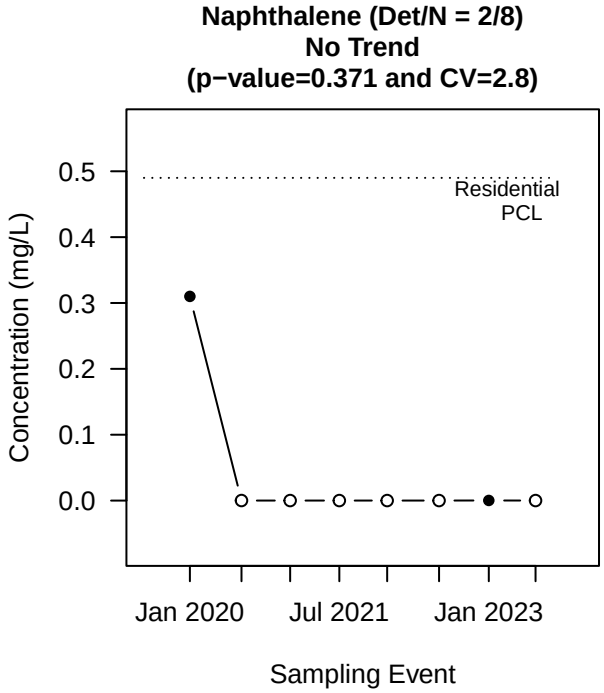
Mann−Kendall Trend Tests for MW−50B

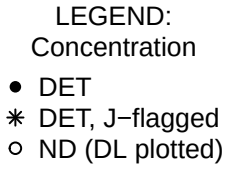






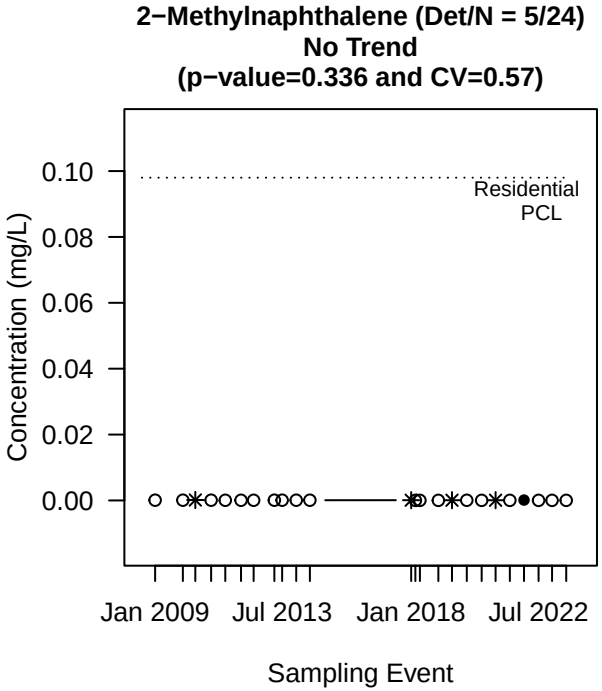


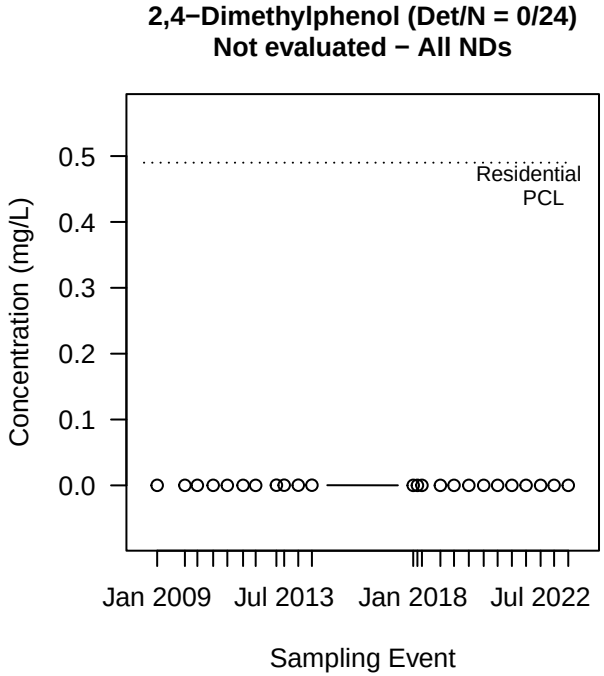


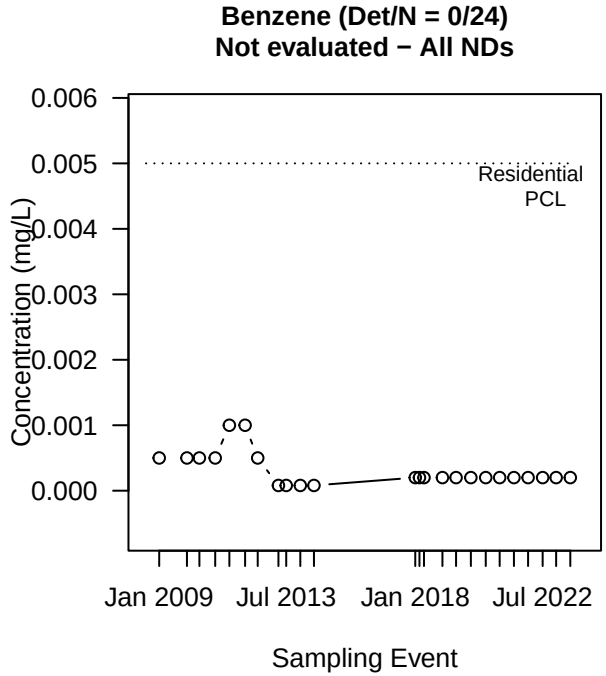


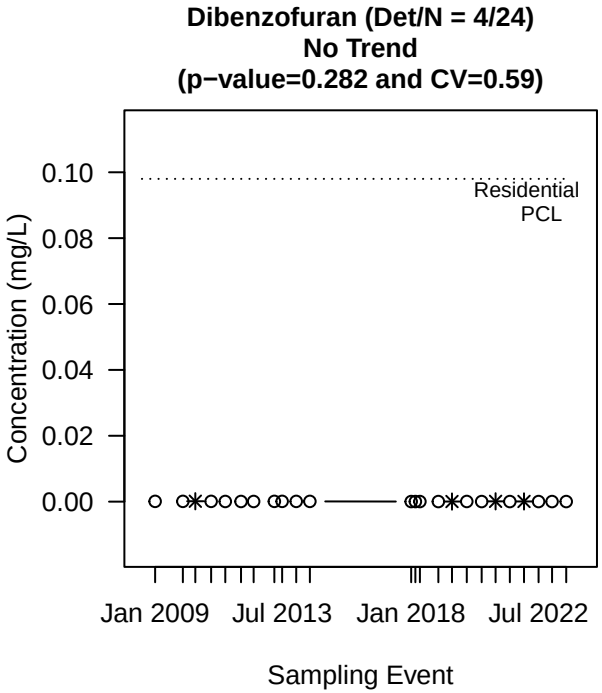
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

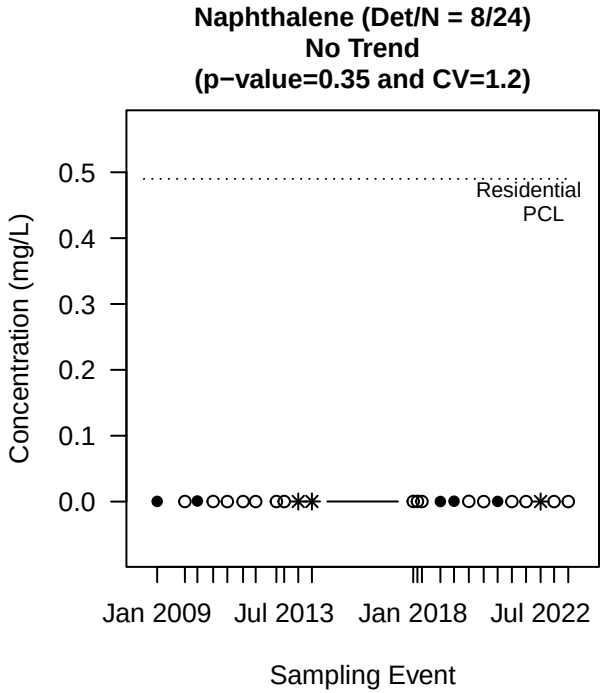
Mann−Kendall Trend Tests for MW−51A

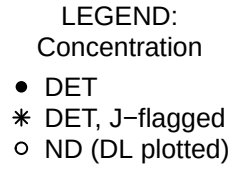






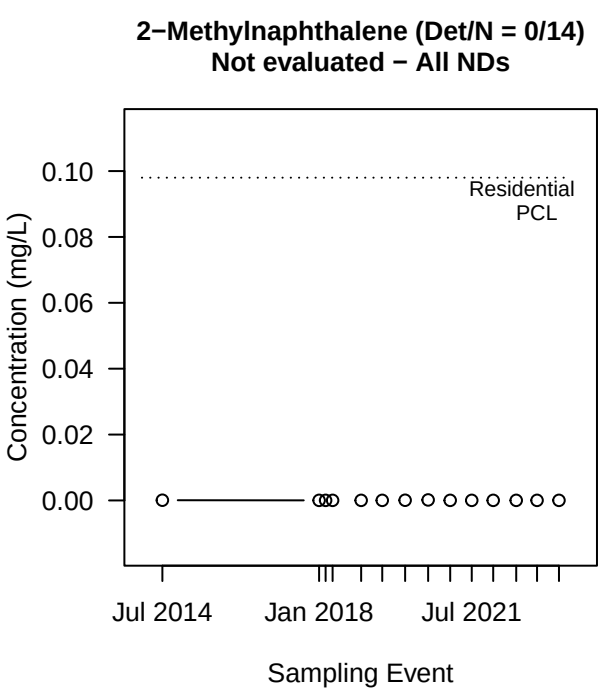


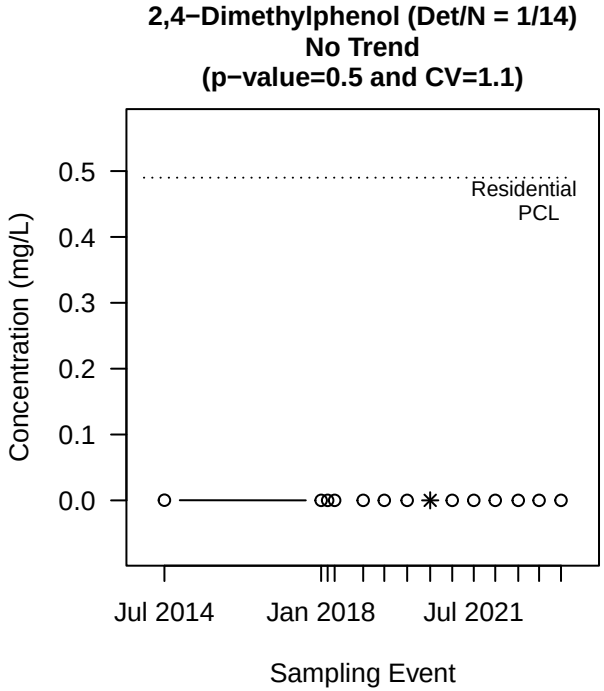


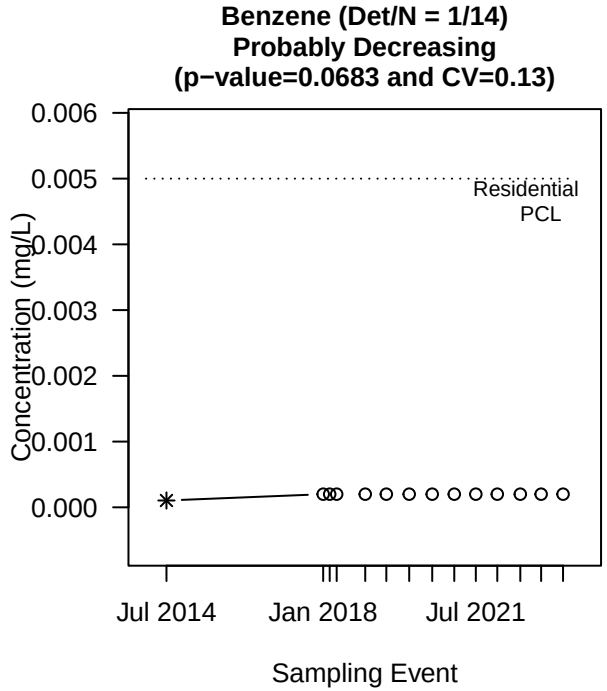


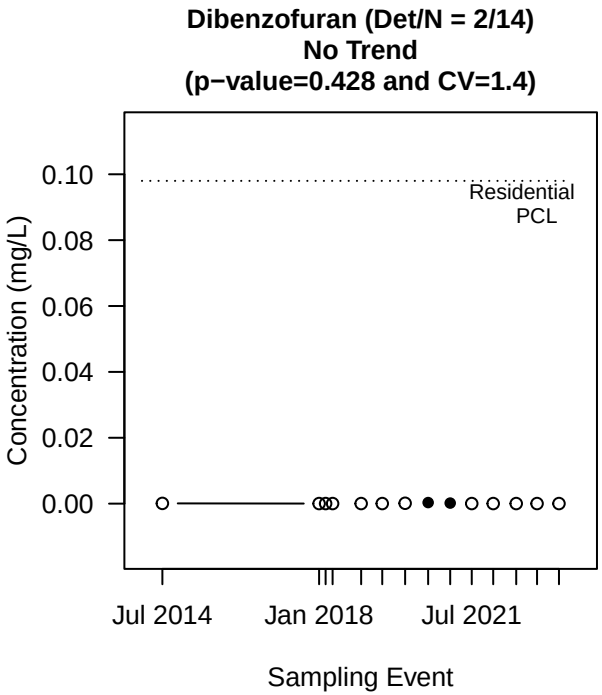
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

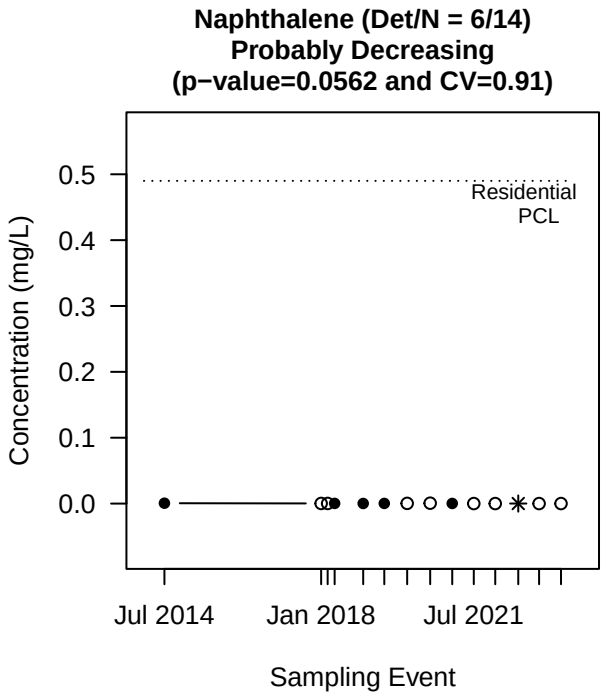
Mann−Kendall Trend Tests for MW−51C

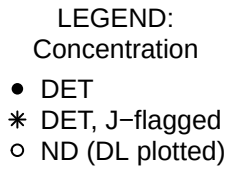






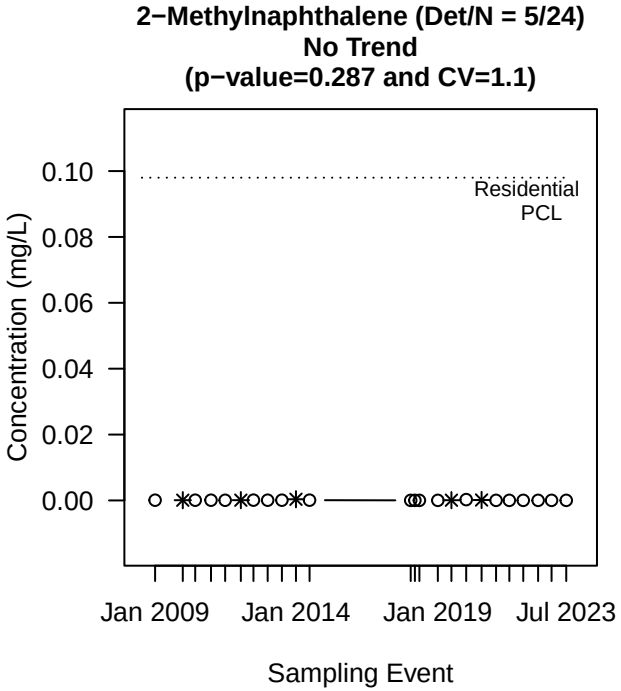


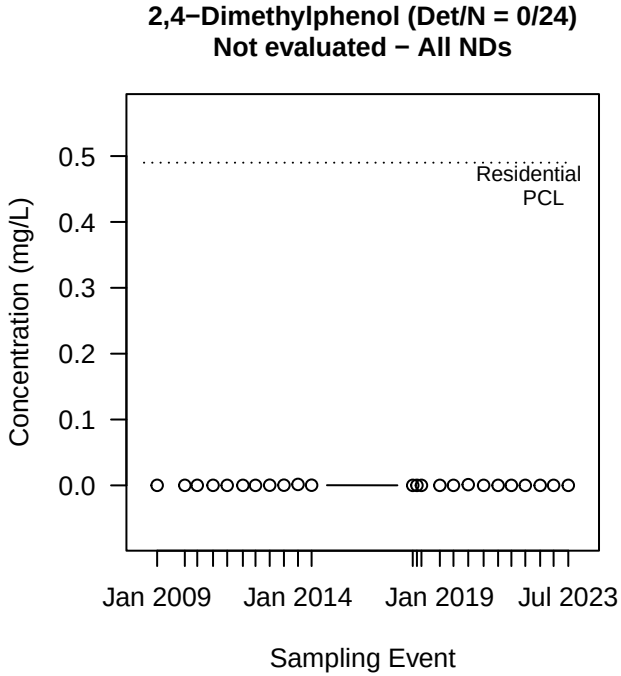


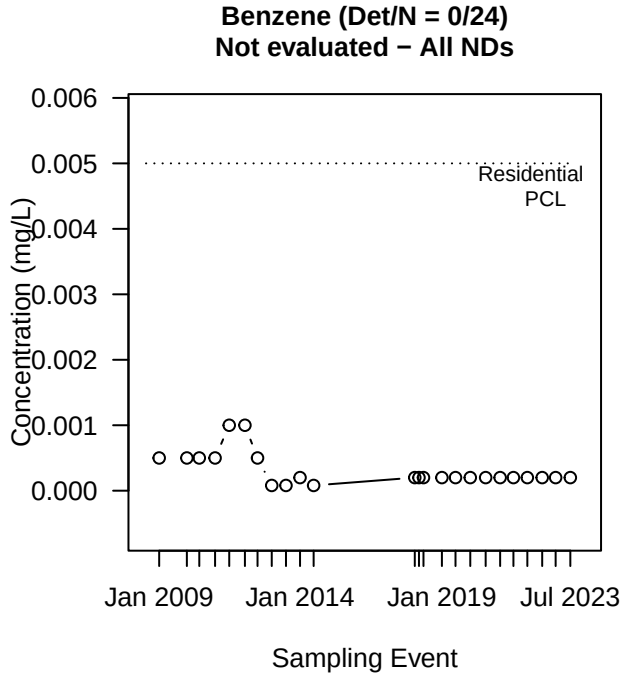


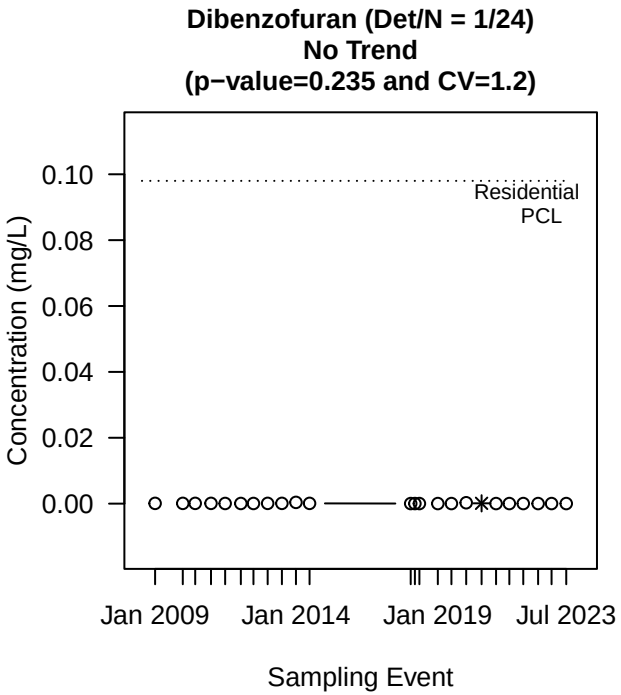
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

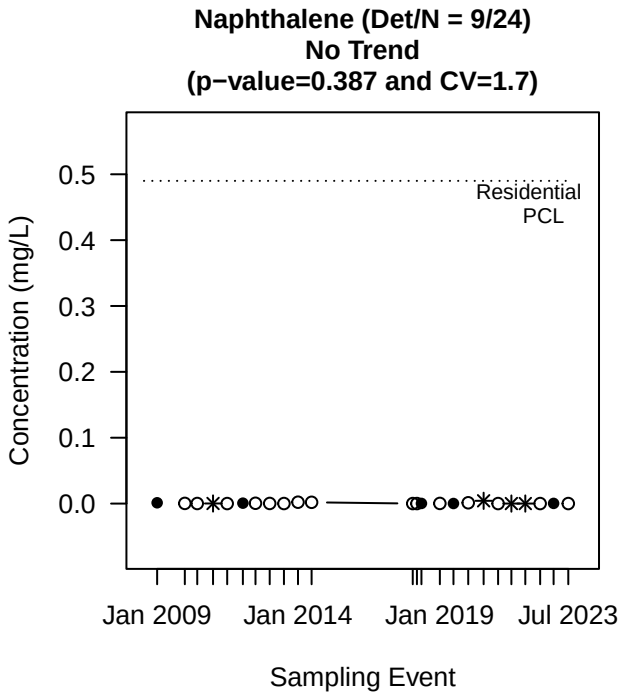
Mann−Kendall Trend Tests for MW−53C

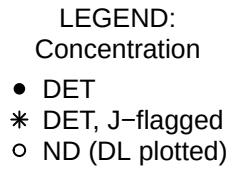






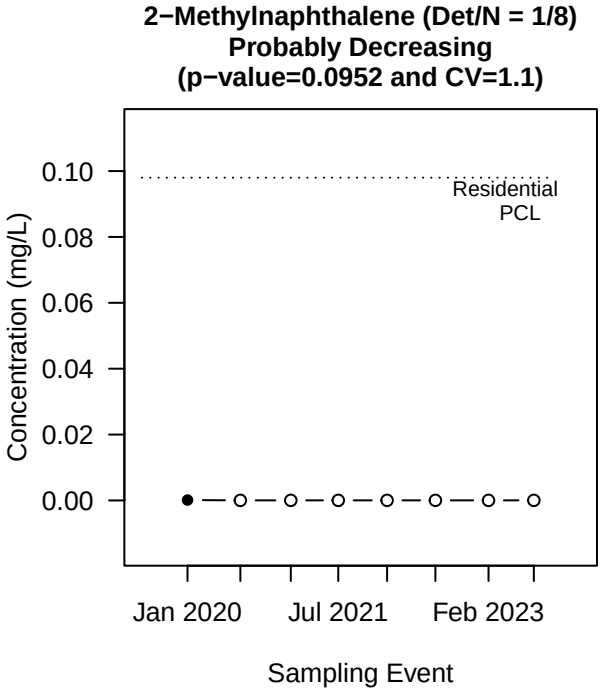


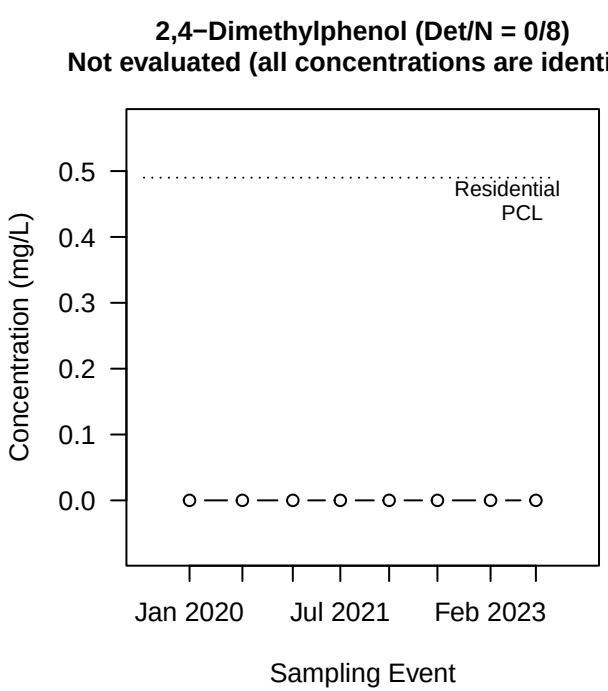


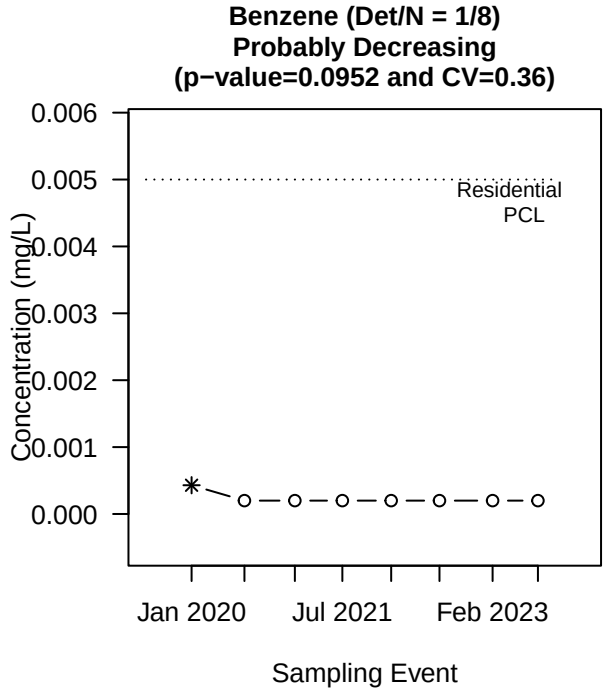


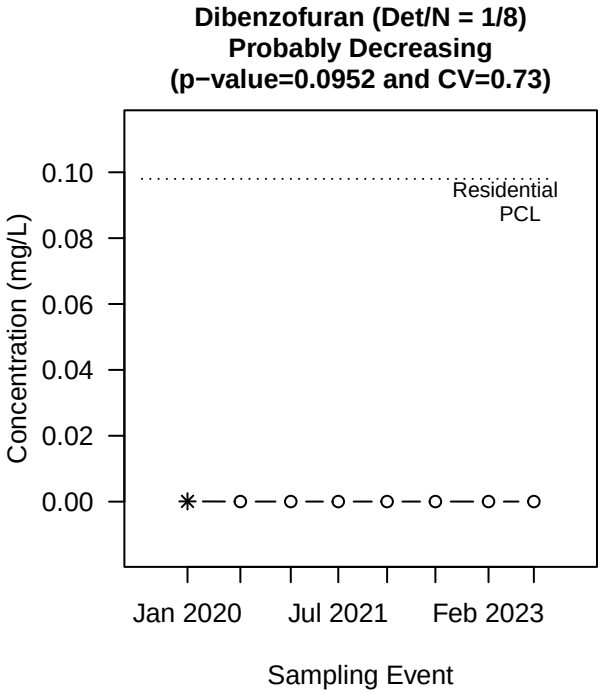
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

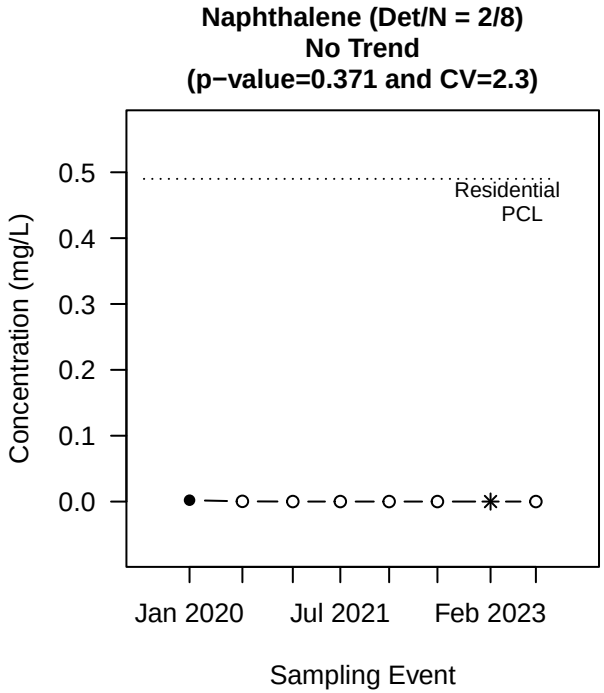
Mann−Kendall Trend Tests for MW−54B

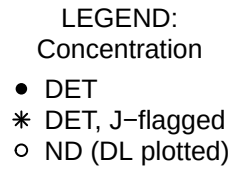






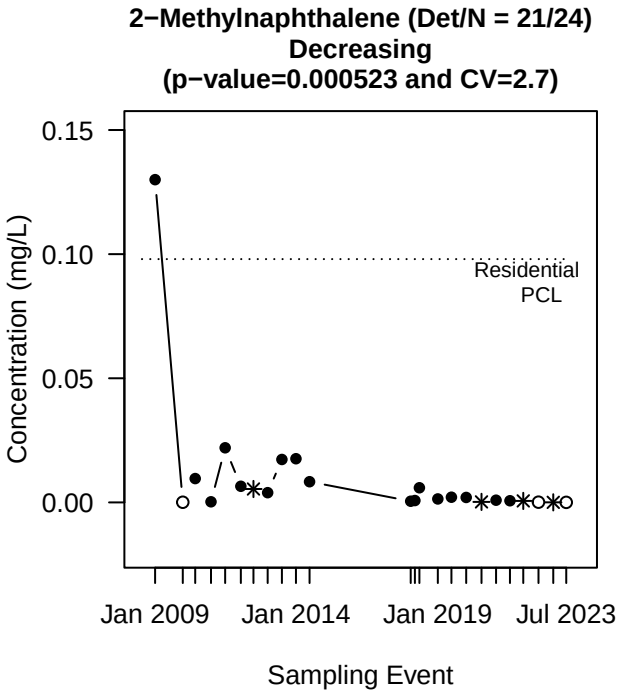


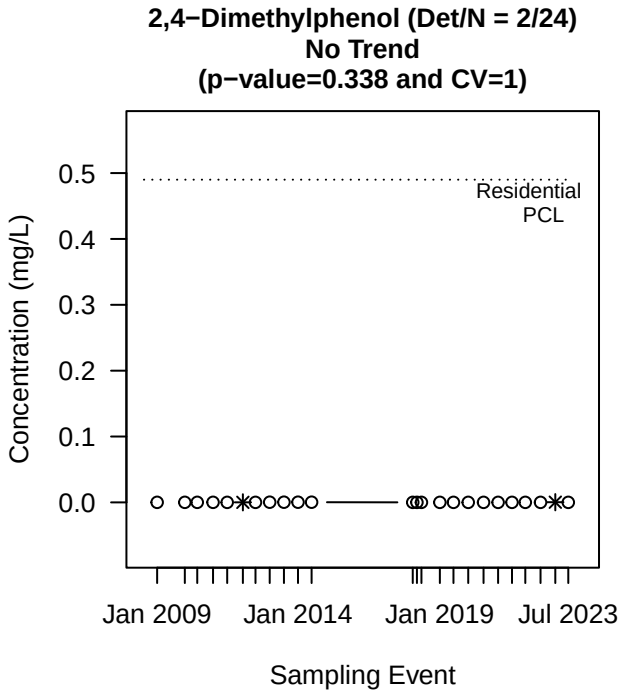


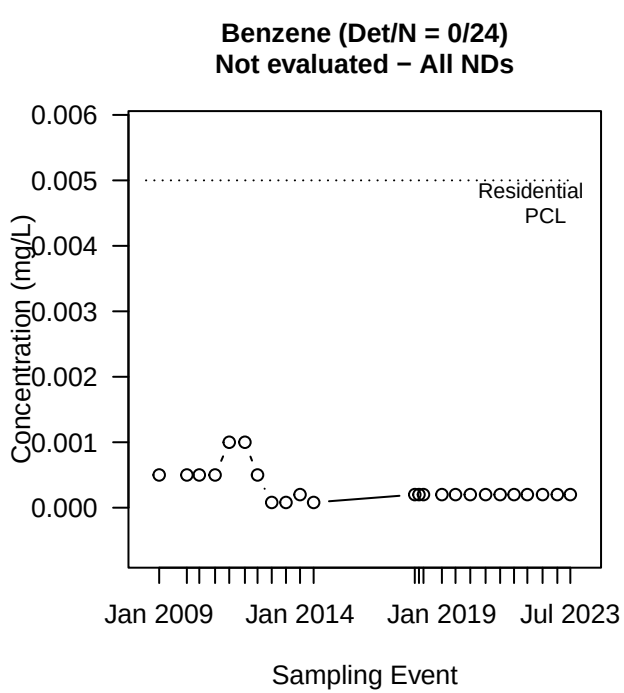


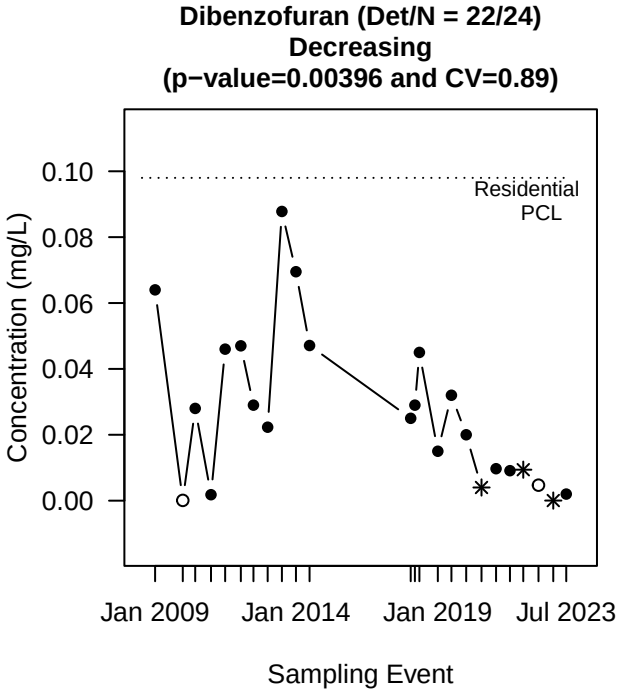
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

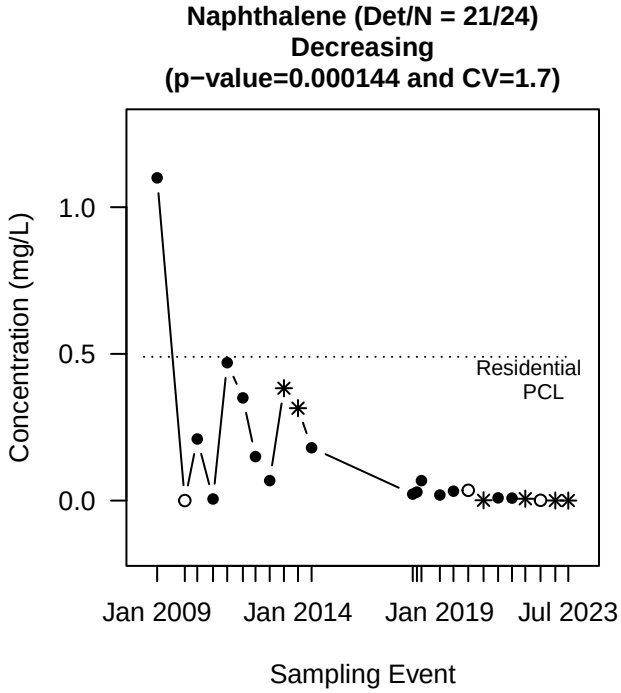
Mann−Kendall Trend Tests for MW−54C







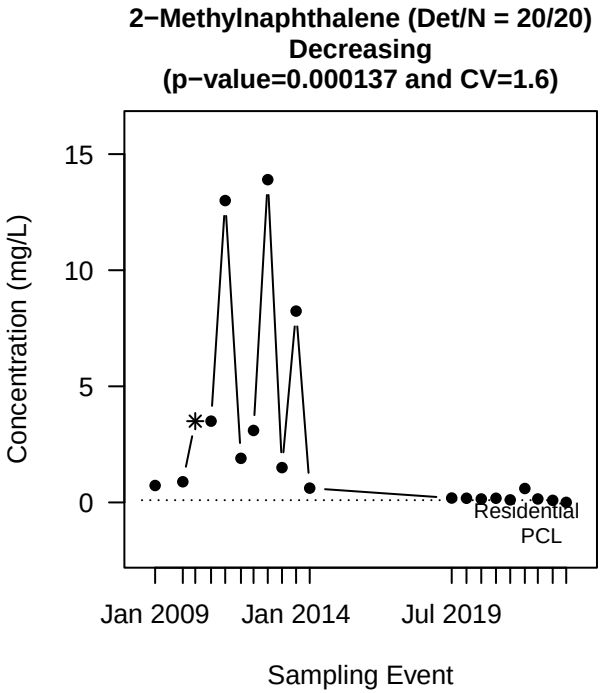


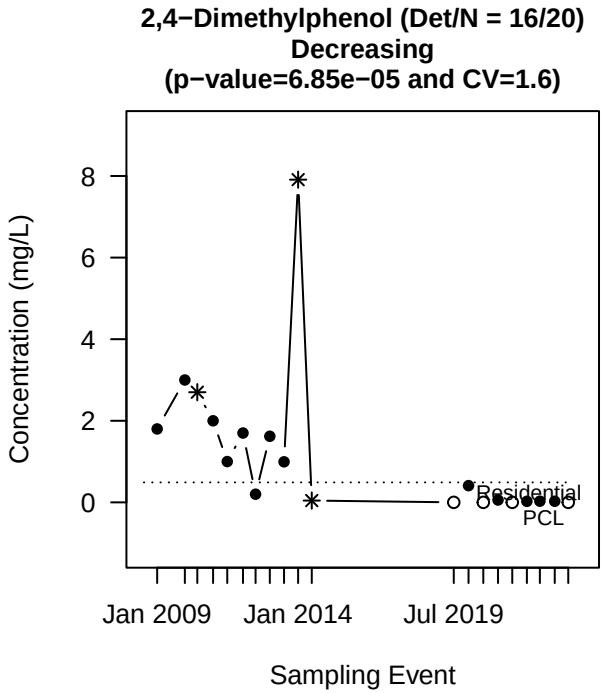


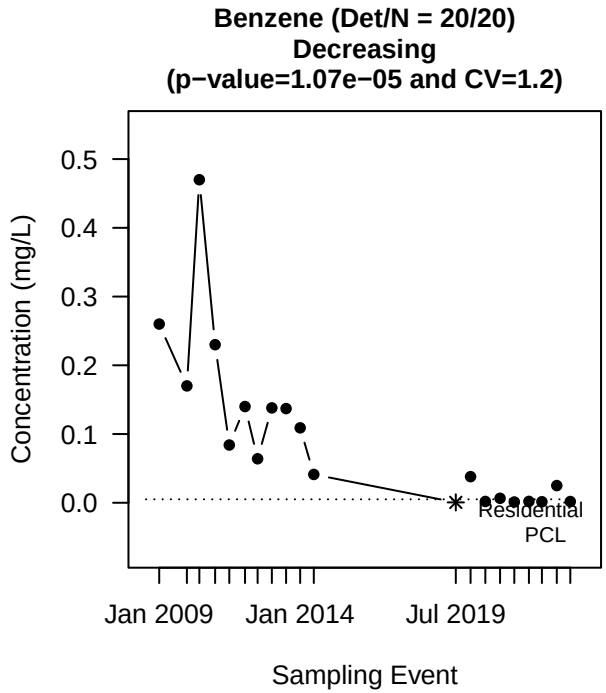
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

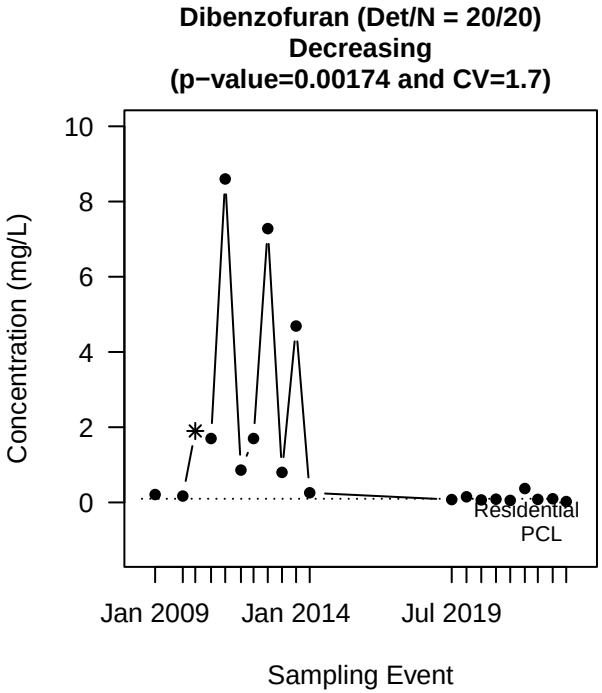
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

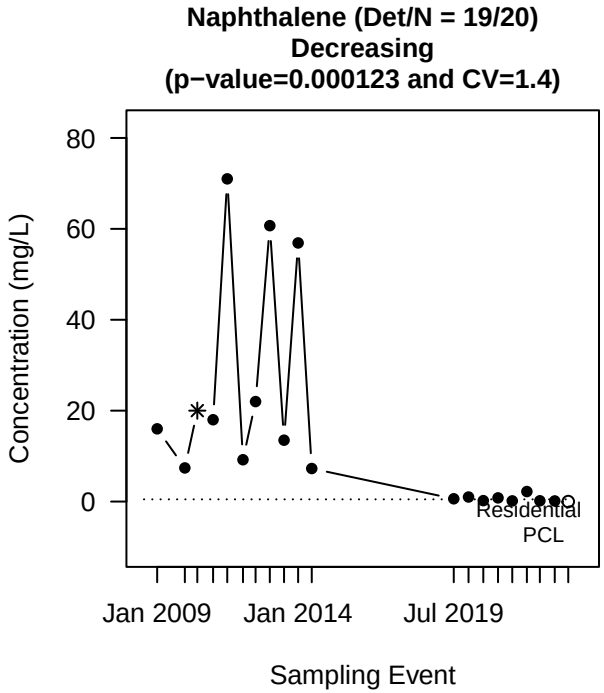
Mann−Kendall Trend Tests for MW−57A







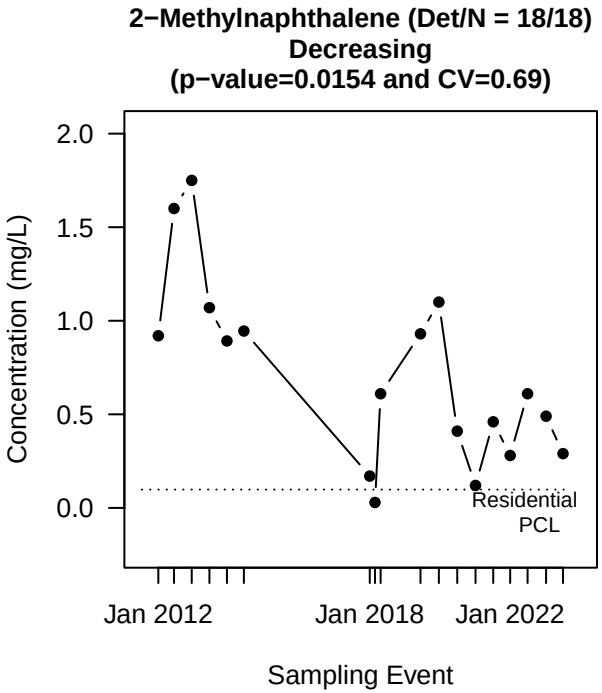


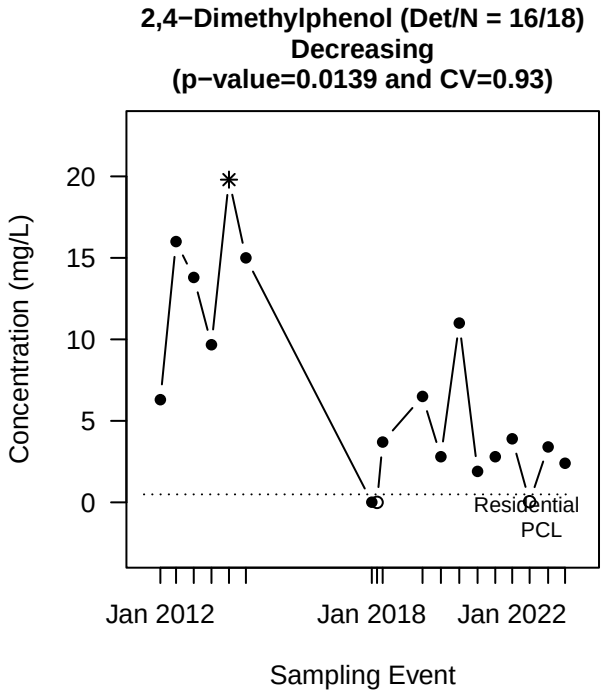


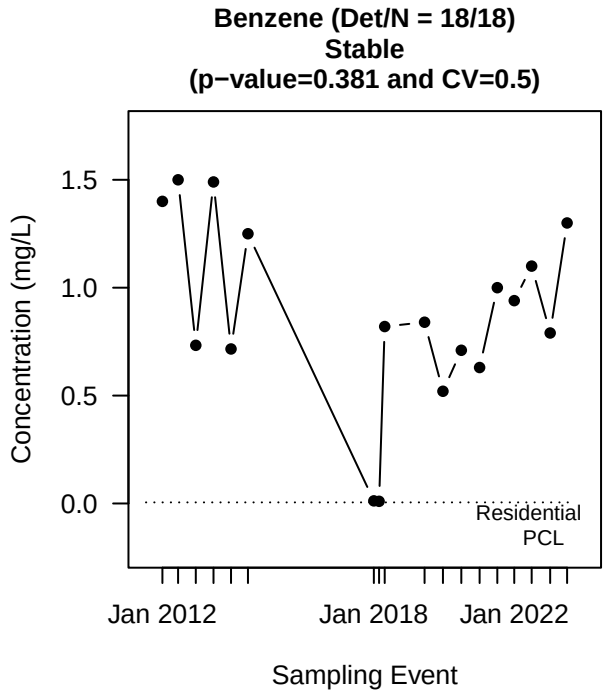
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

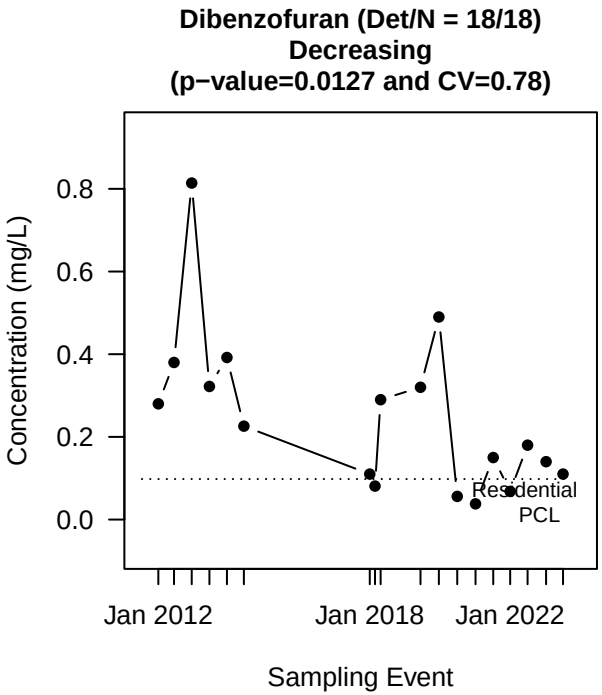
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

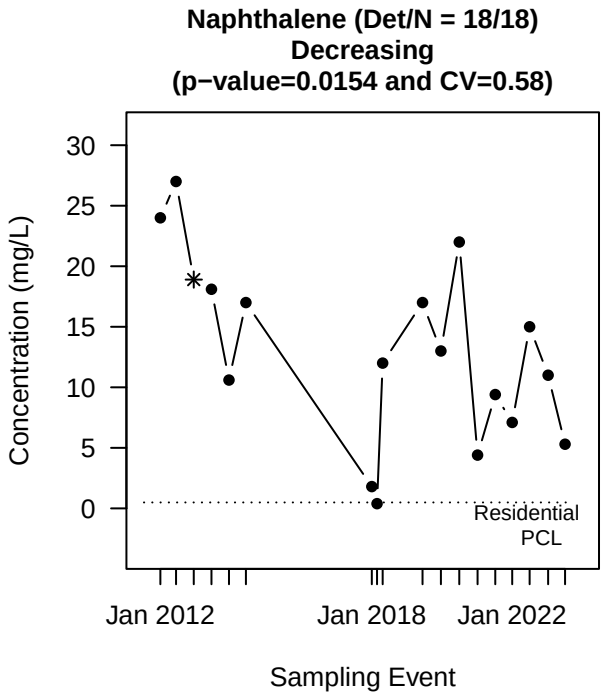
Mann−Kendall Trend Tests for MW−57B

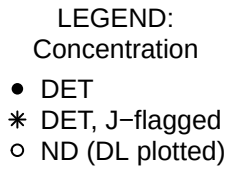






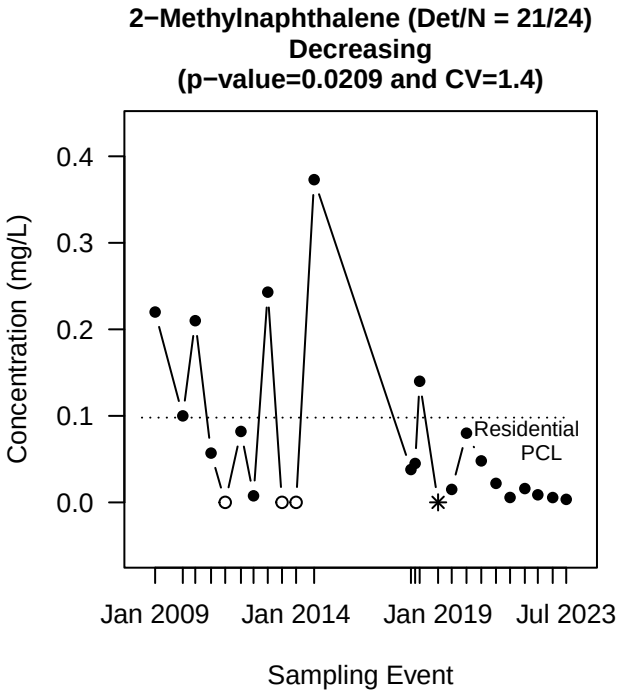


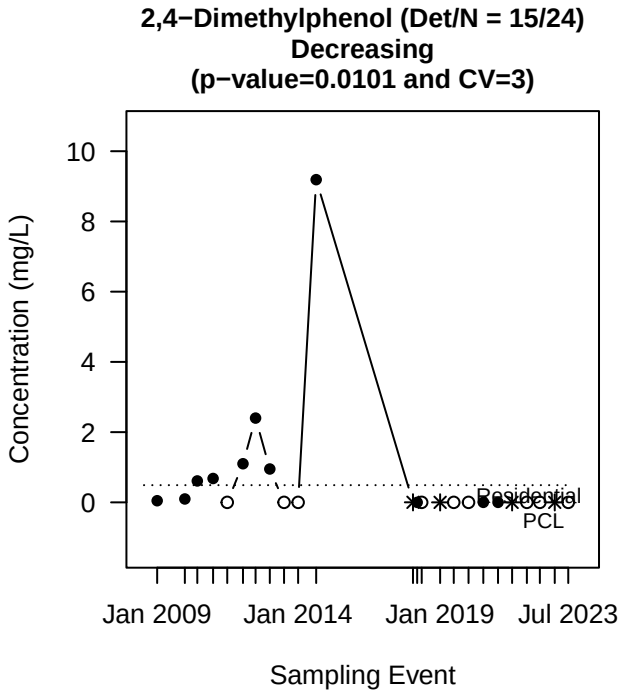


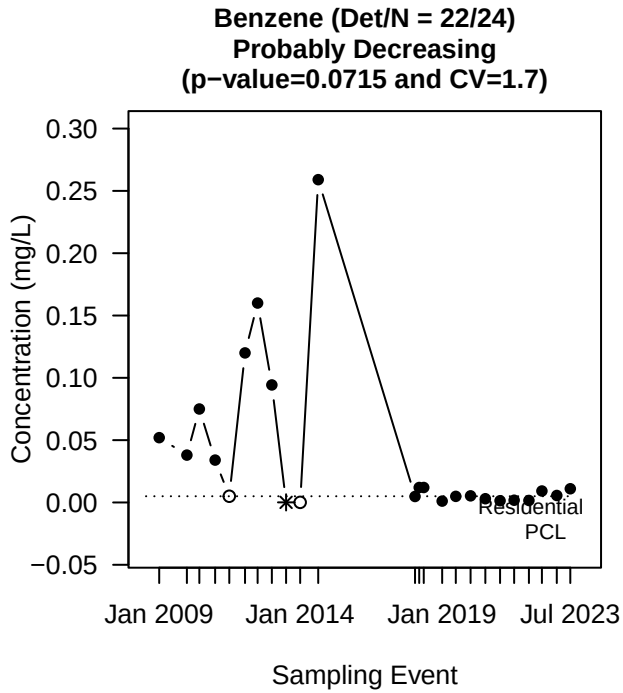


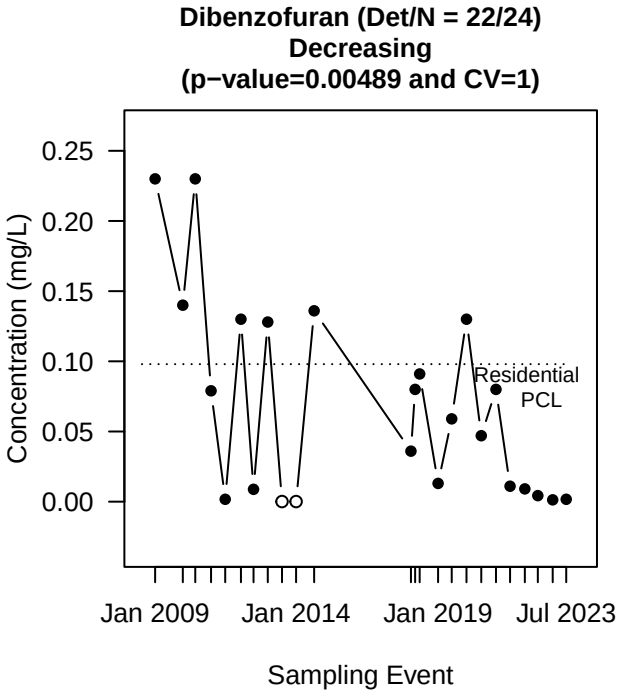
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

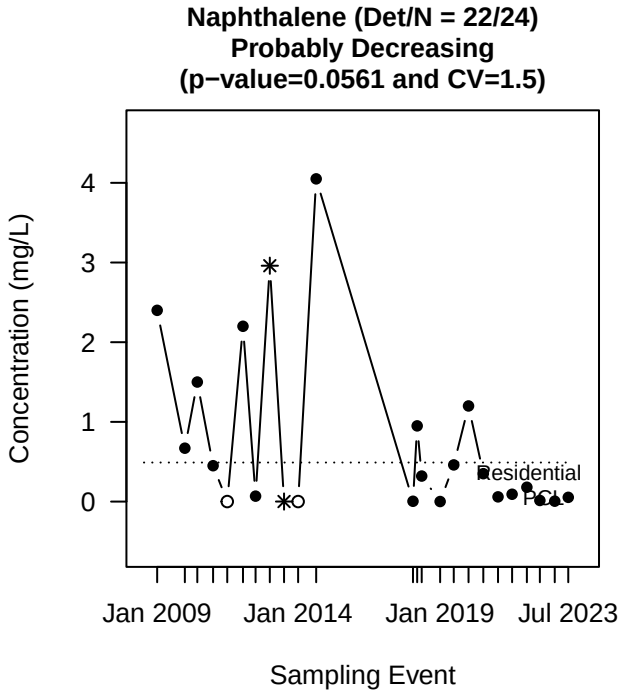
Mann−Kendall Trend Tests for MW−58A

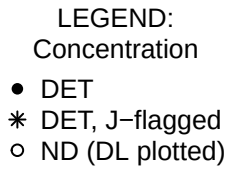








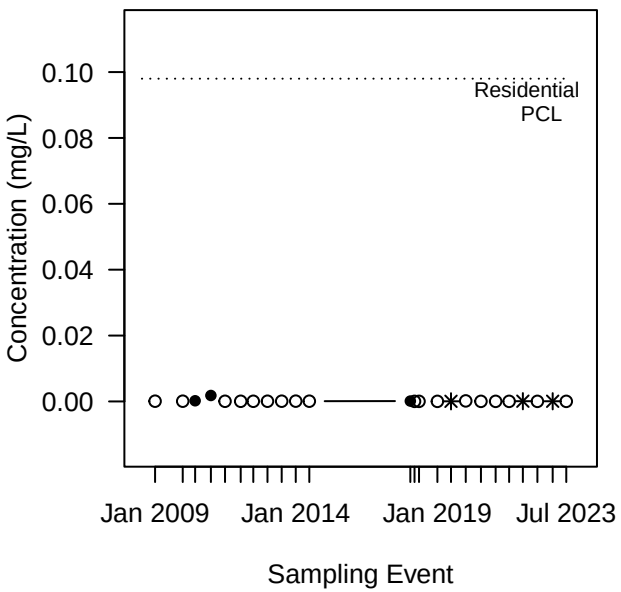




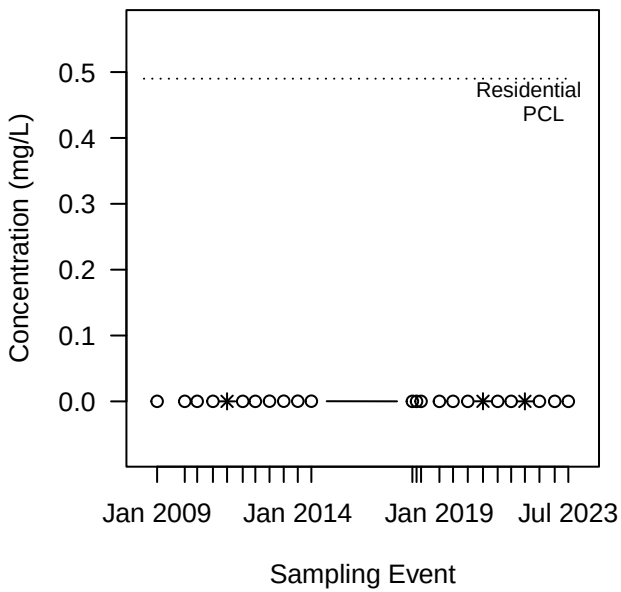
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−59A

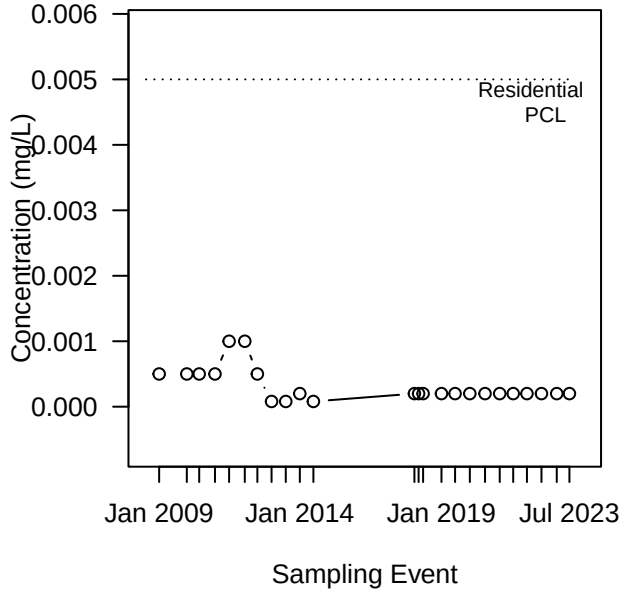
2−Methylnaphthalene (Det/N = 6/24)
No Trend
(p−value=0.5 and CV=2.7)



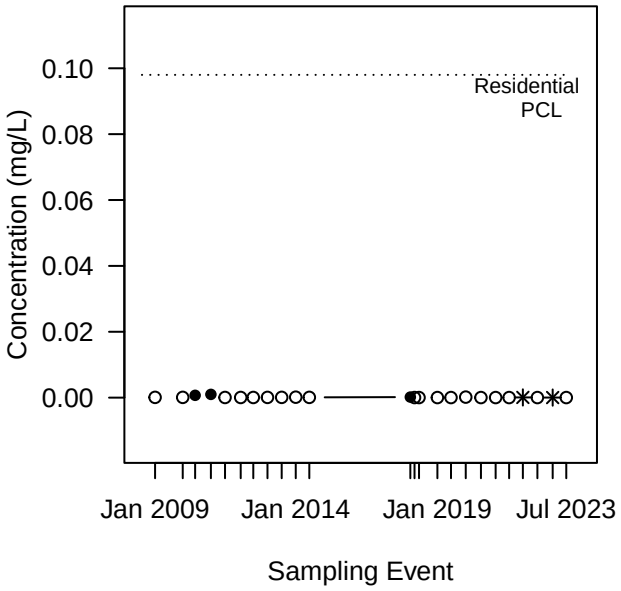
2,4−Dimethylphenol (Det/N = 3/24)
No Trend
(p−value=0.316 and CV=0.99)



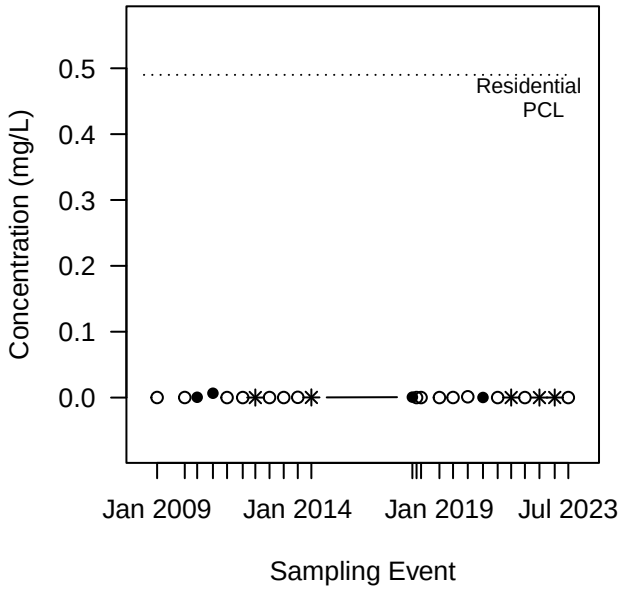
Benzene (Det/N = 0/24)
Not evaluated − All NDs



Dibenzofuran (Det/N = 5/24)
No Trend
(p−value=0.416 and CV=1.9)



Naphthalene (Det/N = 9/24)
No Trend
(p−value=0.5 and CV=3)

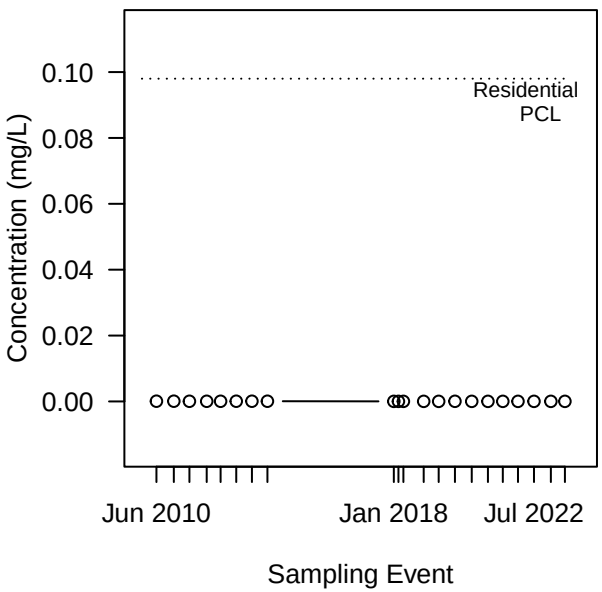


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

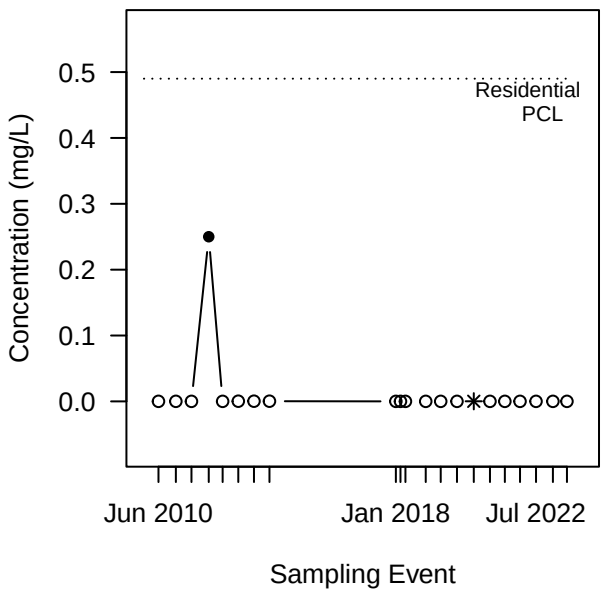
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−59B

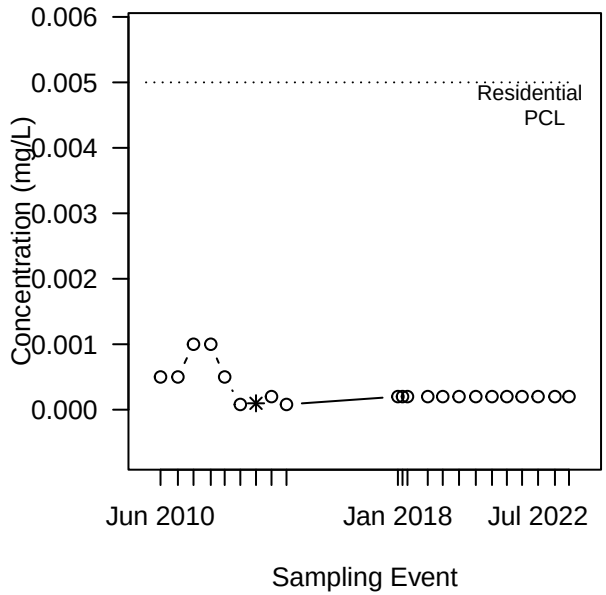
2−Methylnaphthalene (Det/N = 0/21)
Not evaluated − All NDs



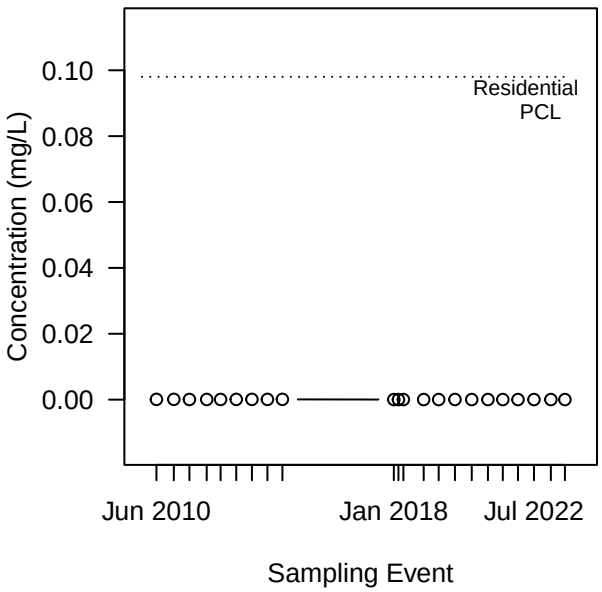
2,4−Dimethylphenol (Det/N = 2/21)
No Trend
(p−value=0.36 and CV=4.5)



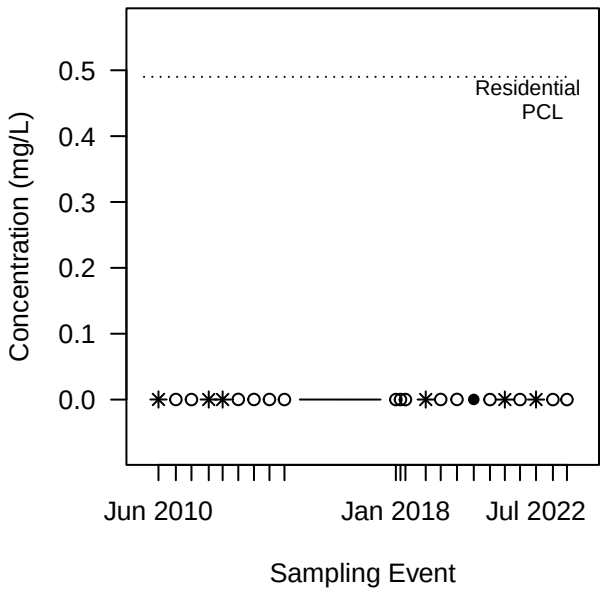
Benzene (Det/N = 1/22)
Stable
(p−value=0.264 and CV=0.86)



Dibenzofuran (Det/N = 0/22)
Not evaluated − All NDs



Naphthalene (Det/N = 7/22)
Stable
(p−value=0.28 and CV=0.83)

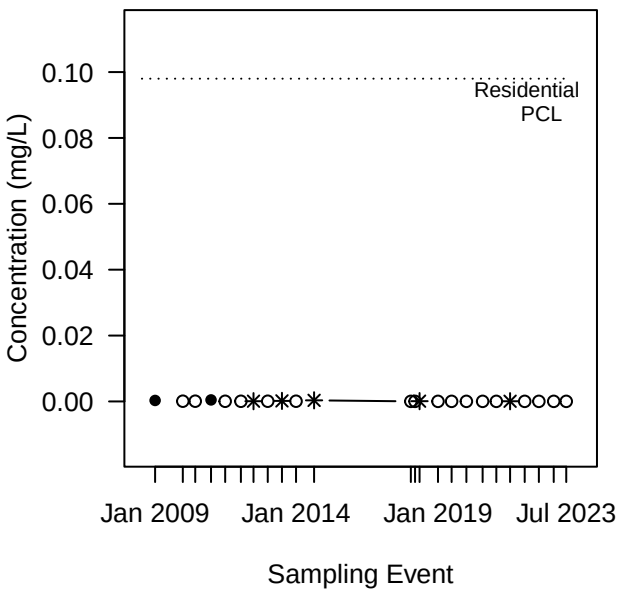


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

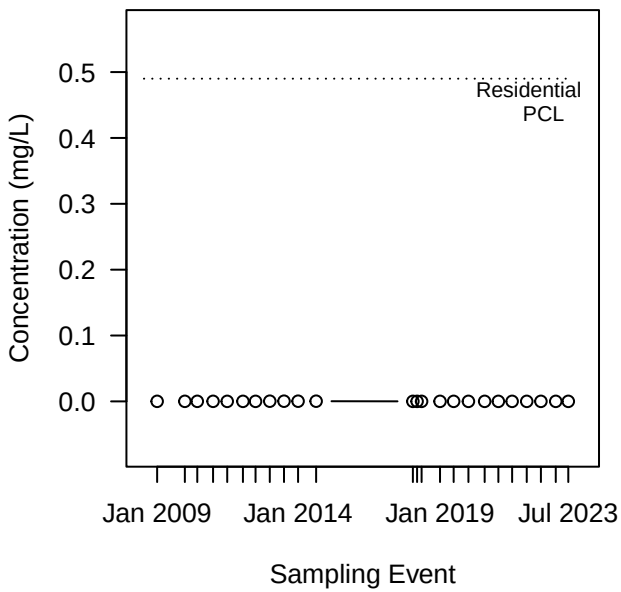
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−59D

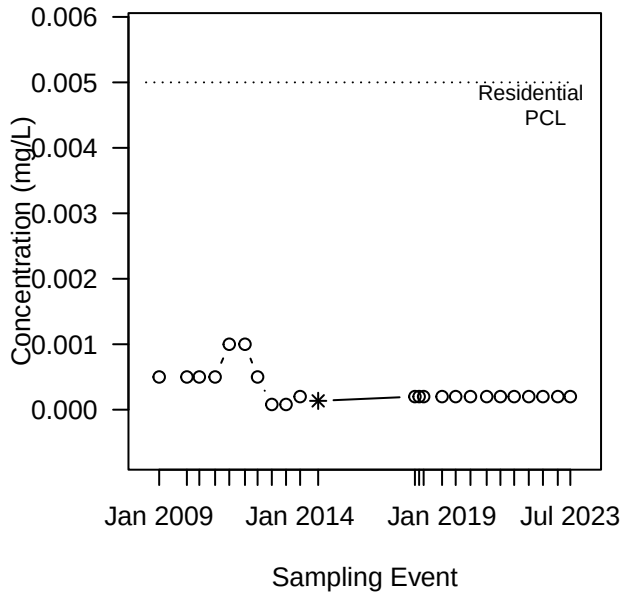
2−Methylnaphthalene (Det/N = 7/24)
Probably Decreasing
(p−value=0.0565 and CV=1.4)



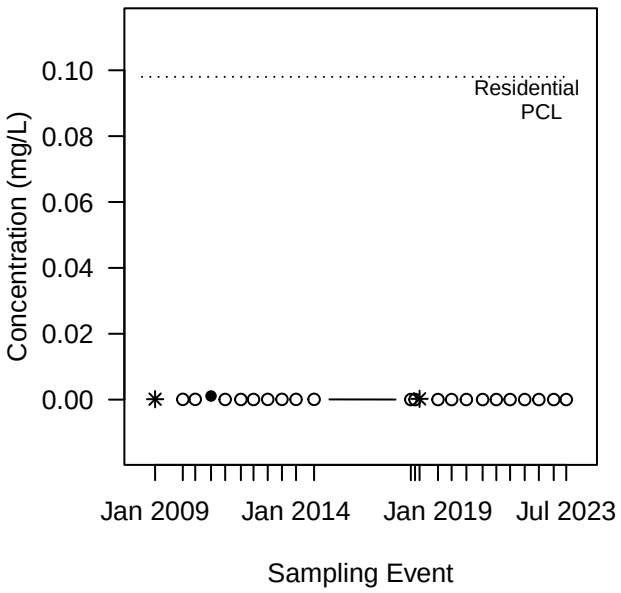
2,4−Dimethylphenol (Det/N = 0/24)
Not evaluated − All NDs



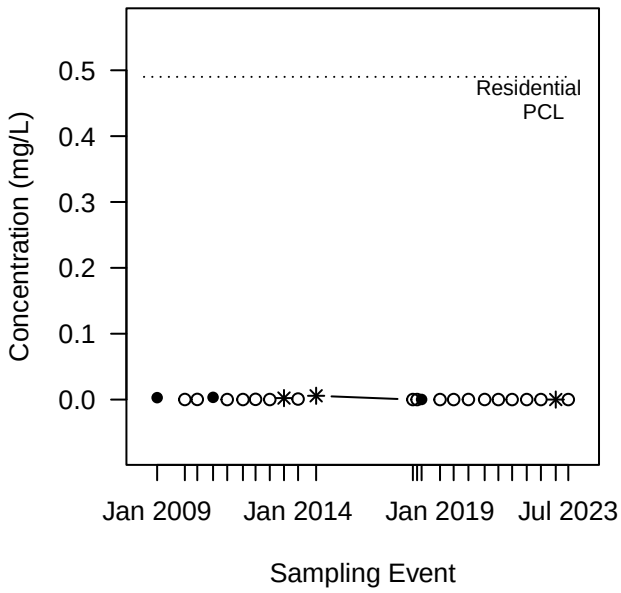
Benzene (Det/N = 1/24)
Stable
(p−value=0.443 and CV=0.79)



Dibenzofuran (Det/N = 3/24)
Probably Decreasing
(p−value=0.064 and CV=2.2)



Naphthalene (Det/N = 6/24)
No Trend
(p−value=0.147 and CV=2.1)

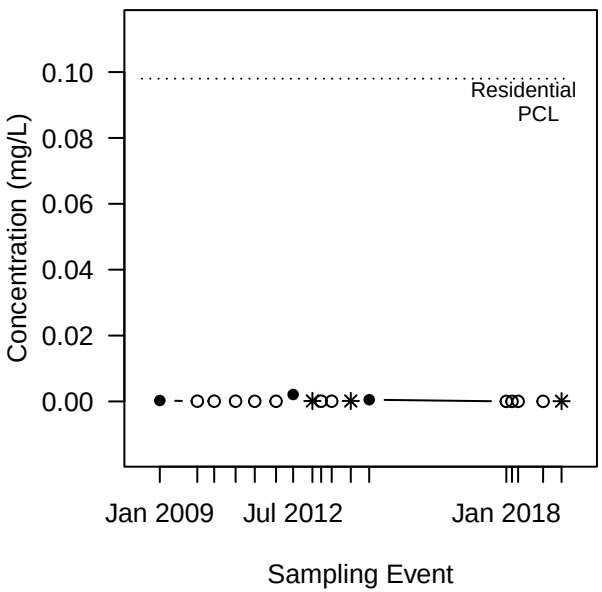


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

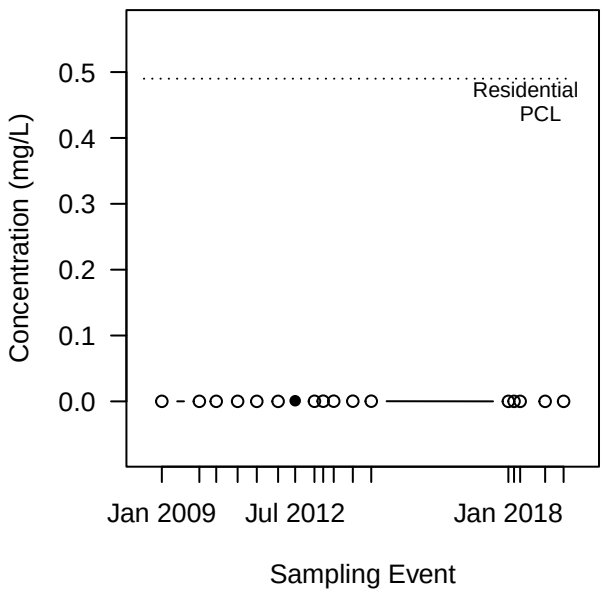
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−60A

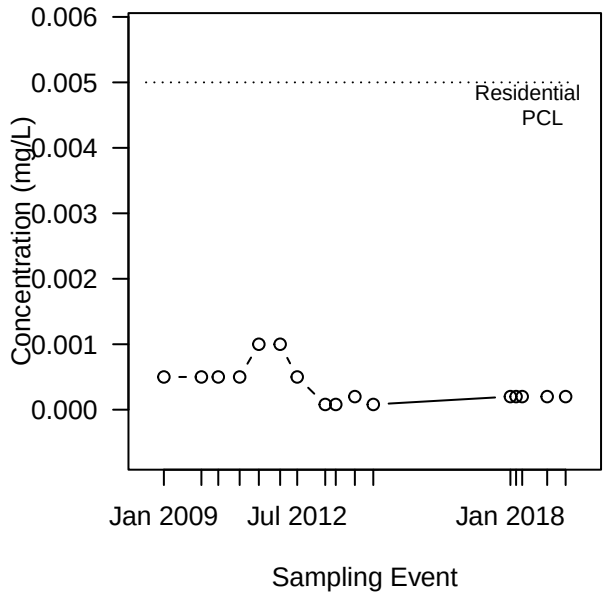
2−Methylnaphthalene (Det/N = 6/17)
No Trend
(p−value=0.461 and CV=2.2)



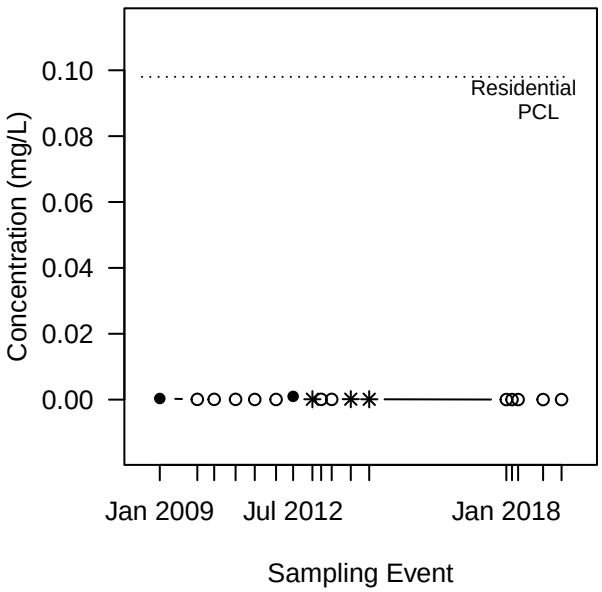
2,4−Dimethylphenol (Det/N = 1/17)
No Trend
(p−value=0.38 and CV=1.4)



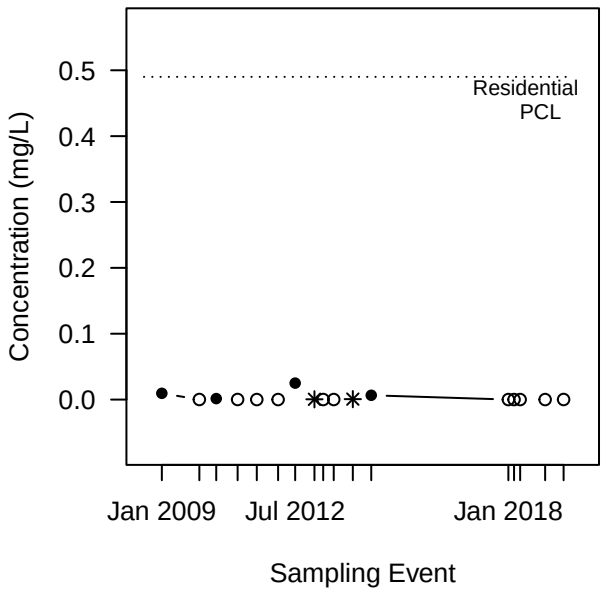
Benzene (Det/N = 0/16)
Not evaluated − All NDs



Dibenzofuran (Det/N = 5/17)
No Trend
(p−value=0.191 and CV=1.7)



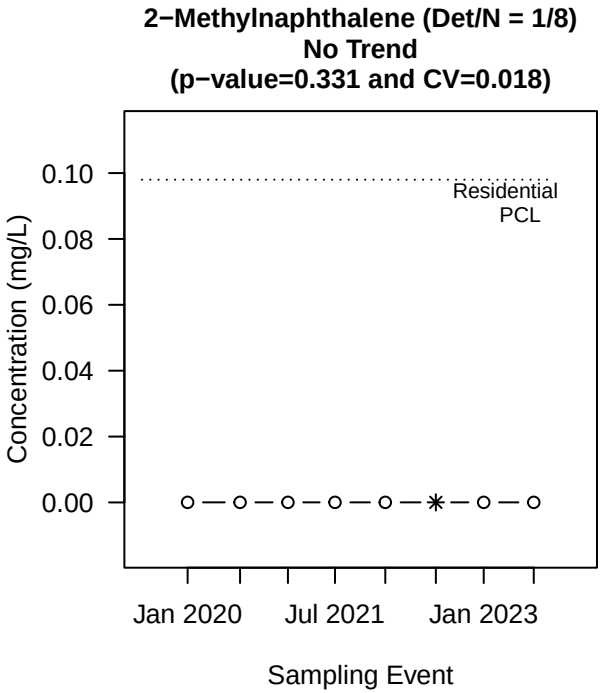
Naphthalene (Det/N = 6/17)
No Trend
(p−value=0.103 and CV=2.4)

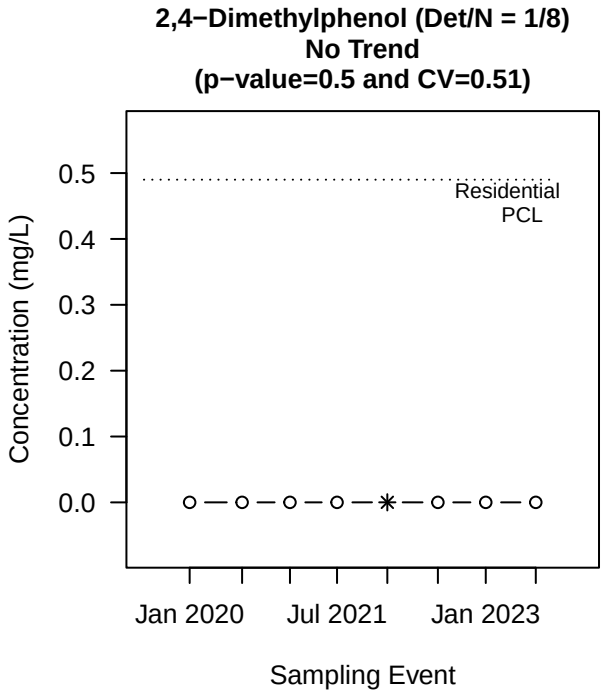


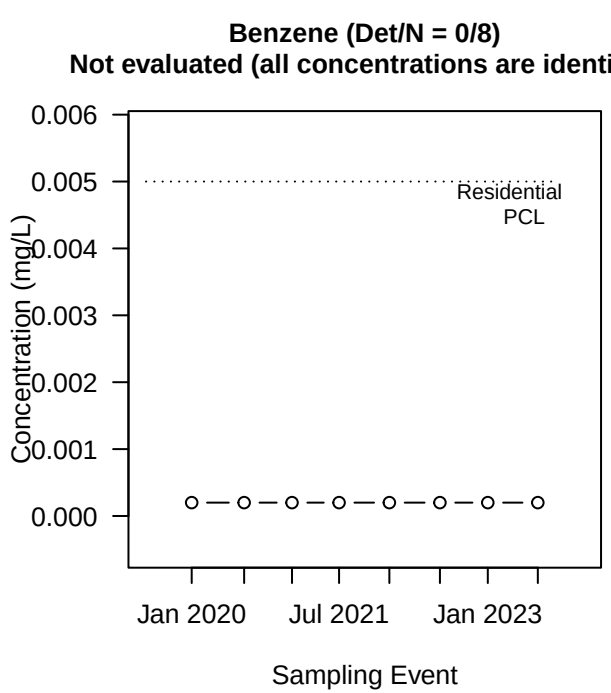
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

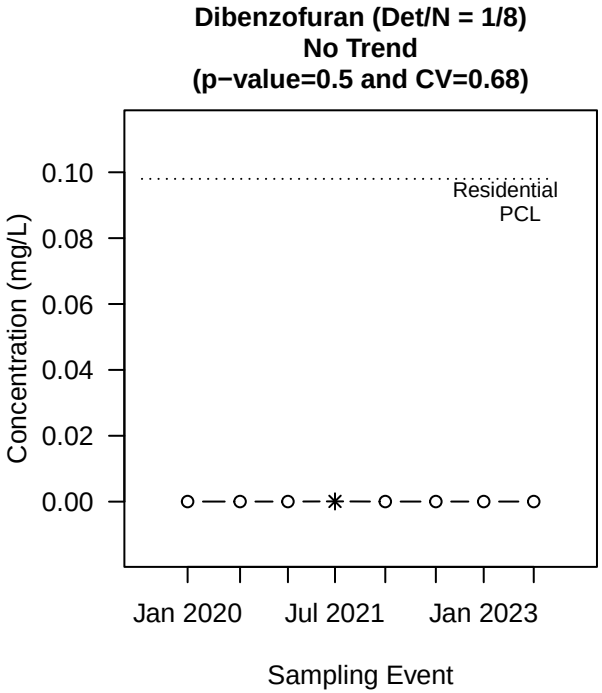
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

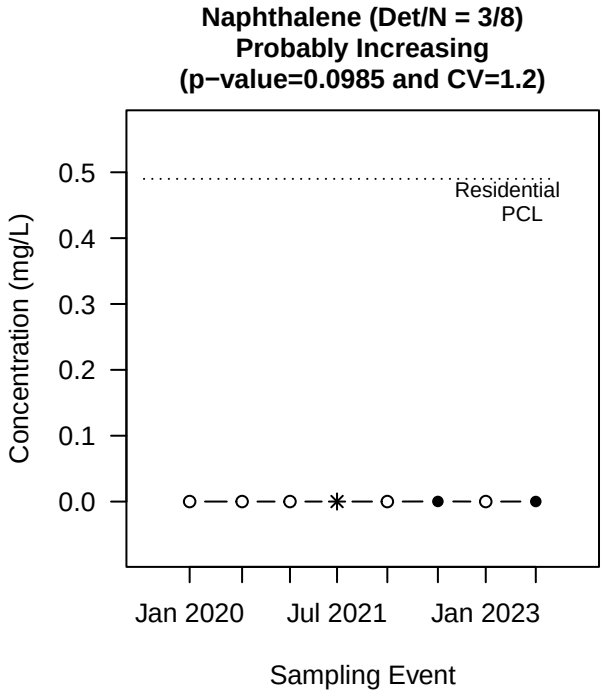
Mann−Kendall Trend Tests for MW−60AR

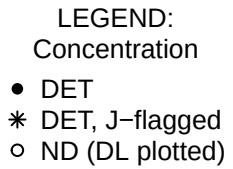






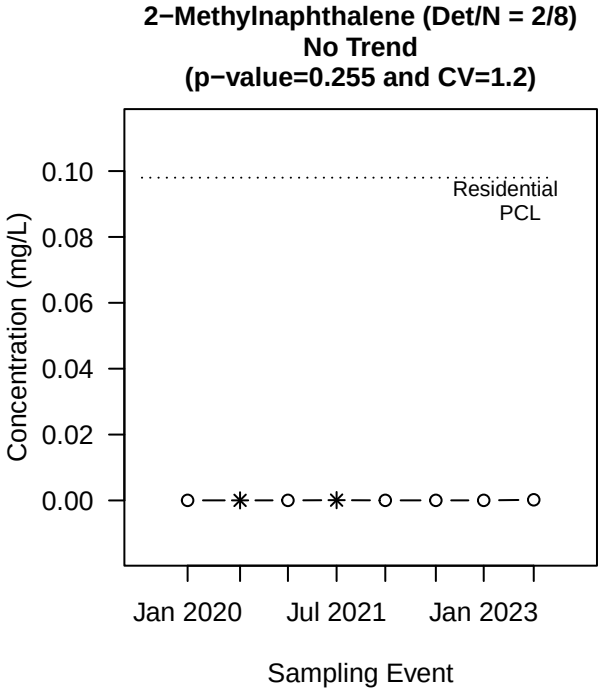


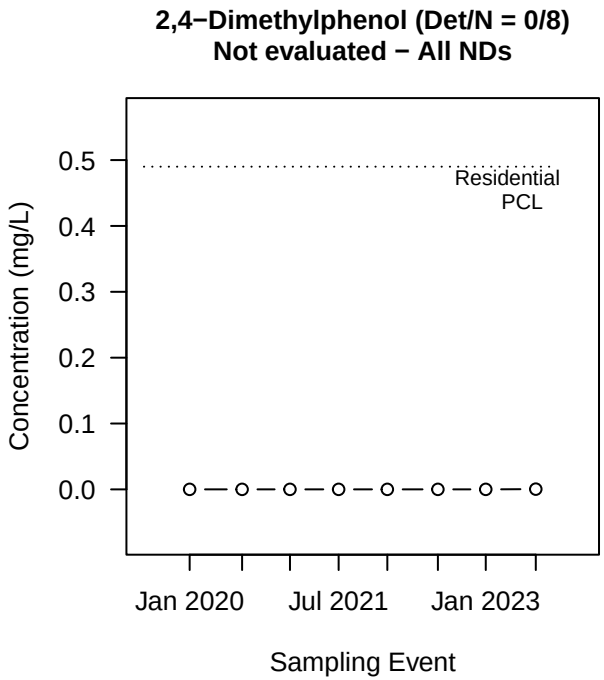


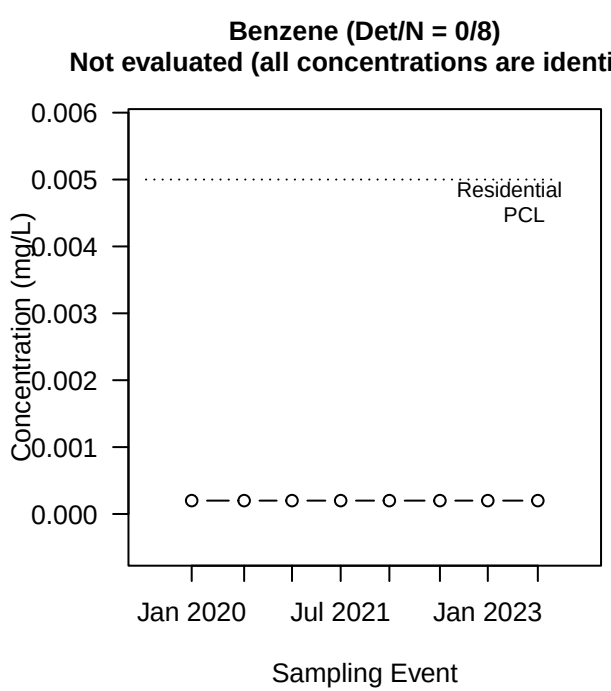


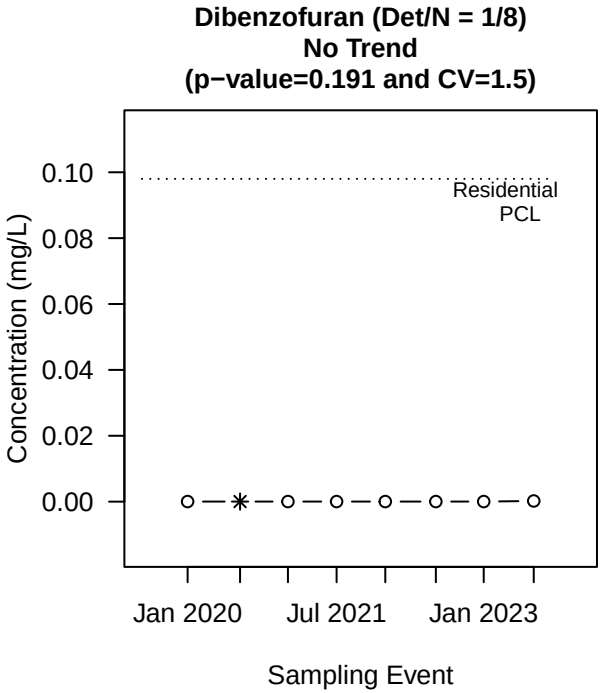
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

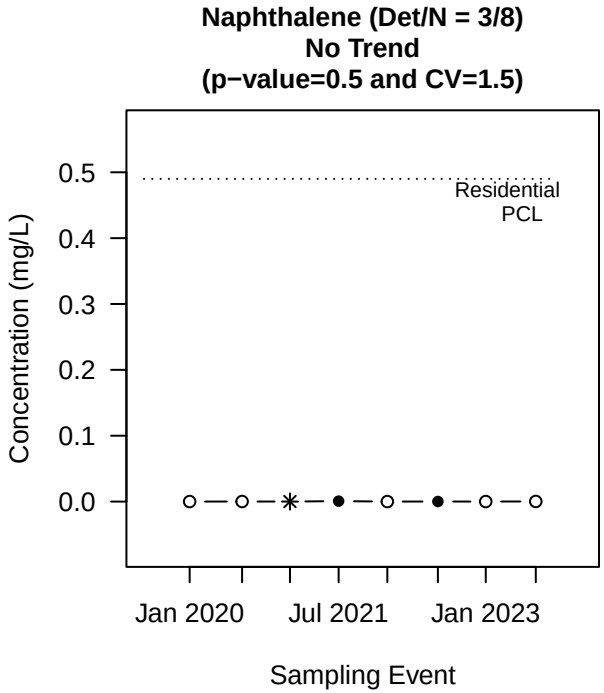
Mann−Kendall Trend Tests for MW−60B







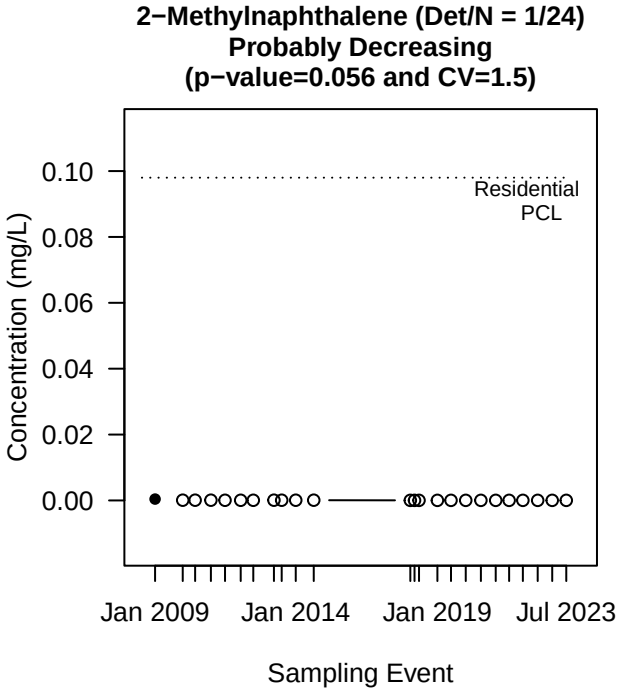


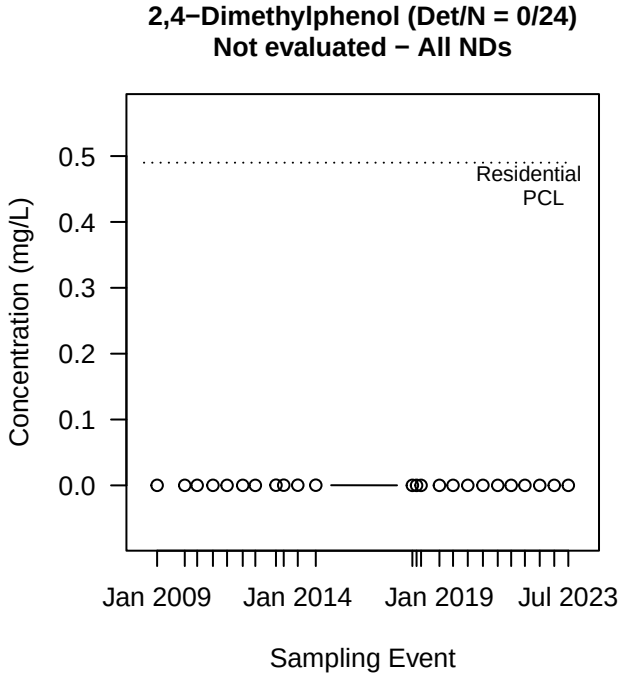


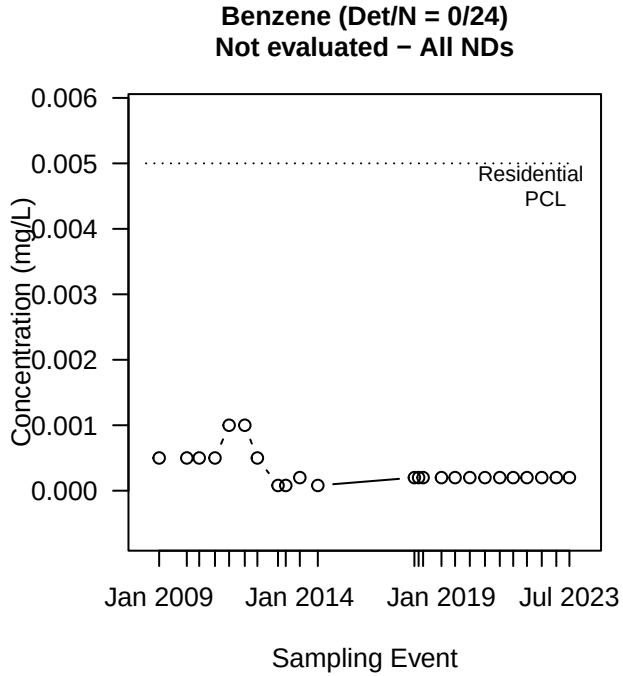
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

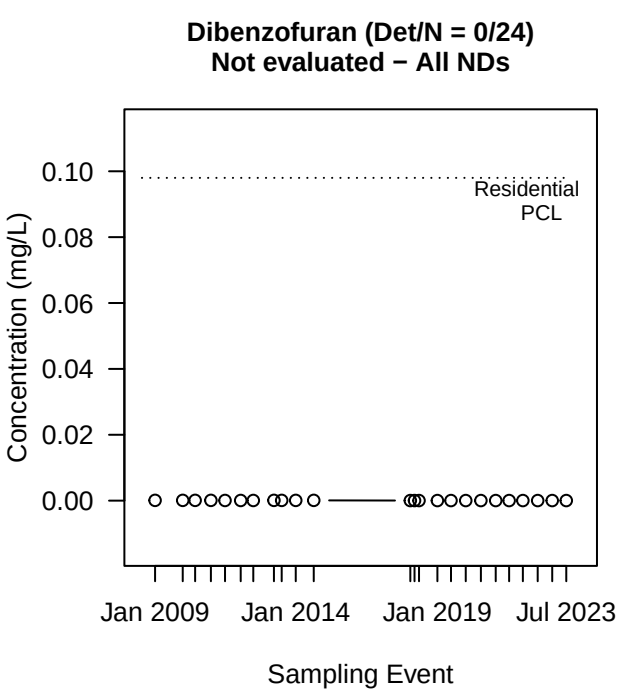
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

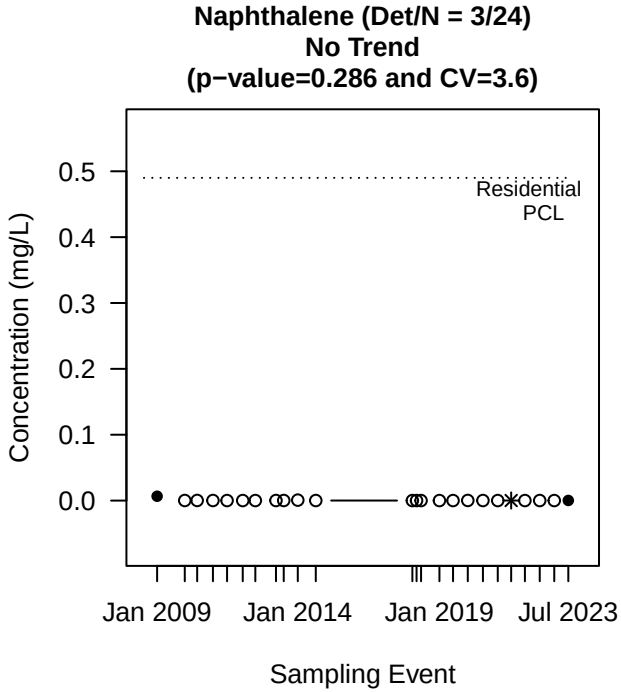
Mann−Kendall Trend Tests for MW−61A









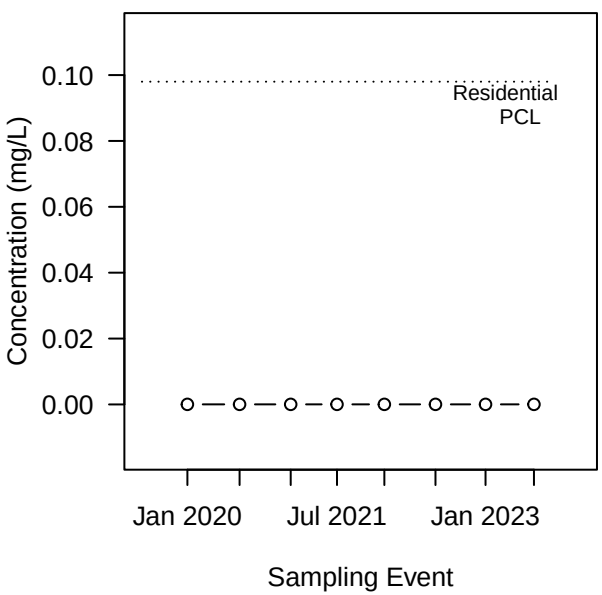


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

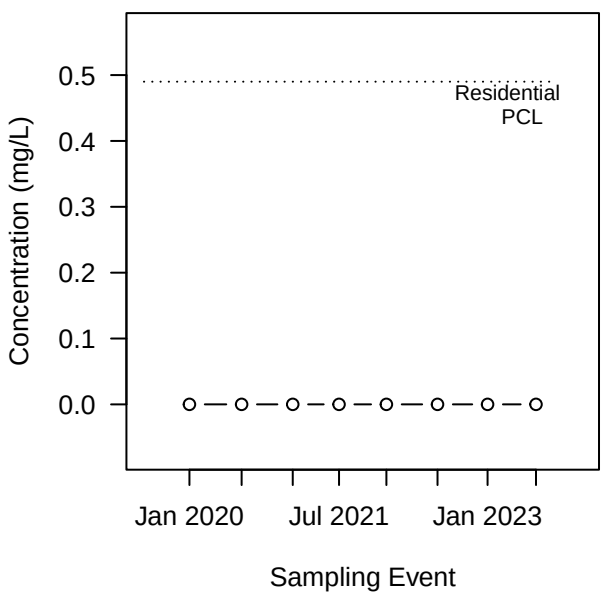
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−61B

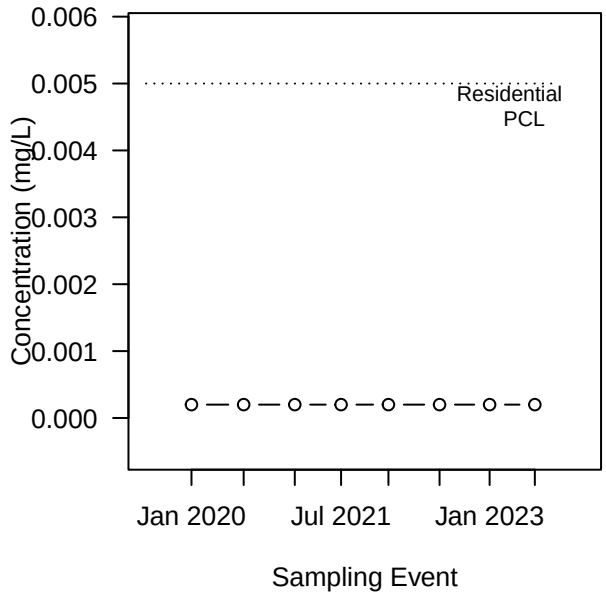
2−Methylnaphthalene (Det/N = 0/8)
Not evaluated (all concentrations are identical)



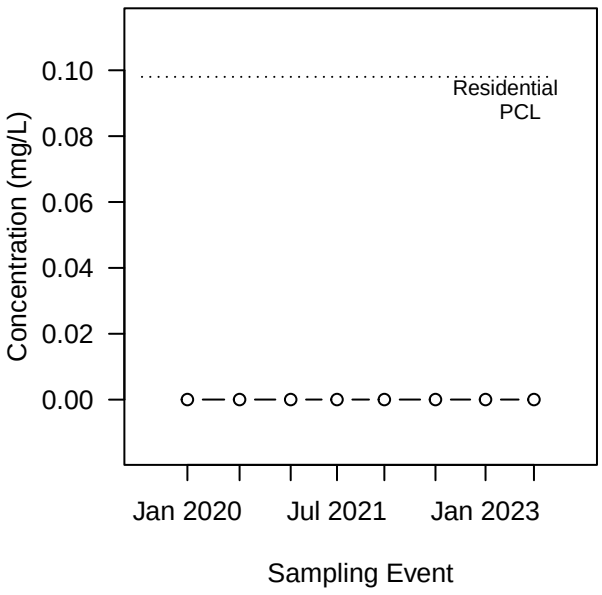
2,4−Dimethylphenol (Det/N = 0/8)
Not evaluated (all concentrations are identical)



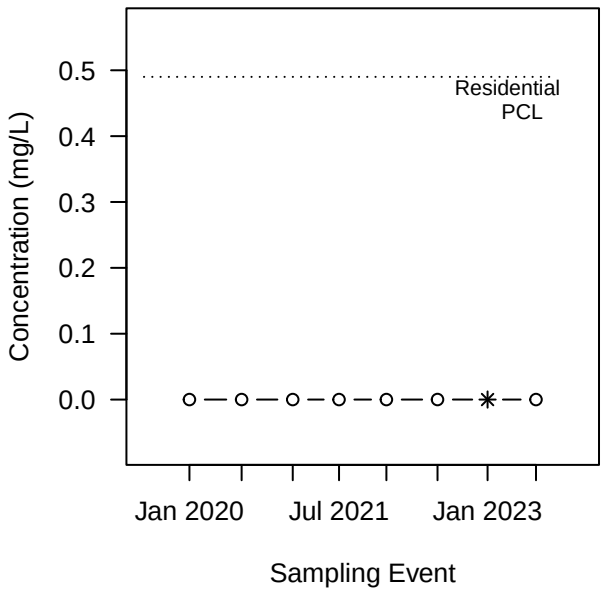
Benzene (Det/N = 0/8)
Not evaluated (all concentrations are identical)

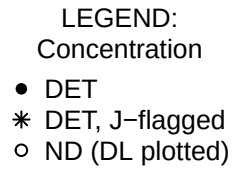


Dibenzofuran (Det/N = 0/8)
Not evaluated (all concentrations are identical)



Naphthalene (Det/N = 1/8)
No Trend
(p−value=0.191 and CV=0.57)

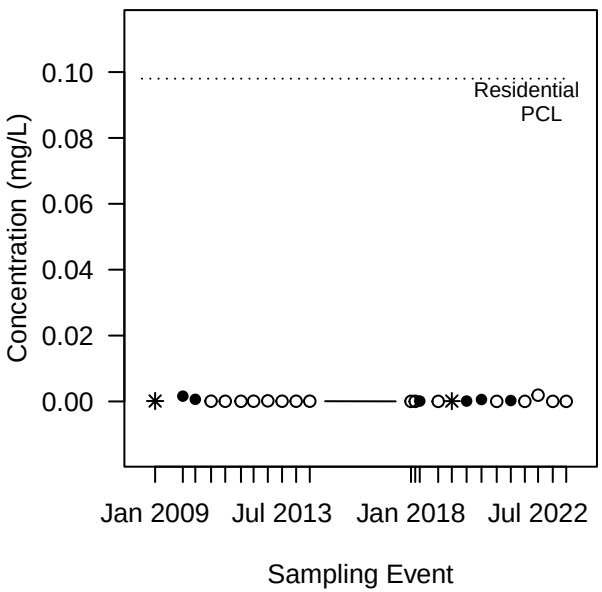




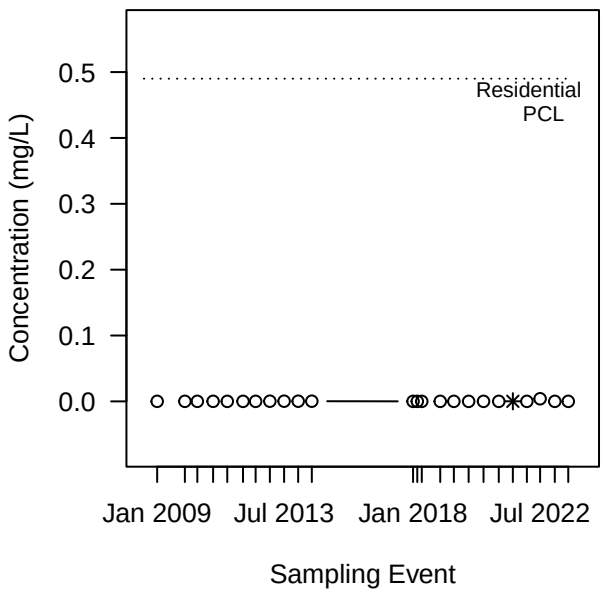
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−62B

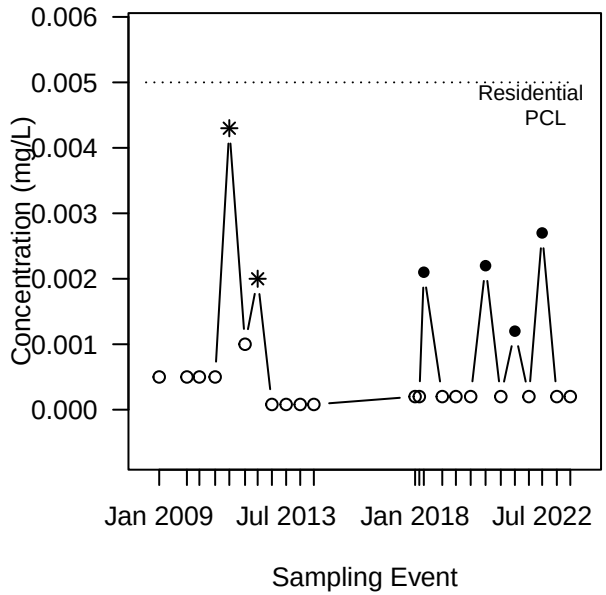
2−Methylnaphthalene (Det/N = 8/24)
No Trend
(p−value=0.257 and CV=1.9)



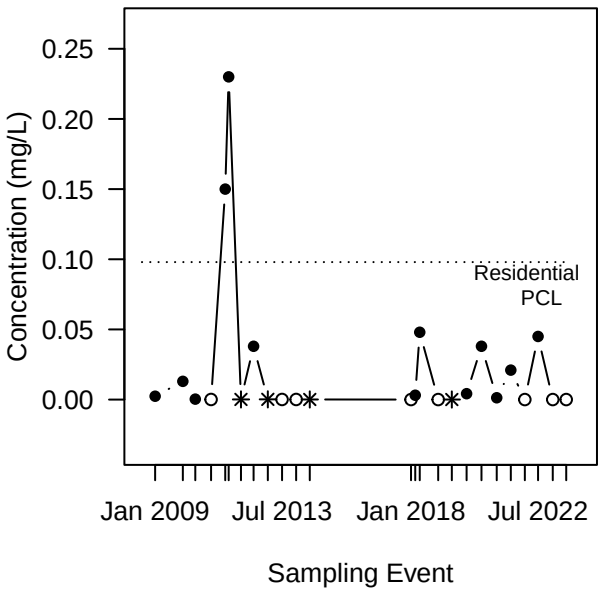
2,4−Dimethylphenol (Det/N = 1/24)
No Trend
(p−value=0.156 and CV=3.1)



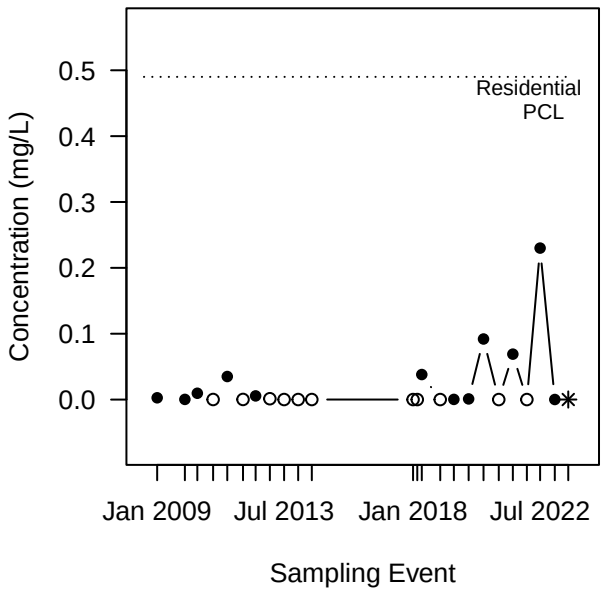
Benzene (Det/N = 6/24)
No Trend
(p−value=0.256 and CV=1.3)



Dibenzofuran (Det/N = 17/25)
No Trend
(p−value=0.196 and CV=2.3)



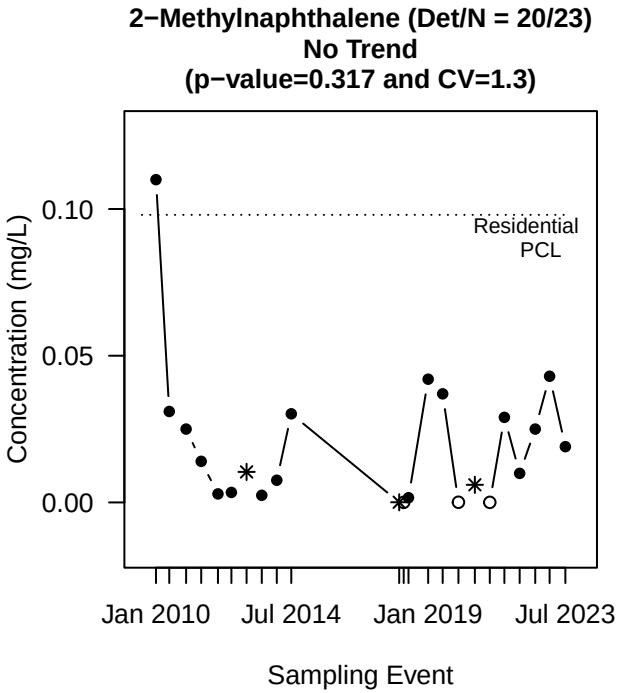
Naphthalene (Det/N = 13/24)
No Trend
(p−value=0.3 and CV=2.5)

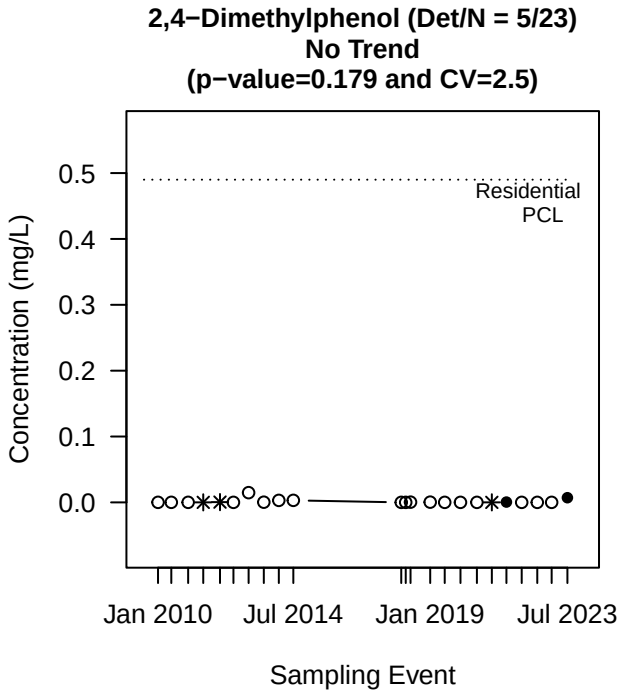


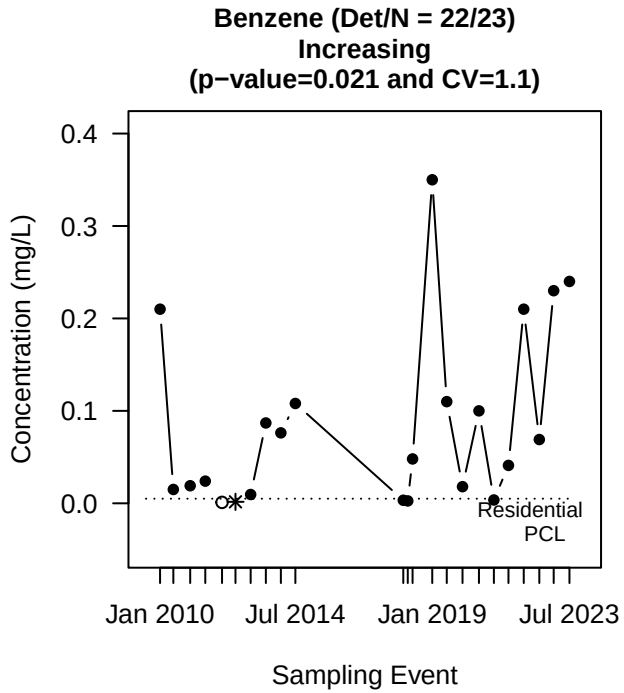
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

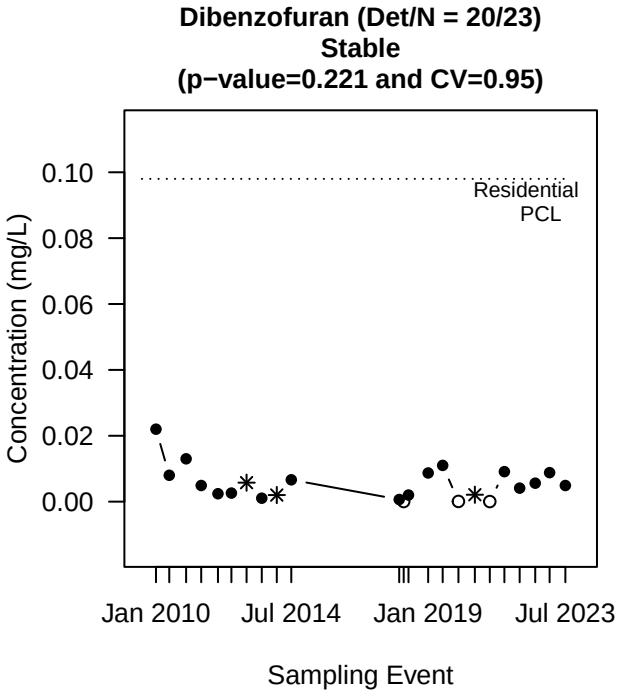
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

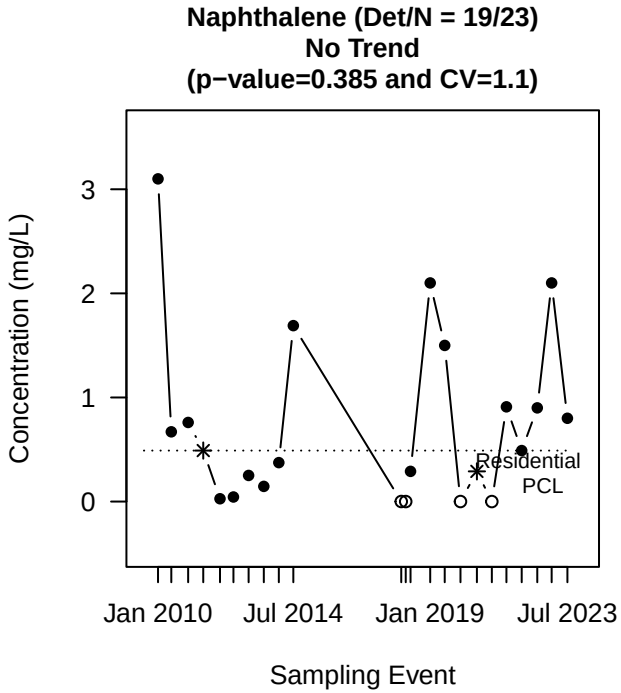
Mann−Kendall Trend Tests for MW−63B

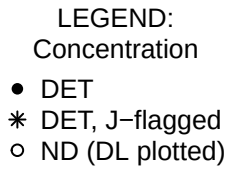






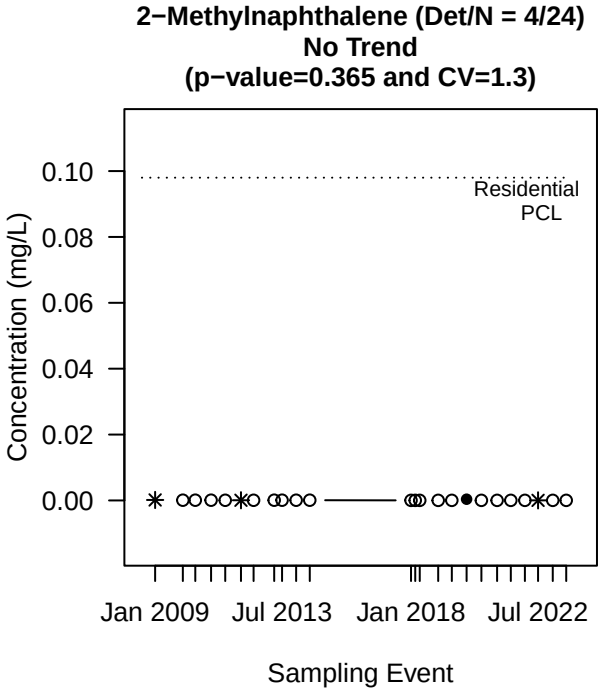


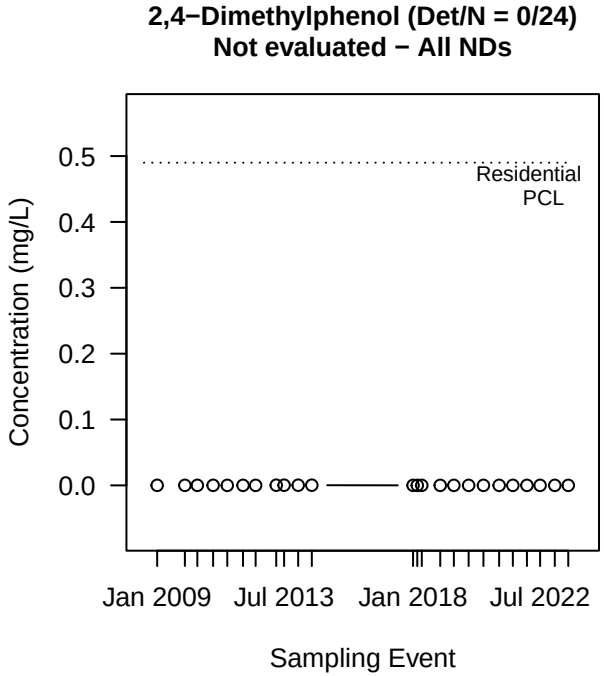


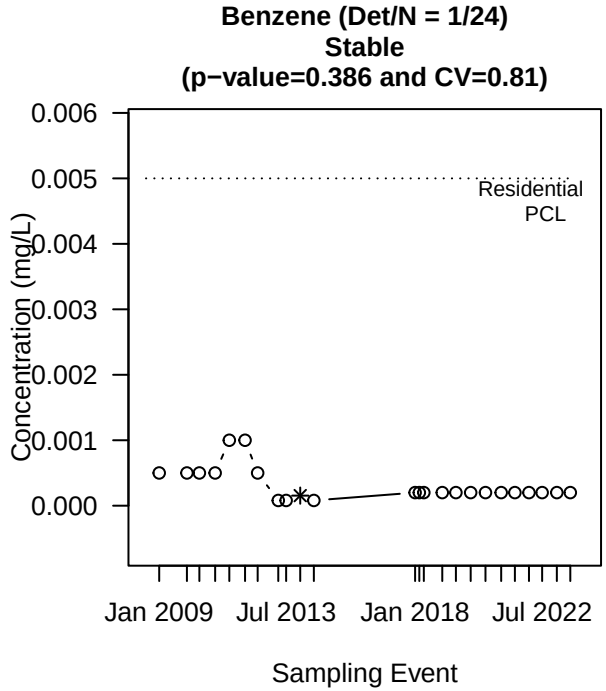


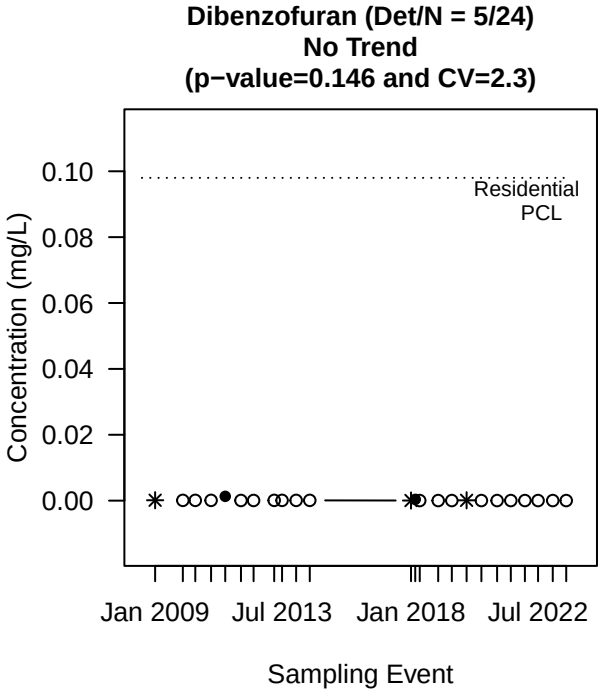
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

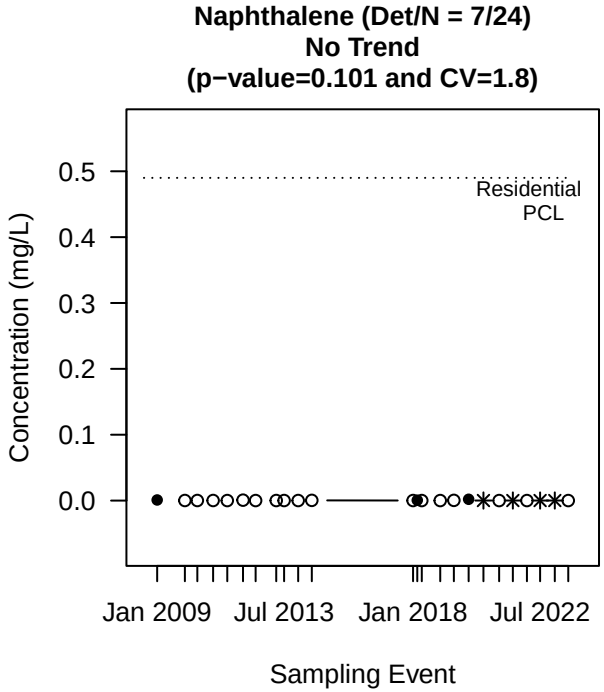
Mann−Kendall Trend Tests for MW−64A

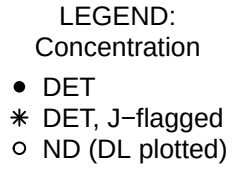






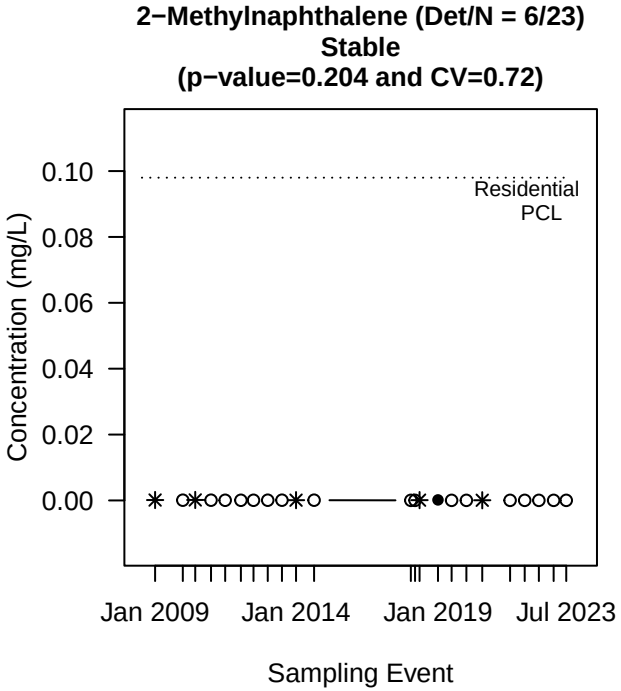


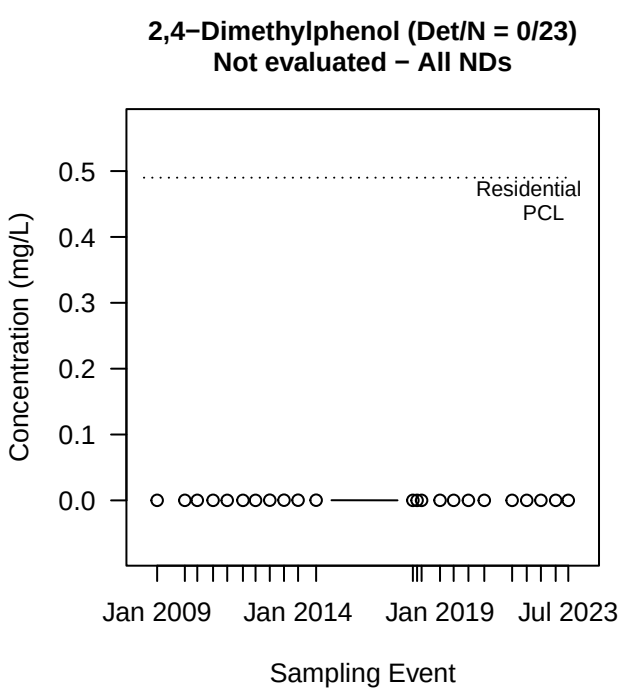


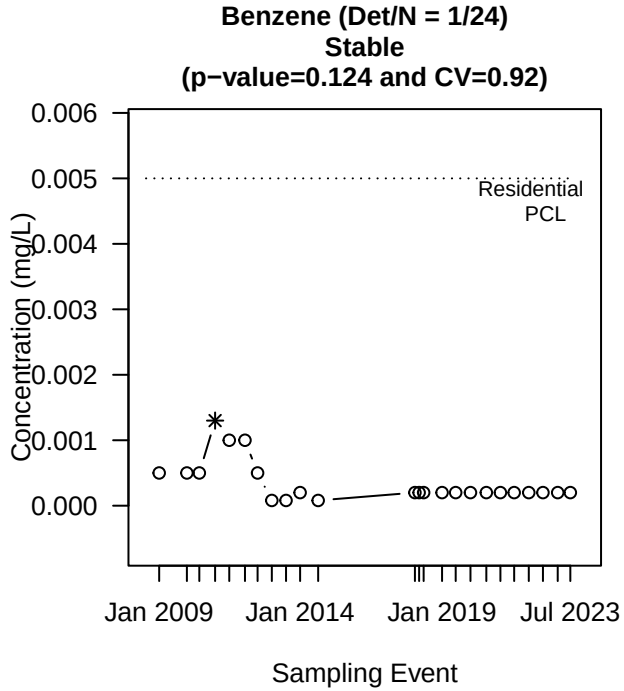


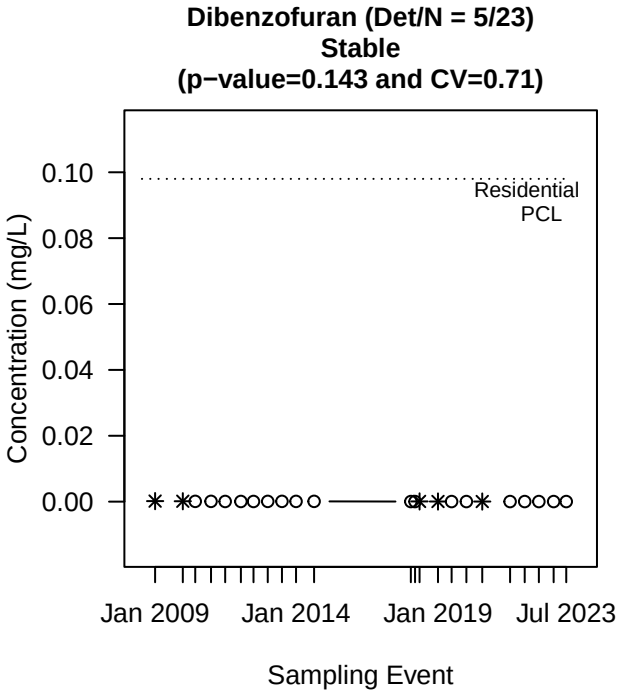
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

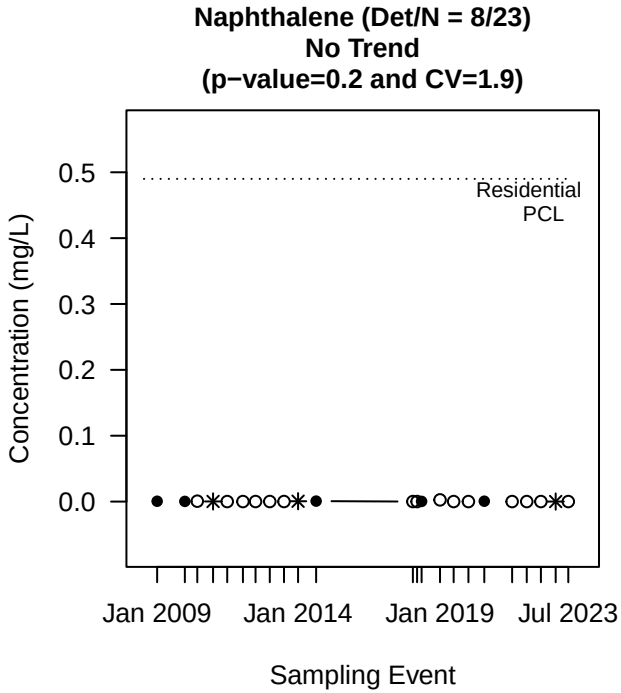
Mann−Kendall Trend Tests for MW−65D









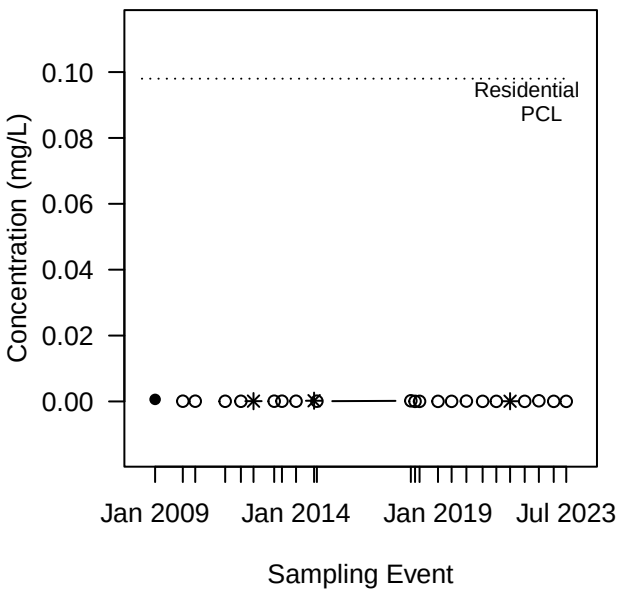


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

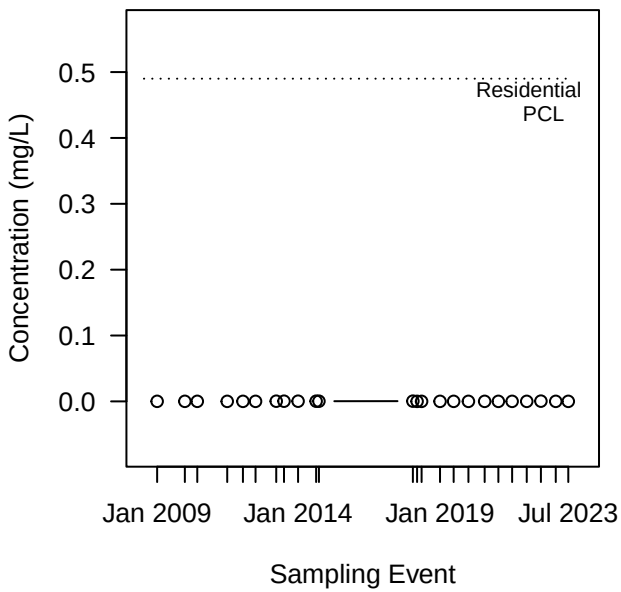
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−66D

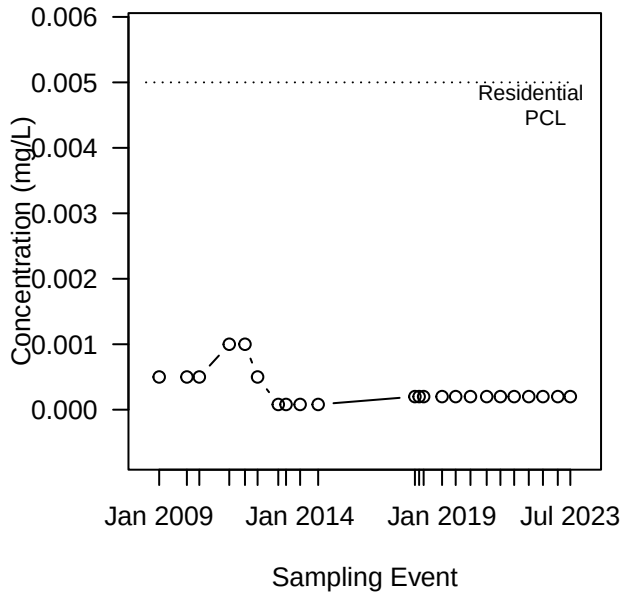
2−Methylnaphthalene (Det/N = 4/24)
No Trend
(p−value=0.132 and CV=1.4)



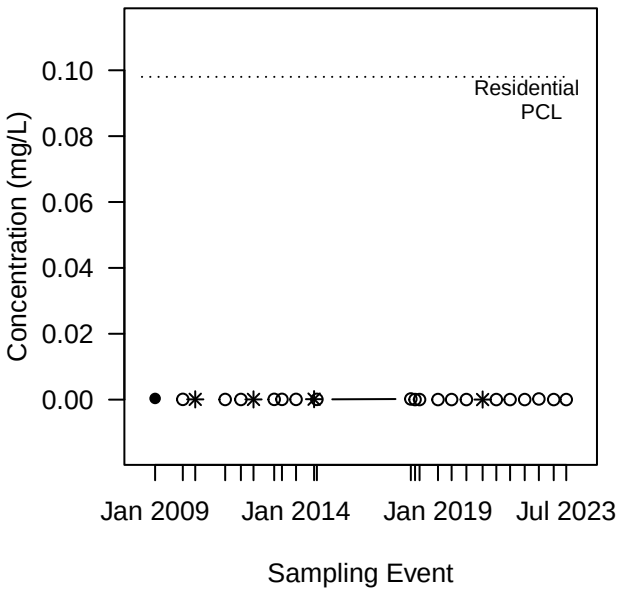
2,4−Dimethylphenol (Det/N = 0/24)
Not evaluated − All NDs



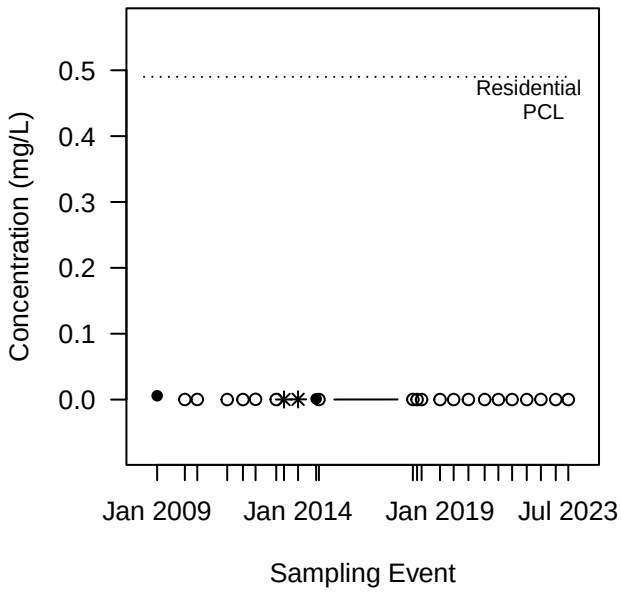
Benzene (Det/N = 0/23)
Not evaluated − All NDs



Dibenzofuran (Det/N = 5/24)
Decreasing
(p−value=0.0288 and CV=1.1)



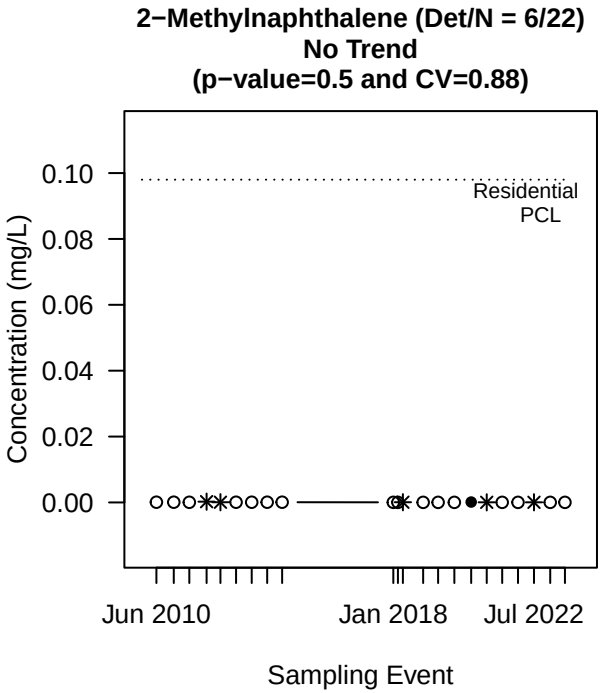
Naphthalene (Det/N = 4/24)
Decreasing
(p−value=0.049 and CV=3.1)

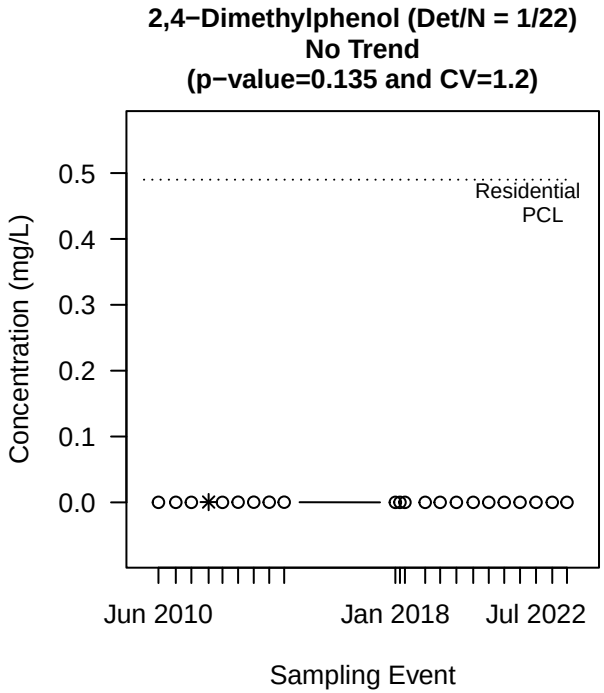


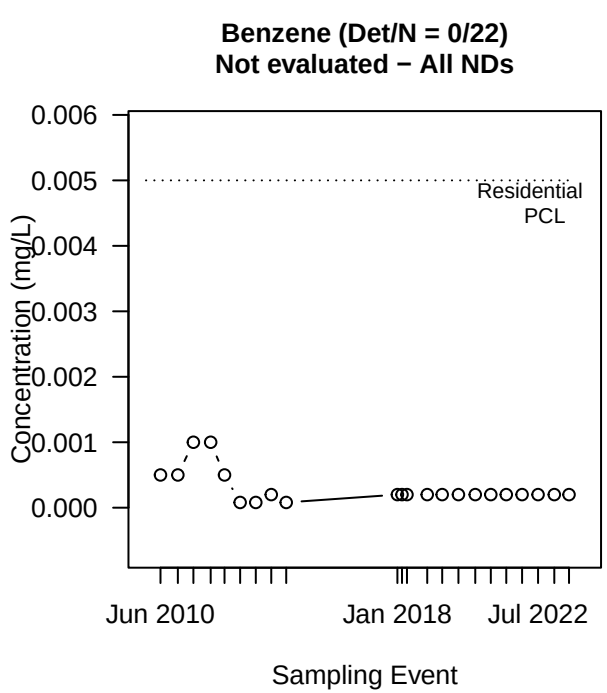
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

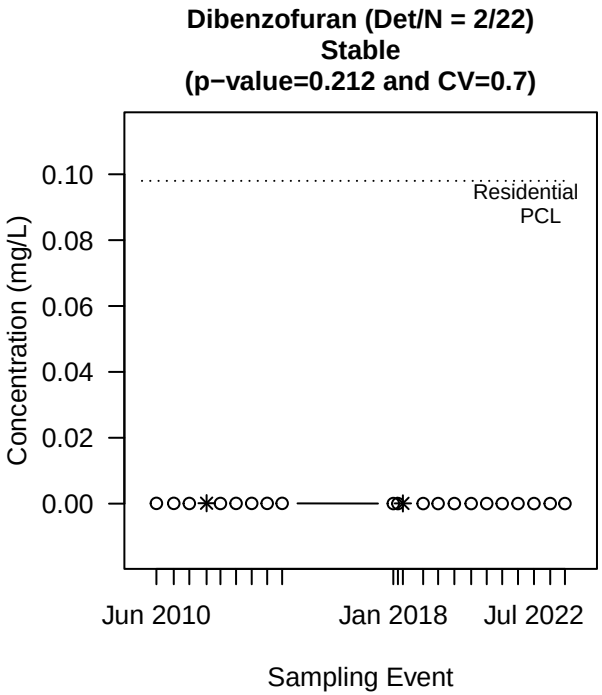
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

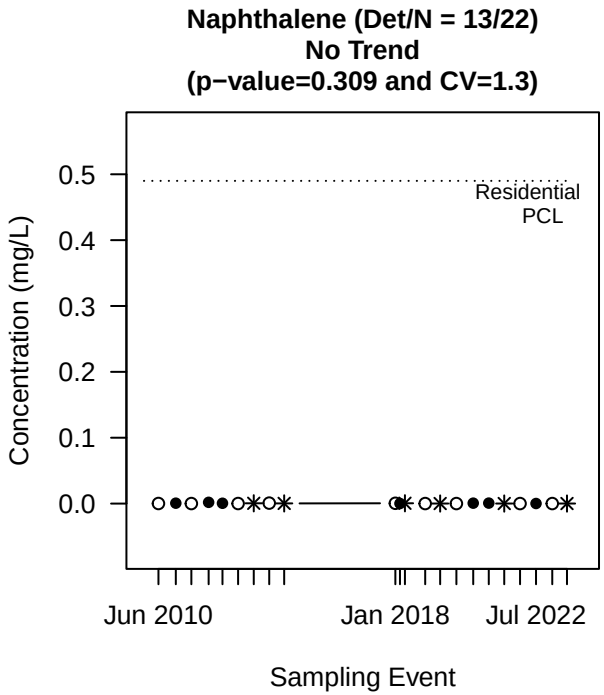
Mann−Kendall Trend Tests for MW−67B

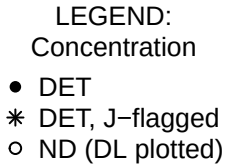








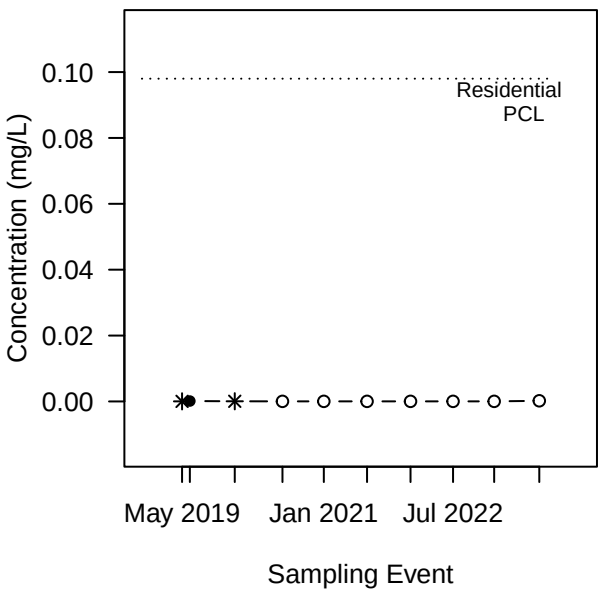




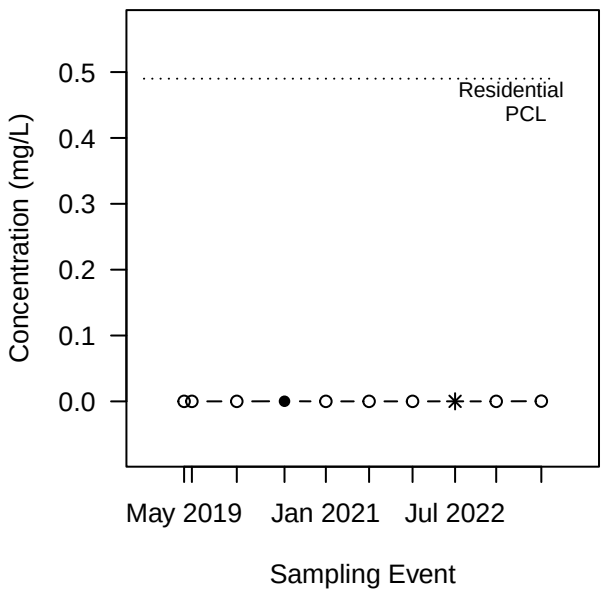
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−68A

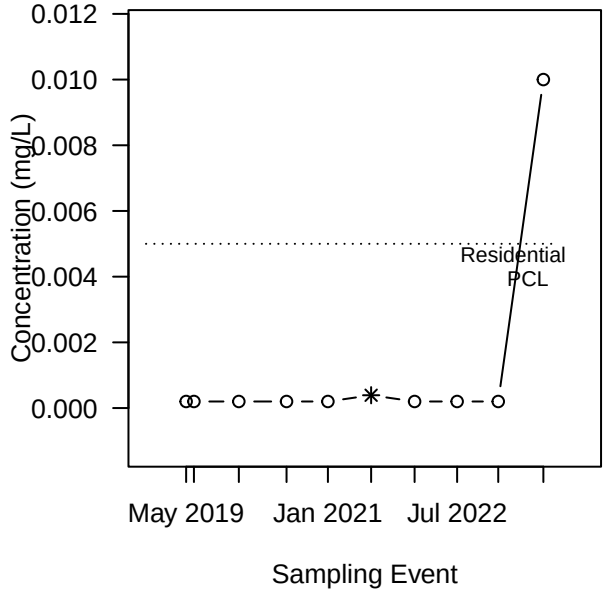
2−Methylnaphthalene (Det/N = 3/10)
Decreasing
(p−value=0.0172 and CV=1.2)



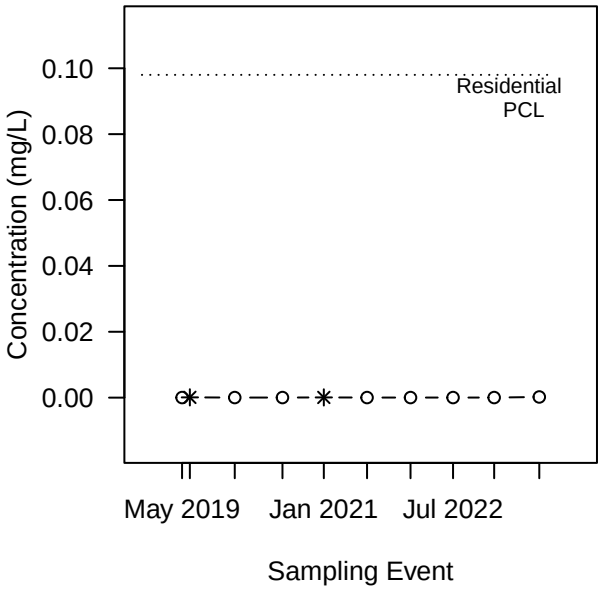
2,4−Dimethylphenol (Det/N = 2/10)
No Trend
(p−value=0.5 and CV=1.2)



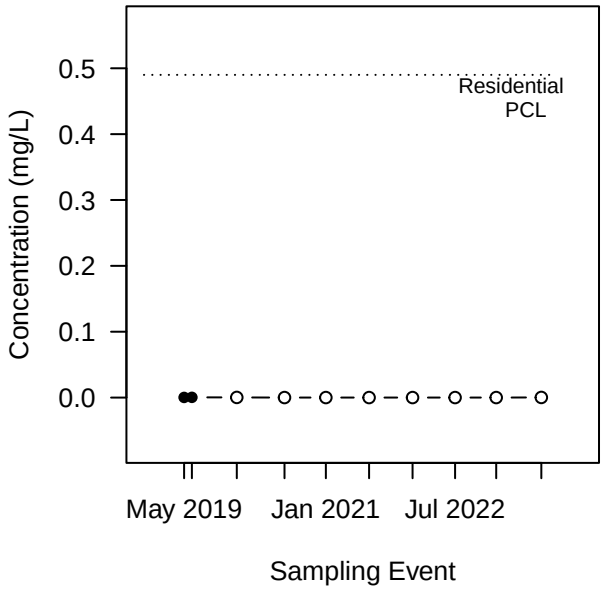
Benzene (Det/N = 1/10)
No Trend
(p−value=0.5 and CV=2.6)

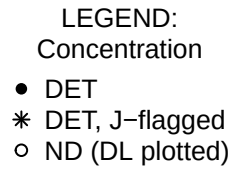


Dibenzofuran (Det/N = 2/10)
No Trend
(p−value=0.15 and CV=1.2)



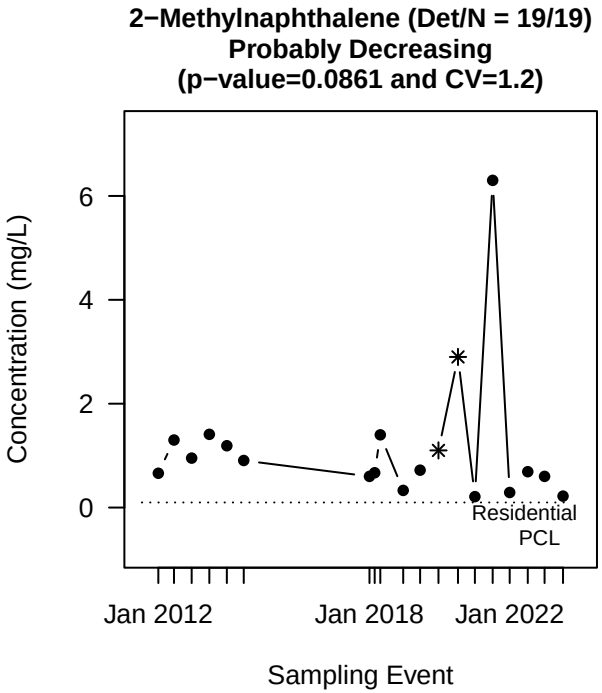
Naphthalene (Det/N = 2/10)
Decreasing
(p−value=0.035 and CV=1.1)

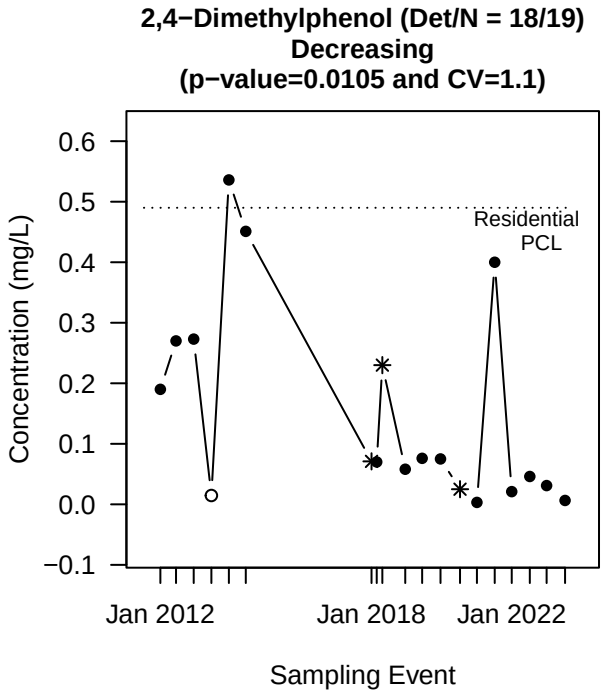


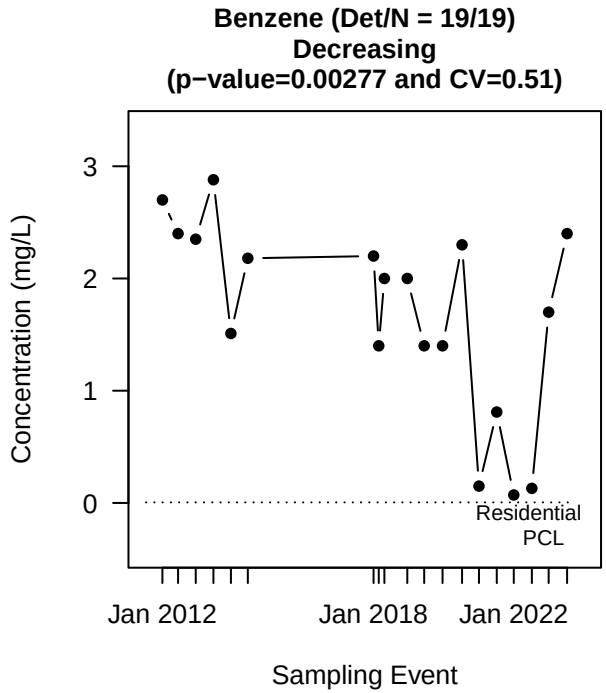


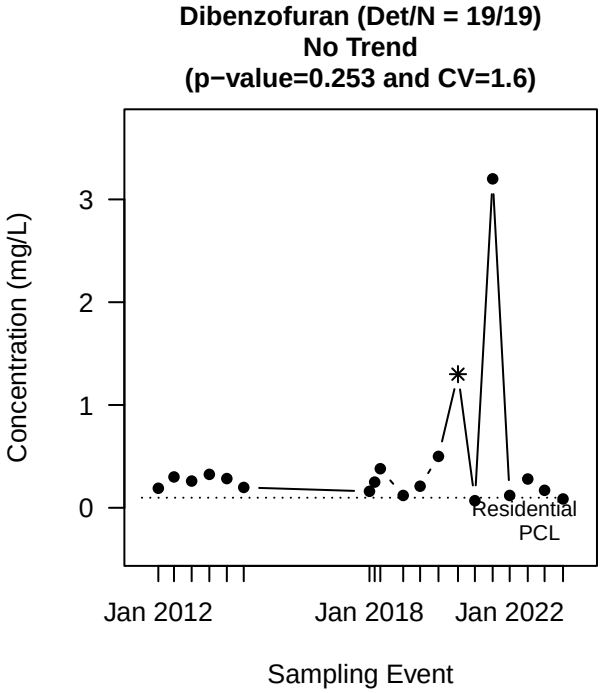
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

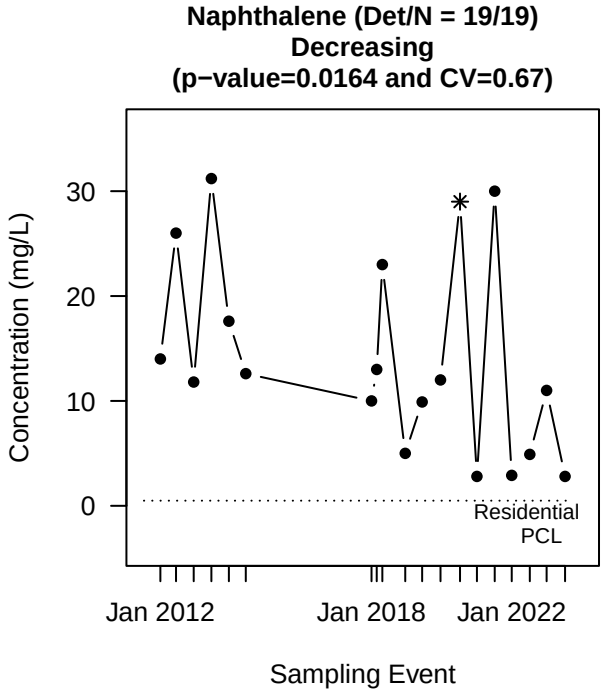
Mann−Kendall Trend Tests for MW−68B

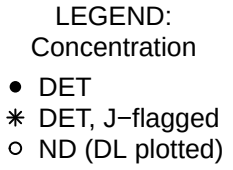






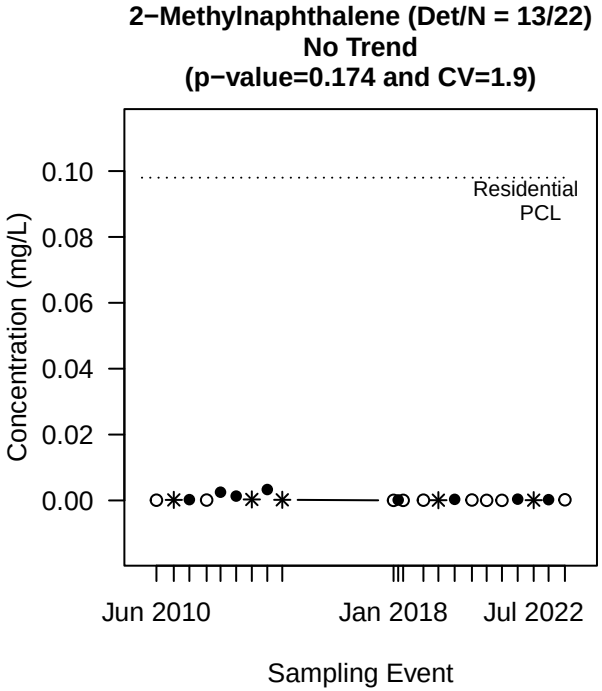


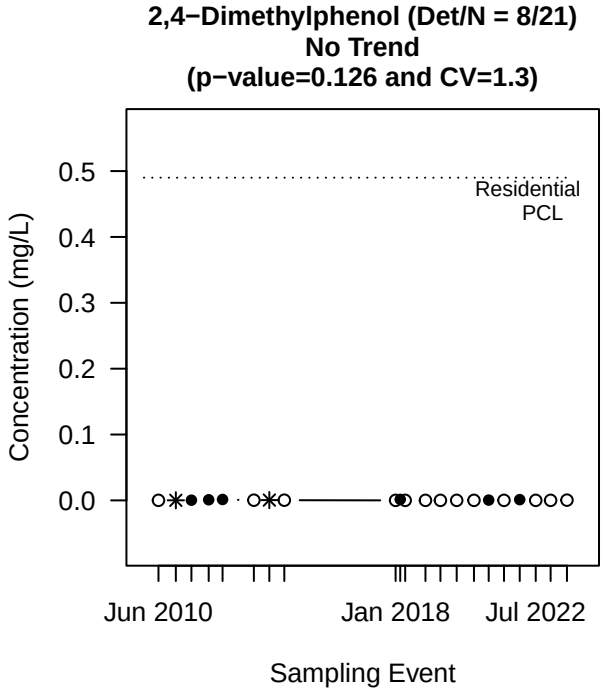


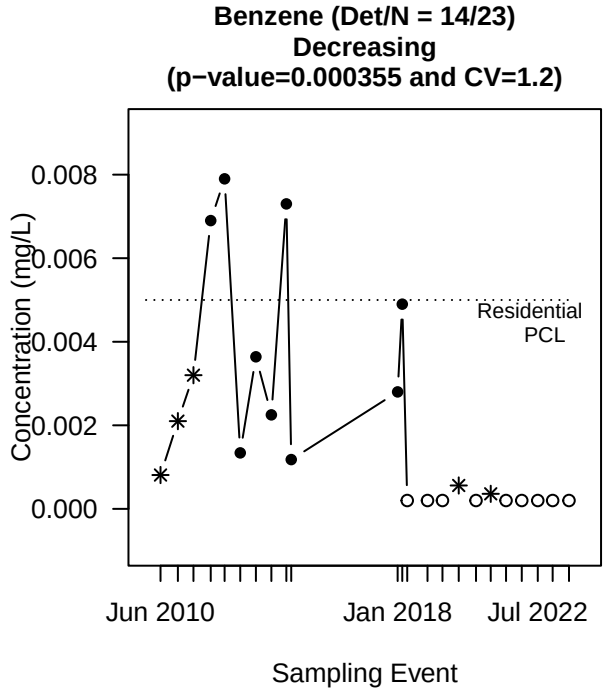


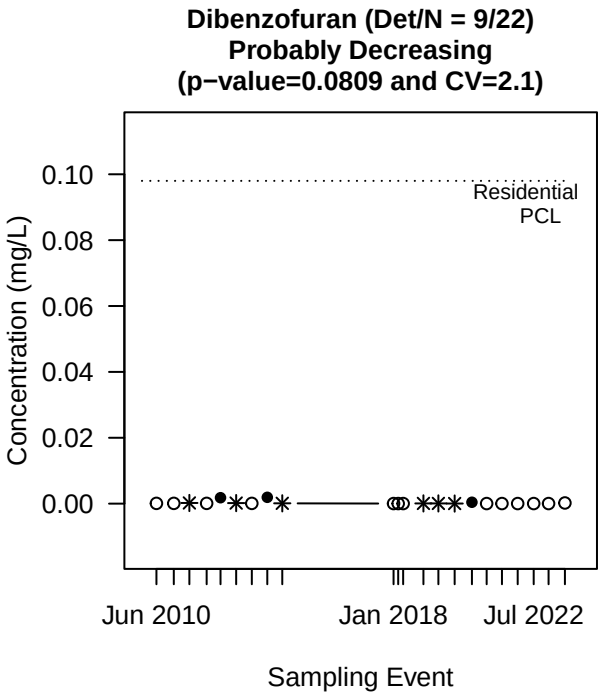
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

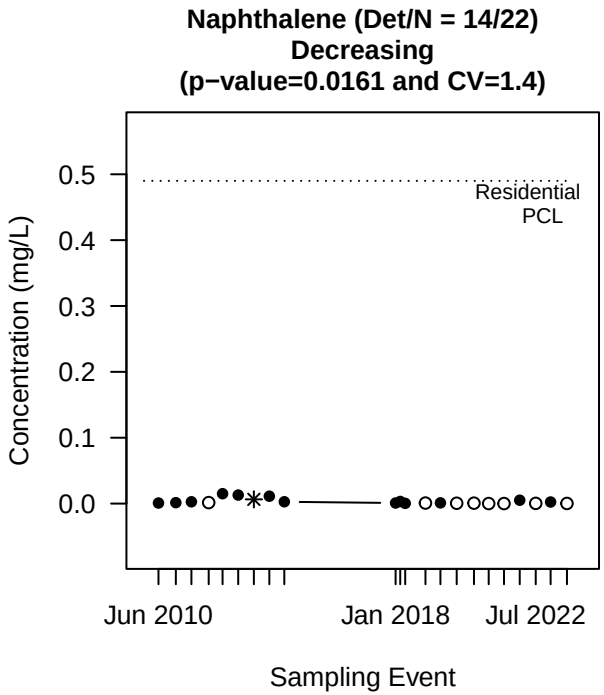
Mann−Kendall Trend Tests for MW−68C

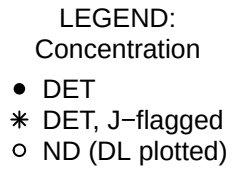








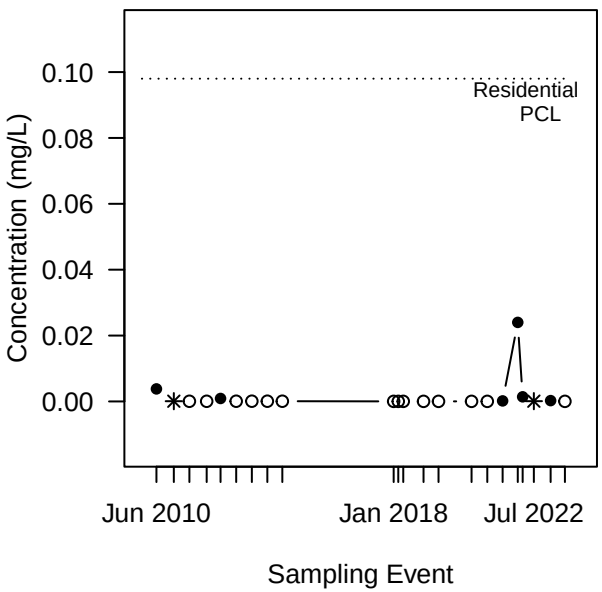




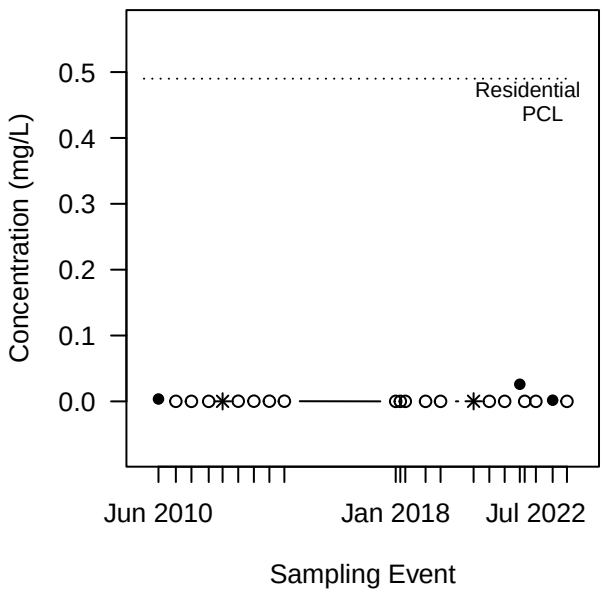
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−69A

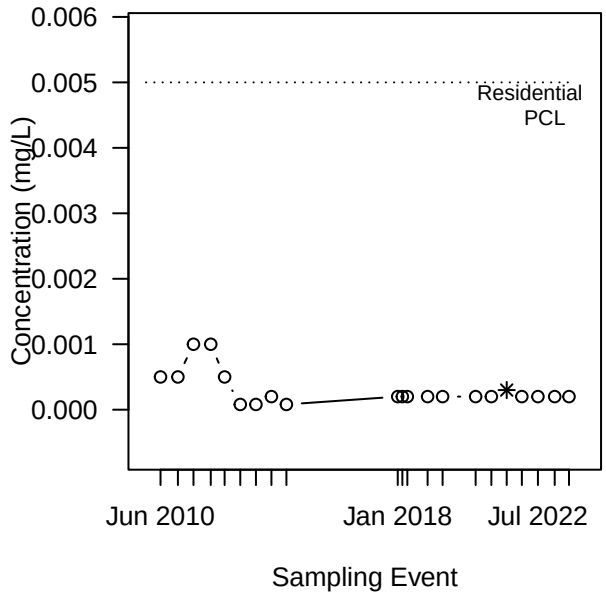
2−Methylnaphthalene (Det/N = 8/22)
No Trend
(p−value=0.266 and CV=3.6)



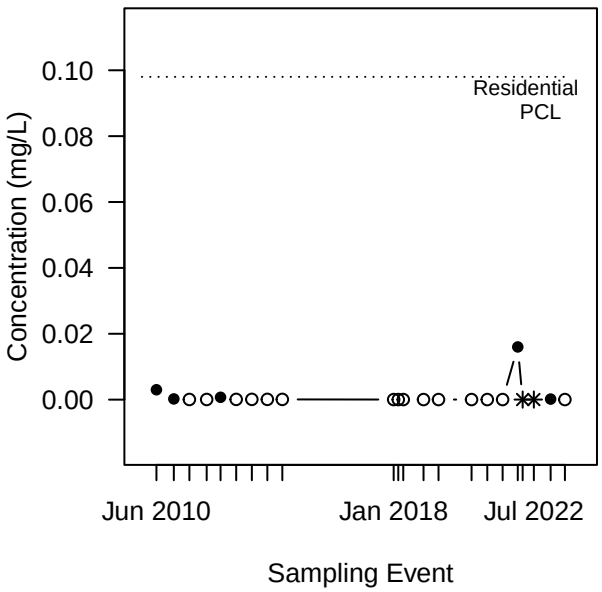
2,4−Dimethylphenol (Det/N = 5/22)
No Trend
(p−value=0.408 and CV=3.6)



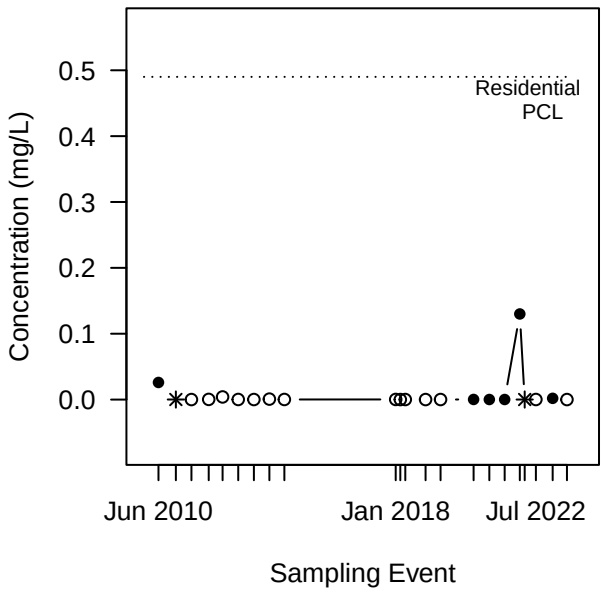
Benzene (Det/N = 1/21)
No Trend
(p−value=0.182 and CV=0.85)



Dibenzofuran (Det/N = 7/22)
No Trend
(p−value=0.459 and CV=3.6)



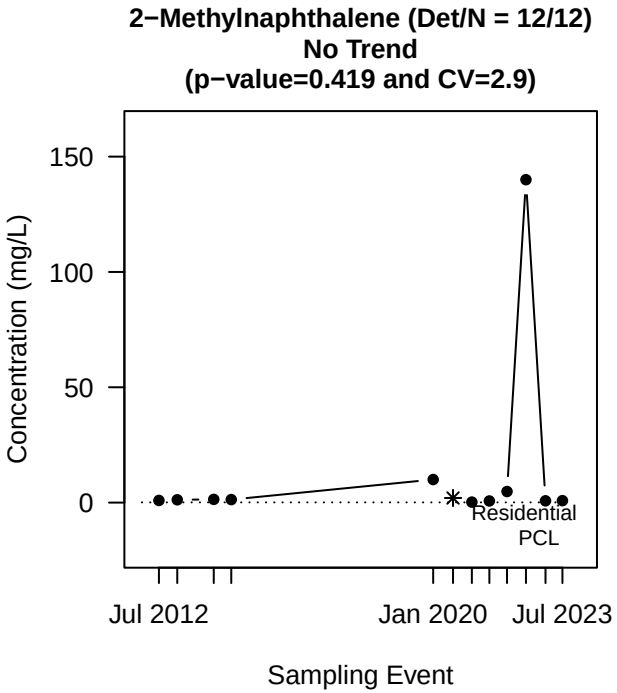
Naphthalene (Det/N = 8/22)
No Trend
(p−value=0.17 and CV=3.7)

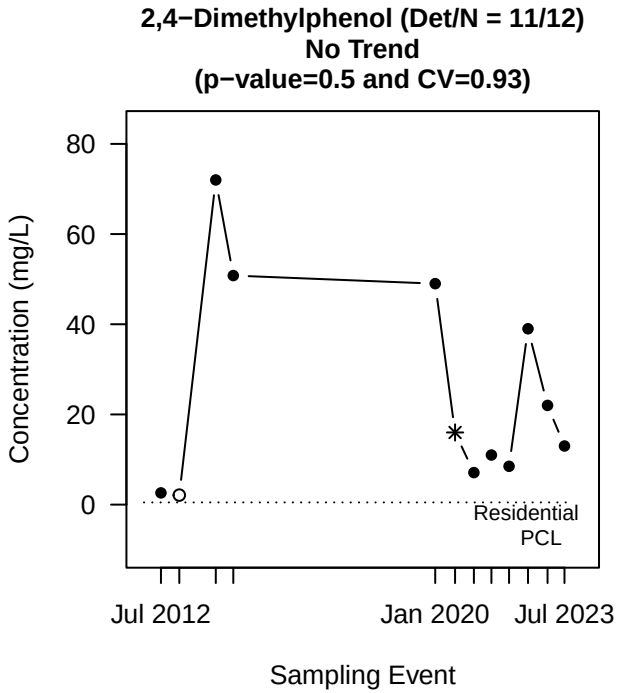


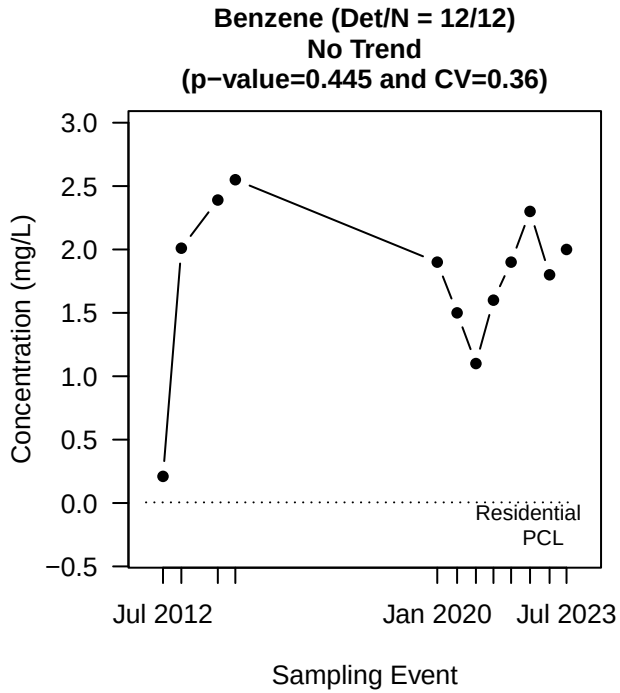
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

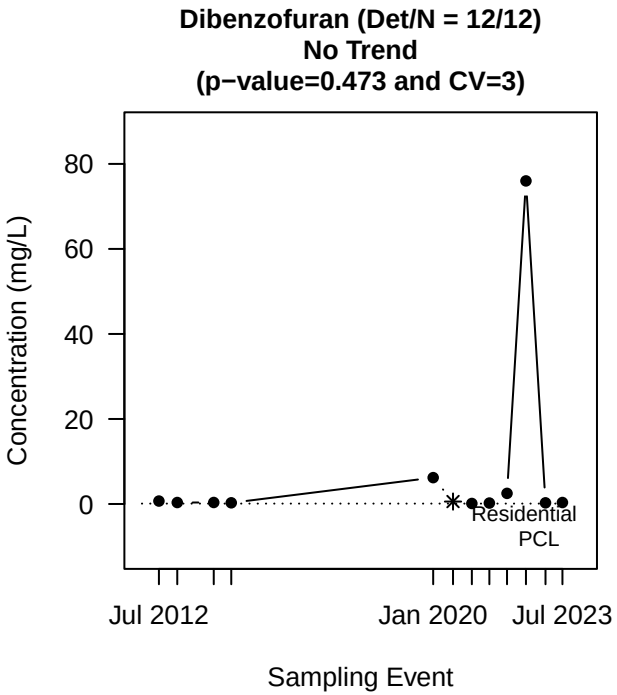
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

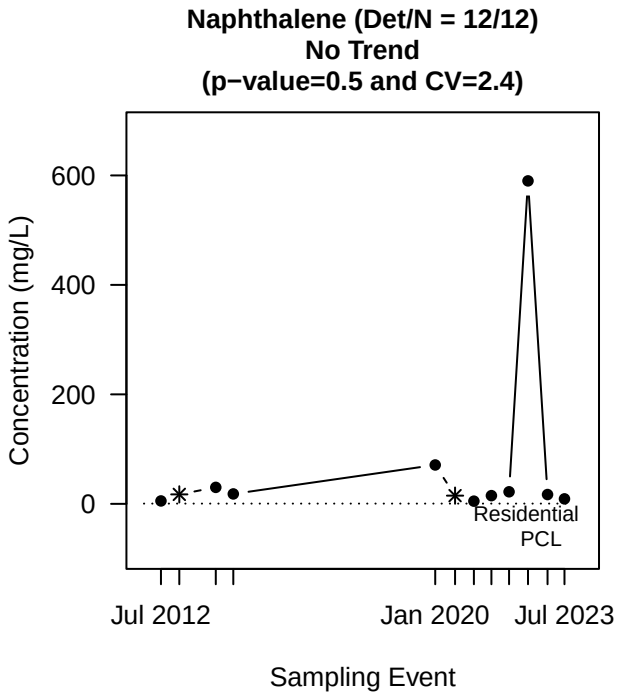
Mann−Kendall Trend Tests for MW−70B









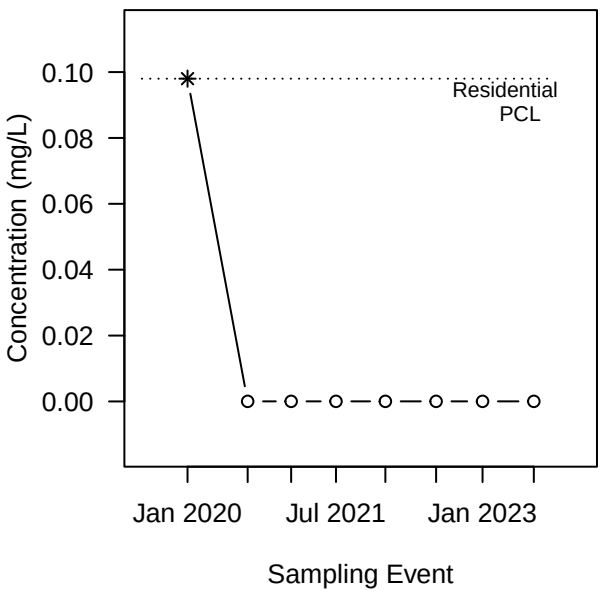


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

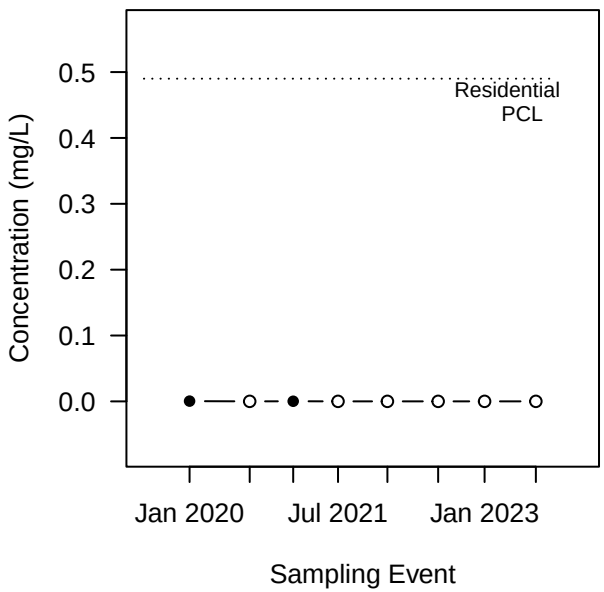
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−70C

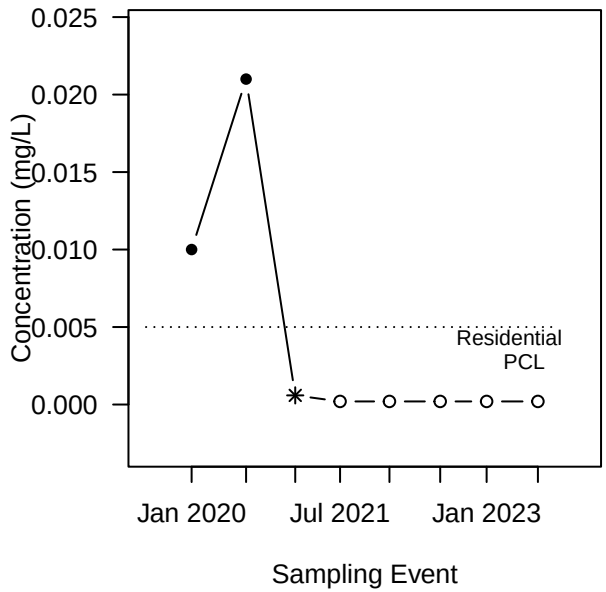
2−Methylnaphthalene (Det/N = 1/8)
Probably Decreasing
(p−value=0.0952 and CV=2.8)



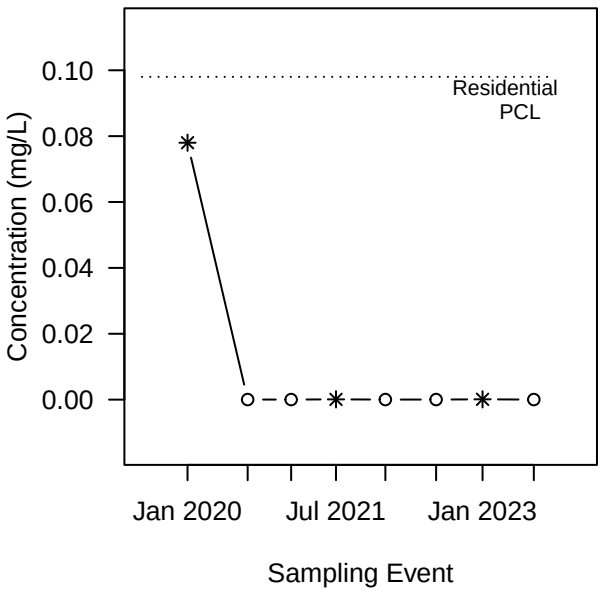
2,4−Dimethylphenol (Det/N = 2/8)
Probably Decreasing
(p−value=0.0501 and CV=1.3)



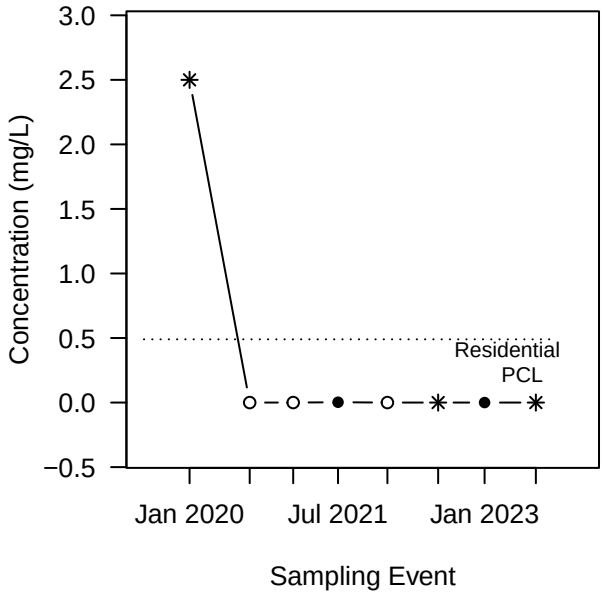
Benzene (Det/N = 3/8)
Decreasing
(p−value=0.0158 and CV=1.9)



Dibenzofuran (Det/N = 3/8)
No Trend
(p−value=0.334 and CV=2.8)



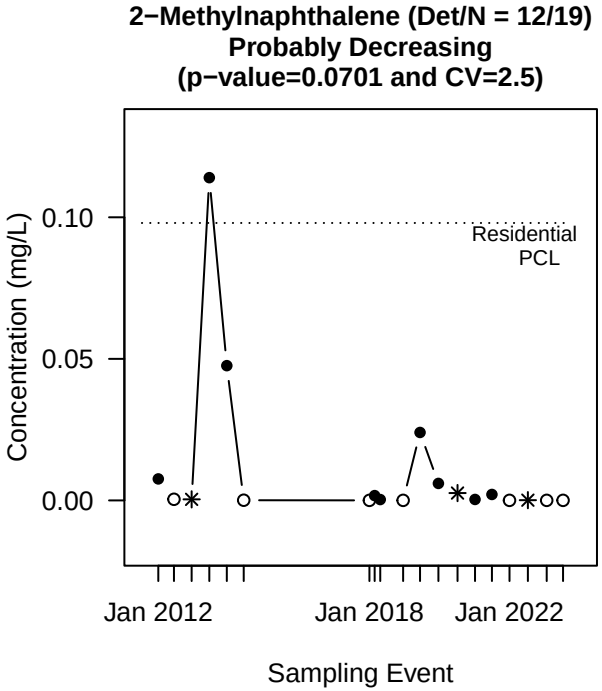
Naphthalene (Det/N = 5/8)
No Trend
(p−value=0.5 and CV=2.8)

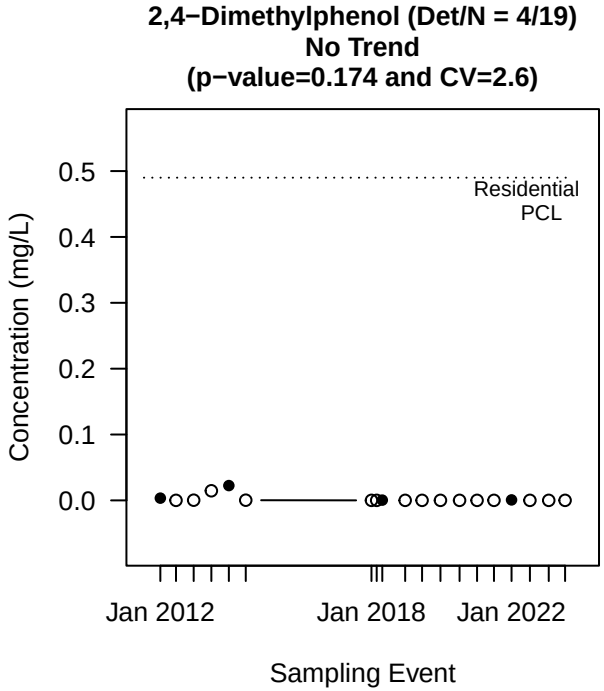


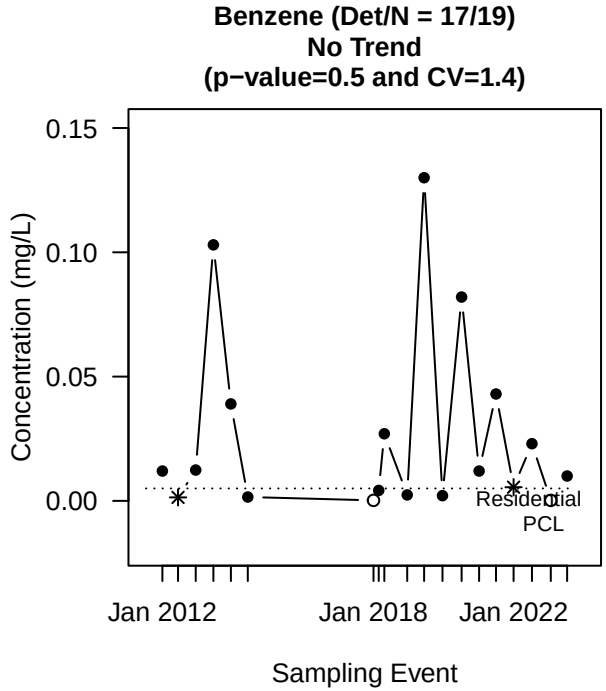
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

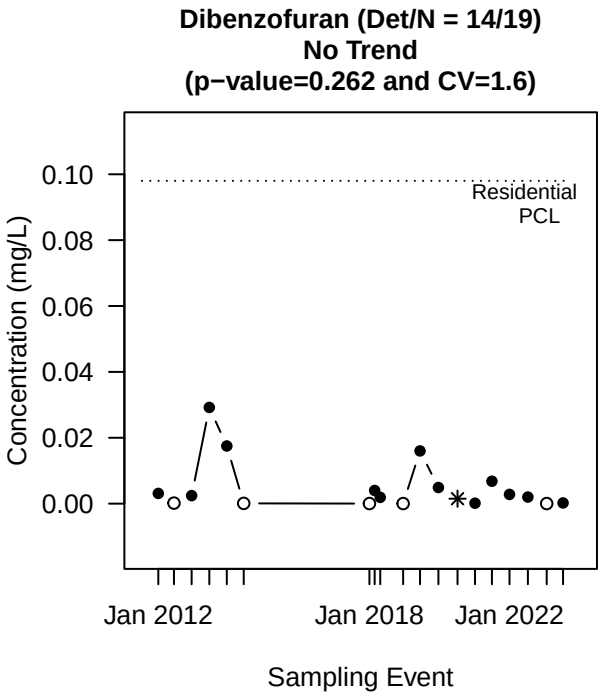
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

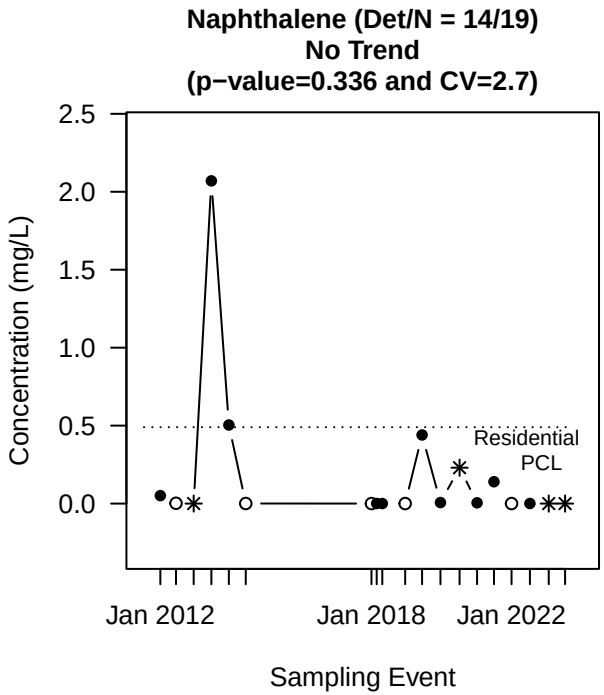
Mann−Kendall Trend Tests for MW−71B

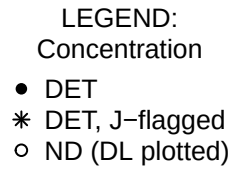






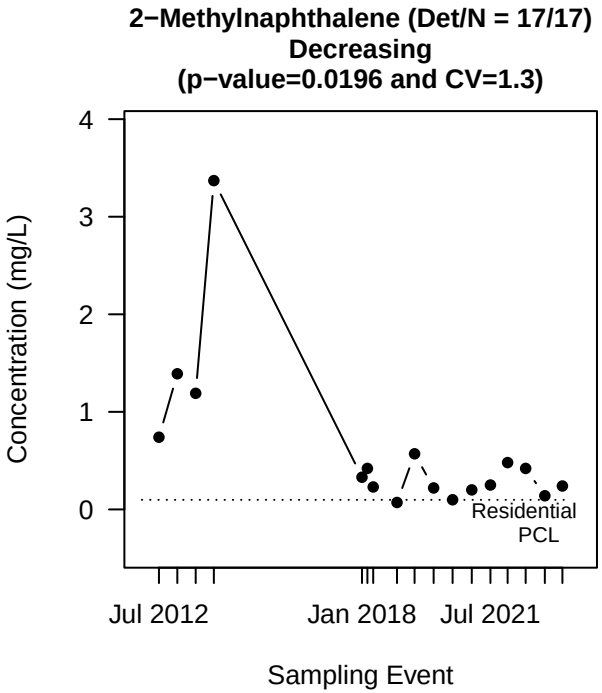


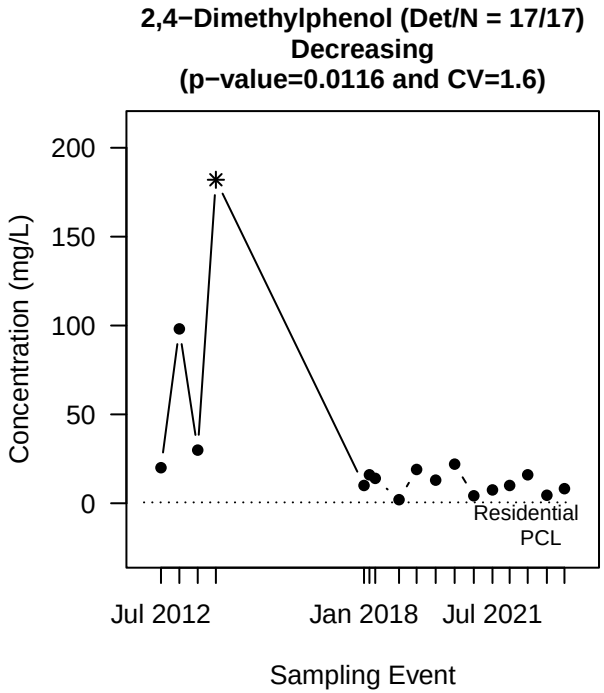


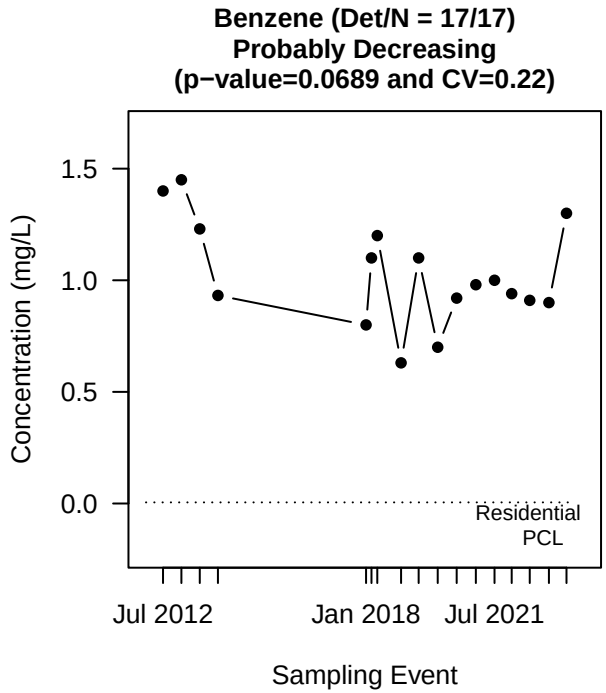


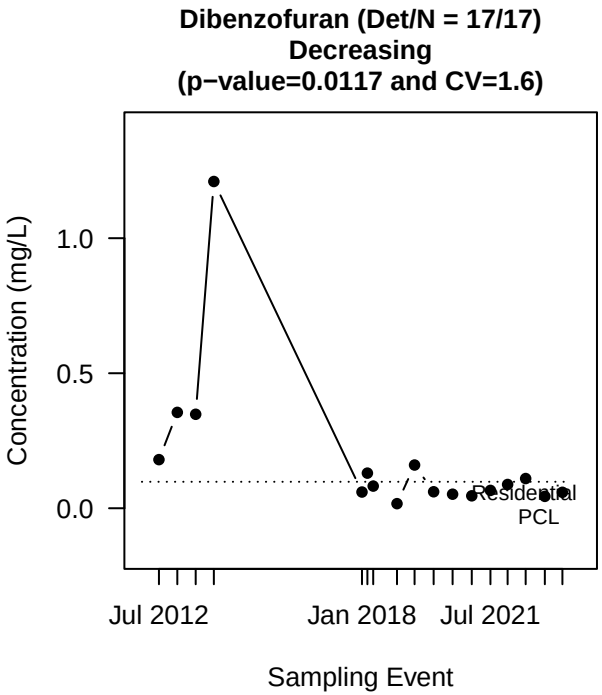
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

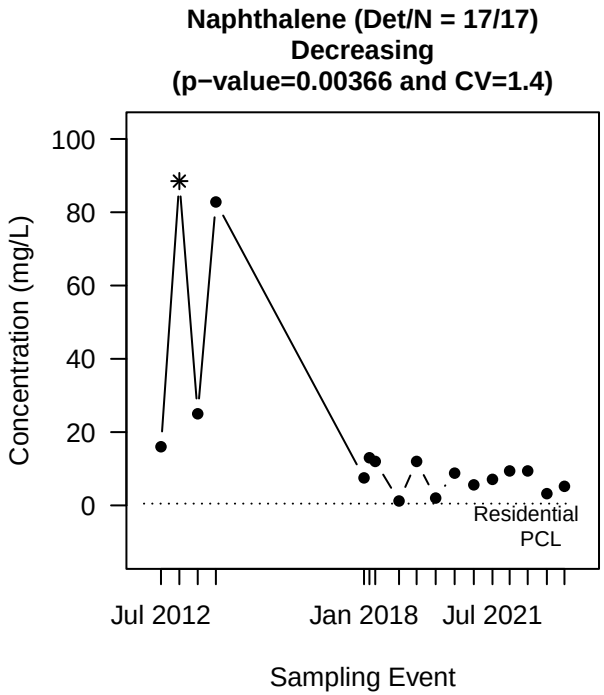
Mann−Kendall Trend Tests for MW−72B







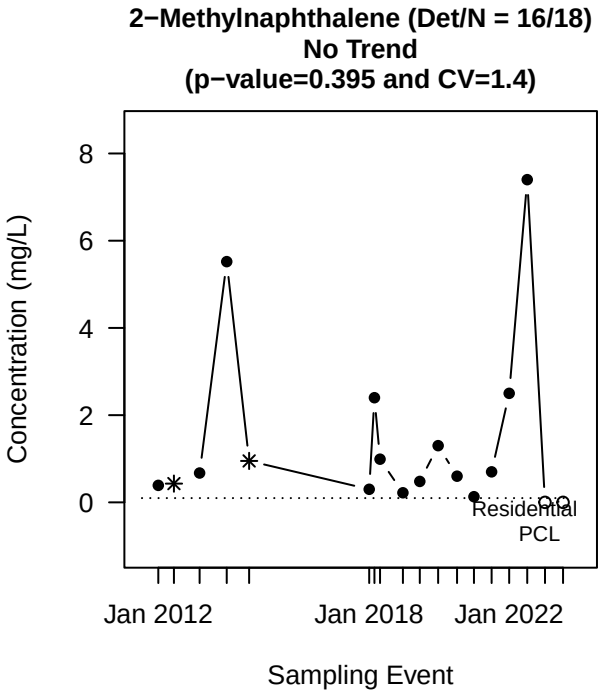


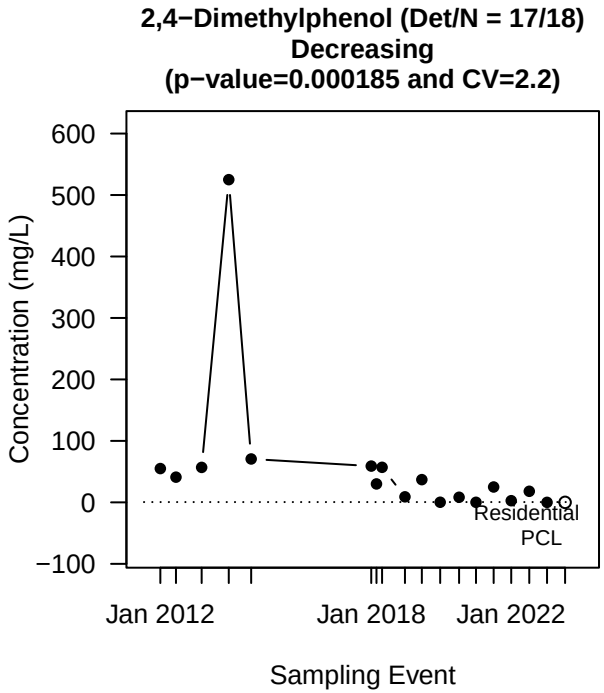


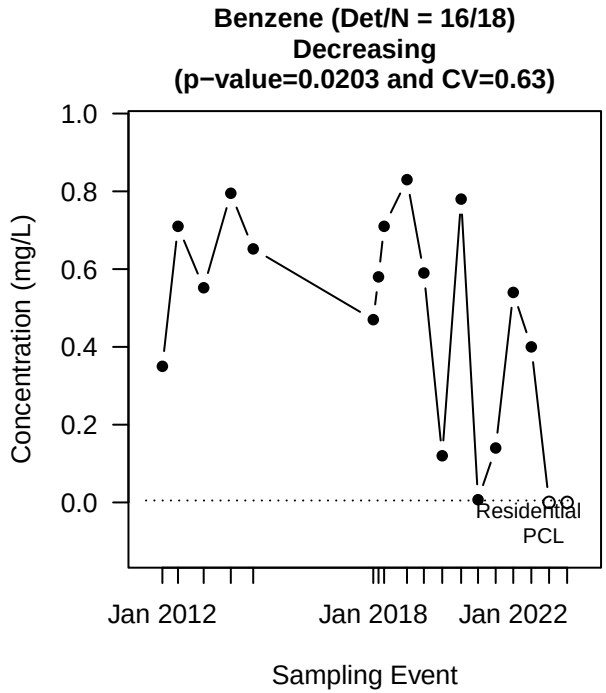
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

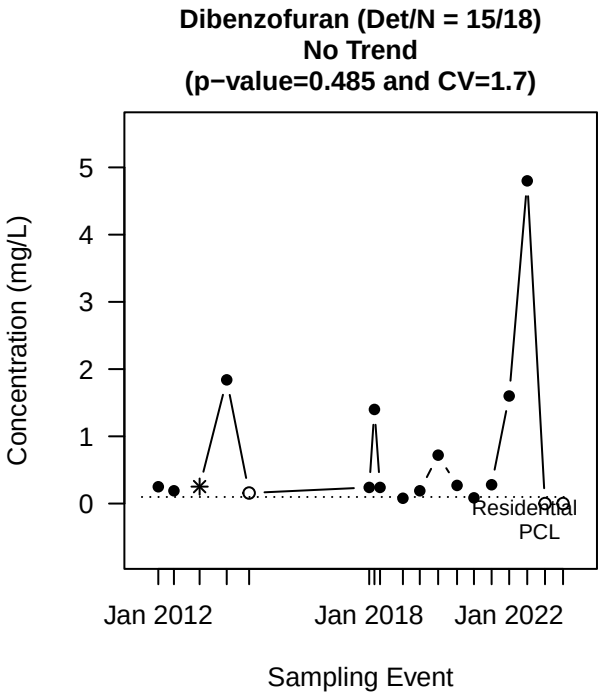
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

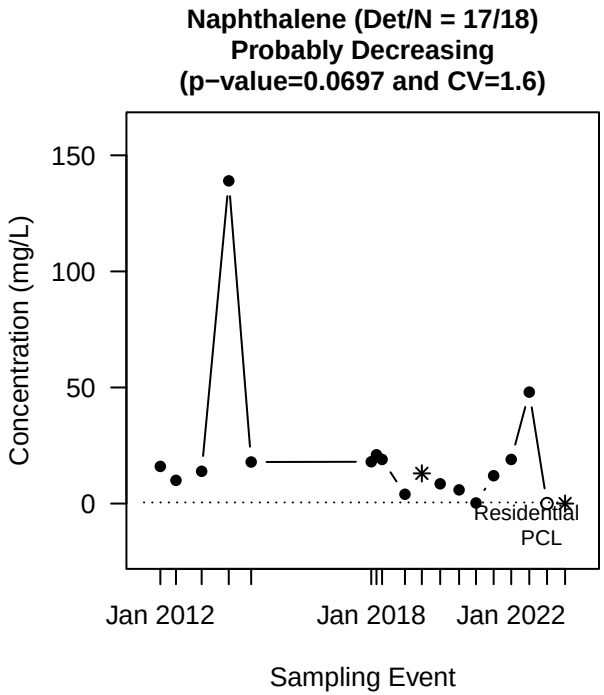
Mann−Kendall Trend Tests for MW−74B







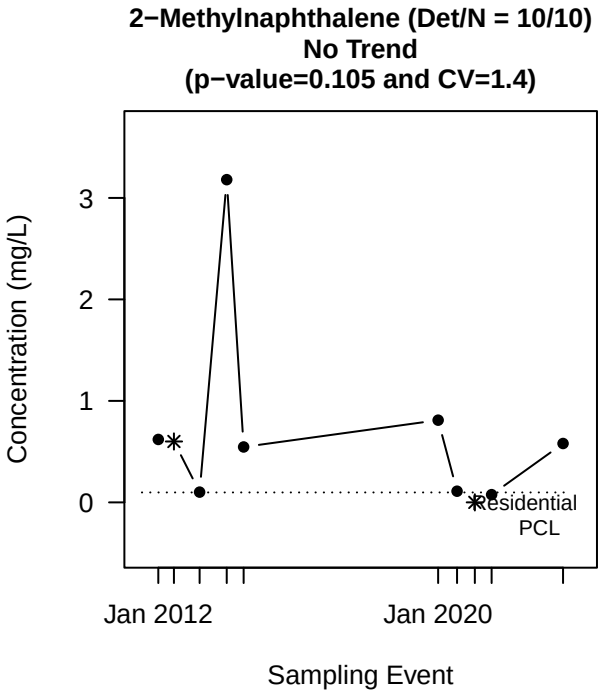


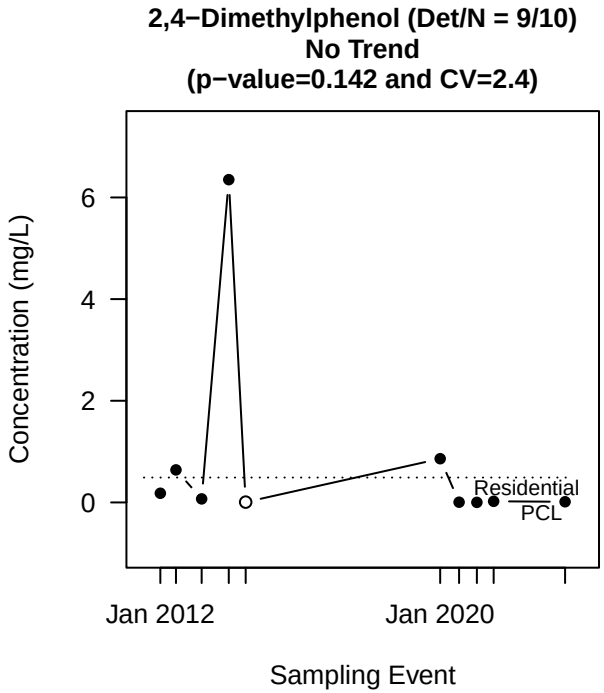


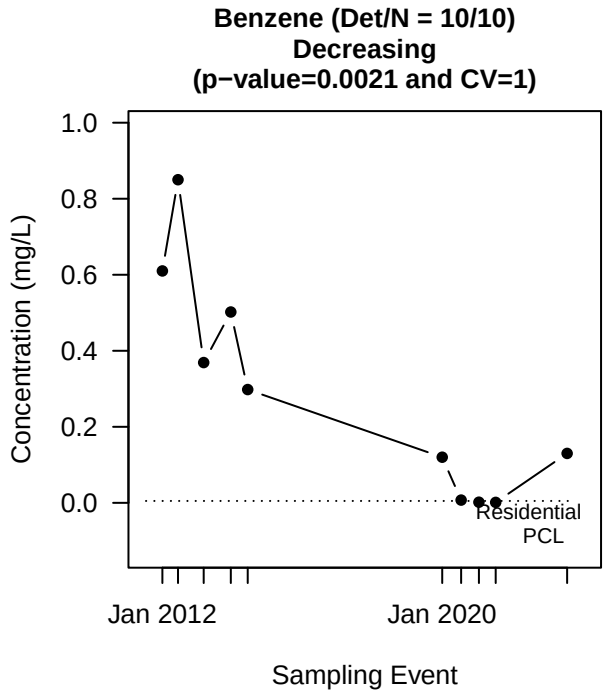
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

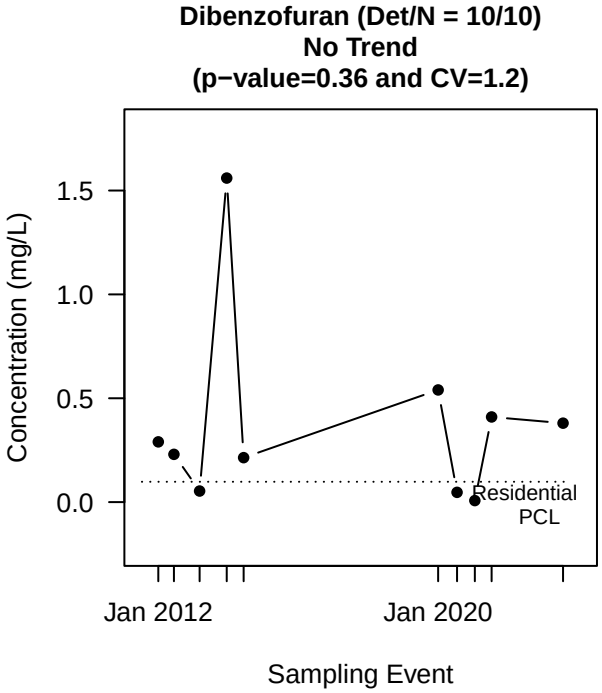
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

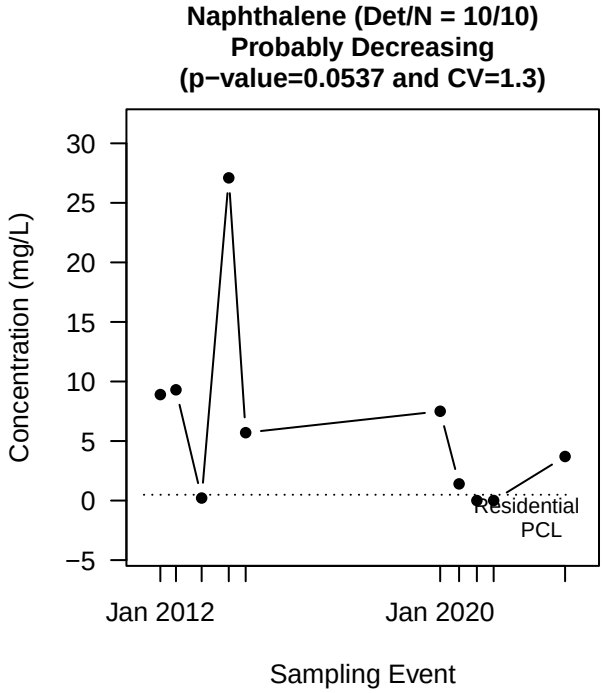
Mann−Kendall Trend Tests for MW−75B







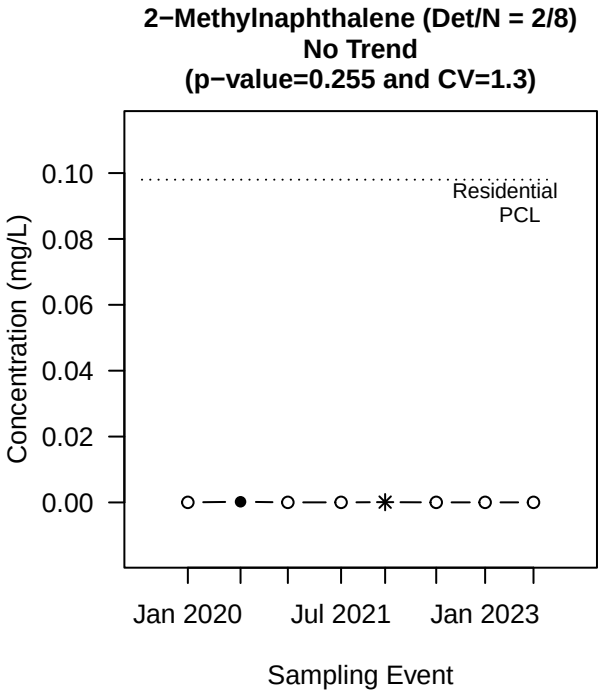


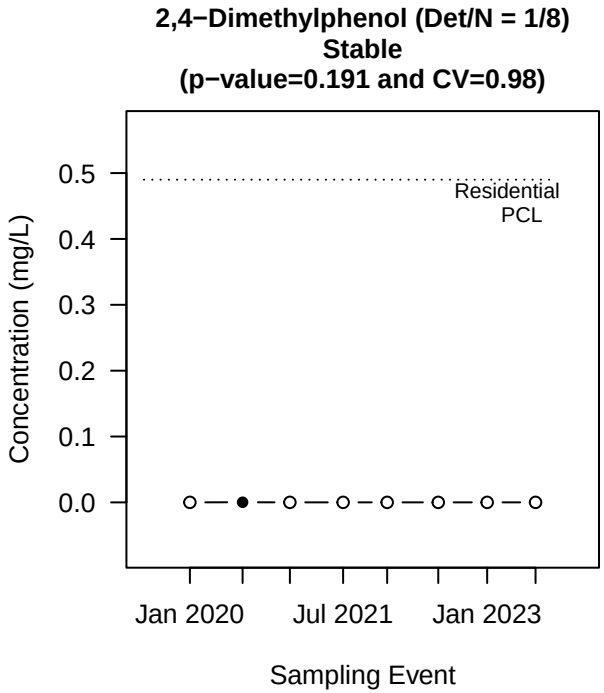


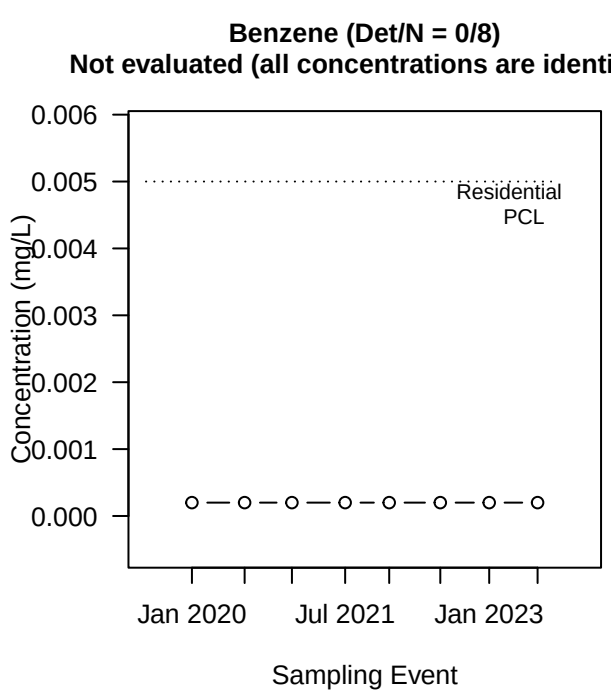
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

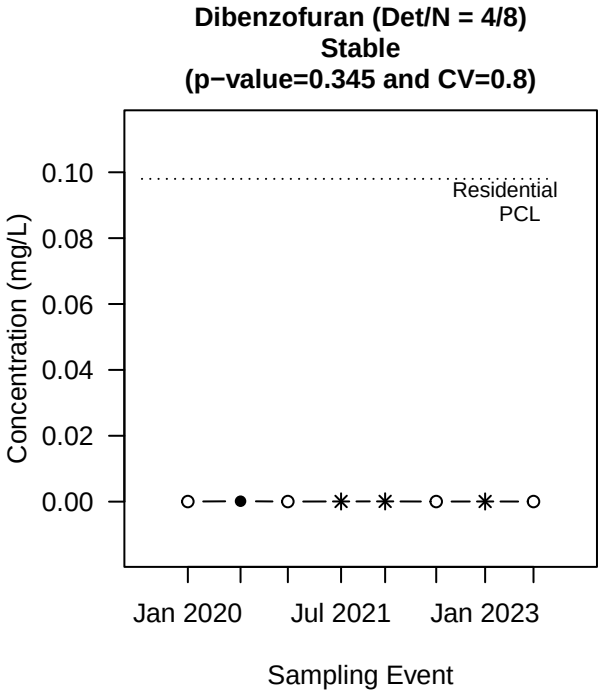
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

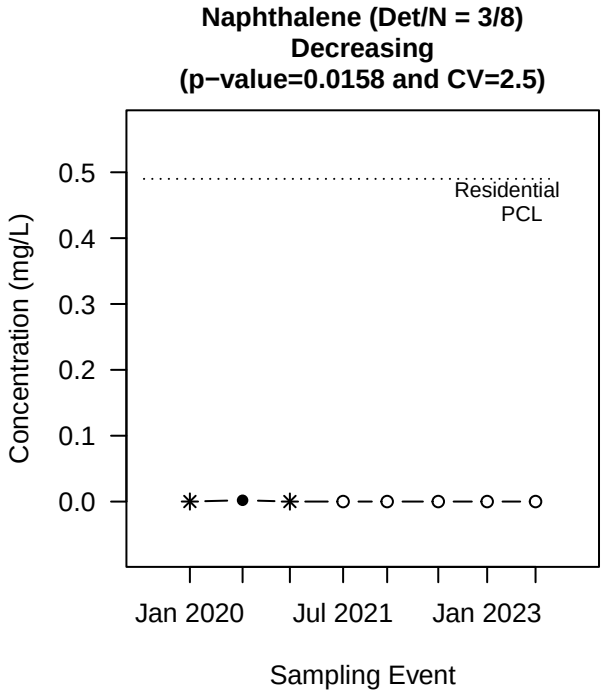
Mann−Kendall Trend Tests for MW−76B

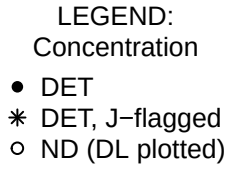








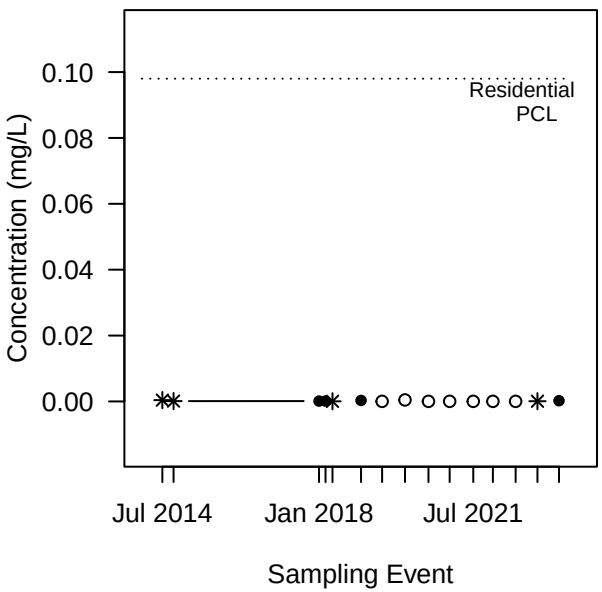




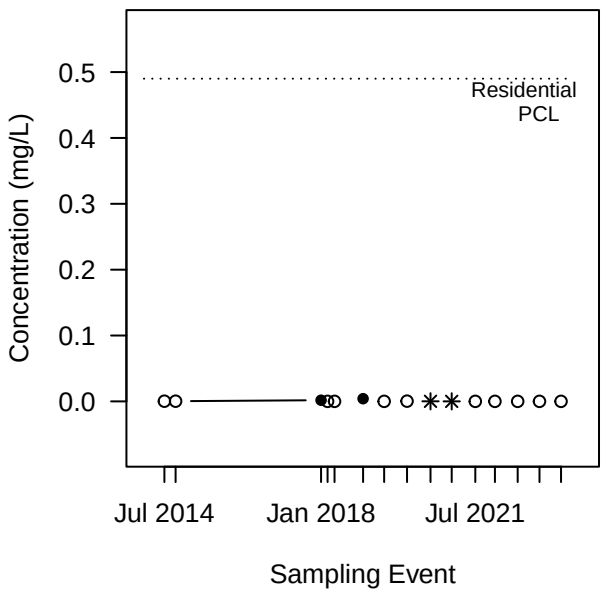
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−76C

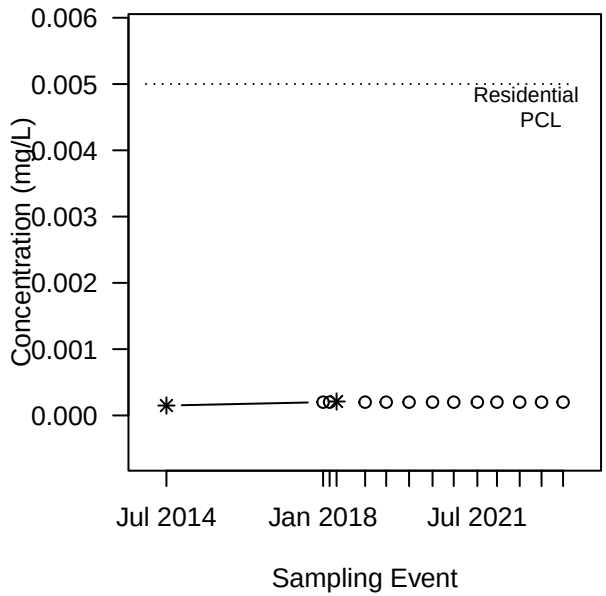
2−Methylnaphthalene (Det/N = 8/15)
Probably Decreasing
(p−value=0.0643 and CV=1.2)



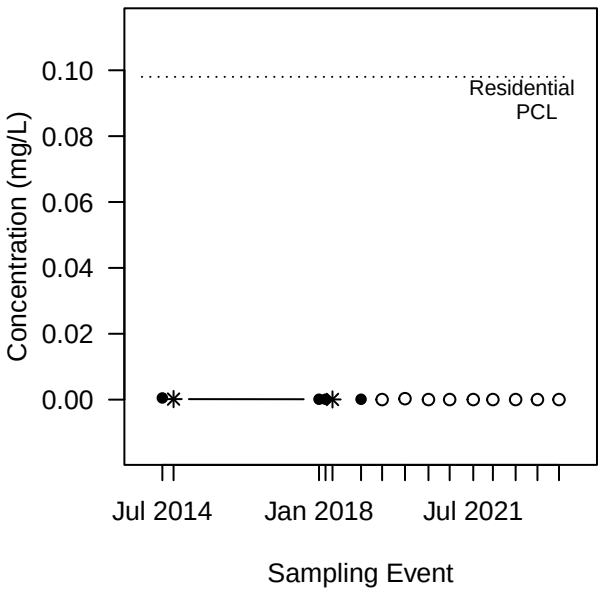
2,4−Dimethylphenol (Det/N = 4/15)
No Trend
(p−value=0.24 and CV=2.2)



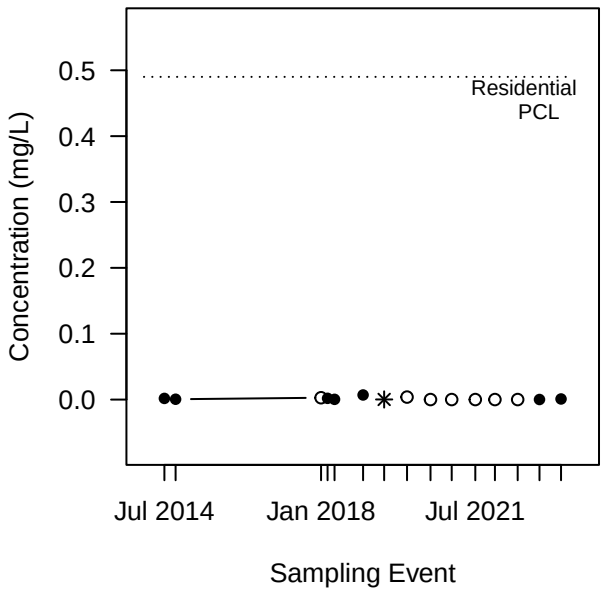
Benzene (Det/N = 2/14)
Probably Decreasing
(p−value=0.0509 and CV=0.071)



Dibenzofuran (Det/N = 6/15)
Decreasing
(p−value=0.000126 and CV=1.3)



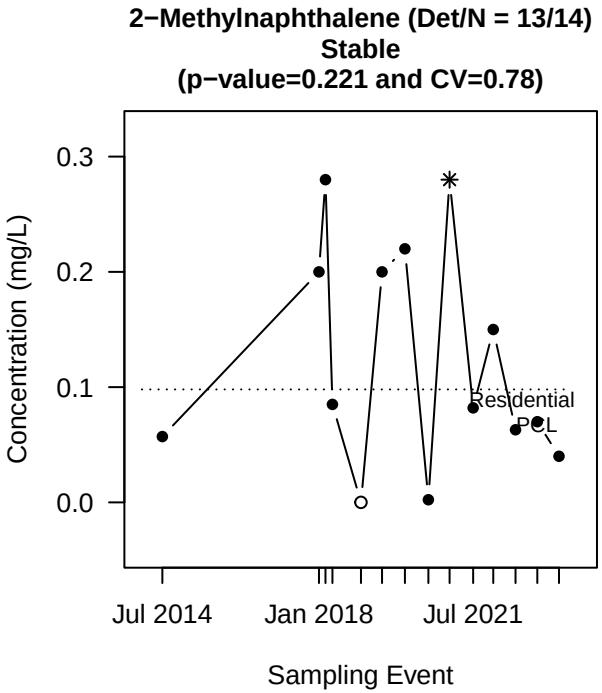
Naphthalene (Det/N = 8/15)
Probably Decreasing
(p−value=0.0785 and CV=1.5)

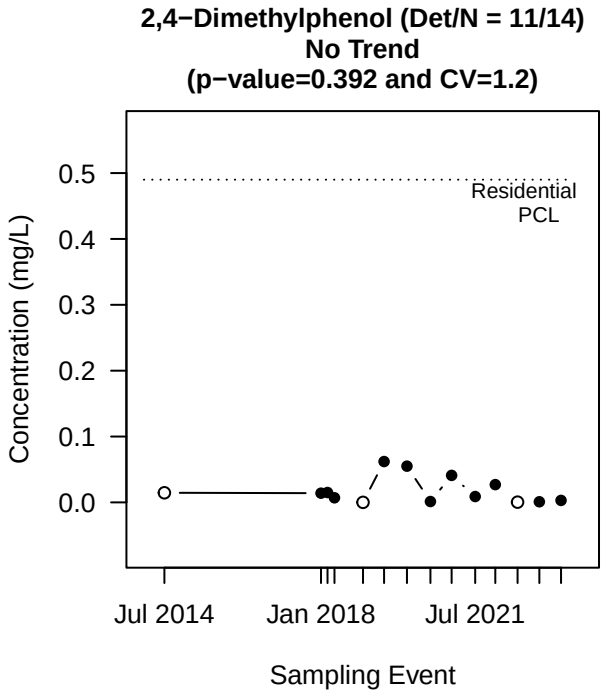


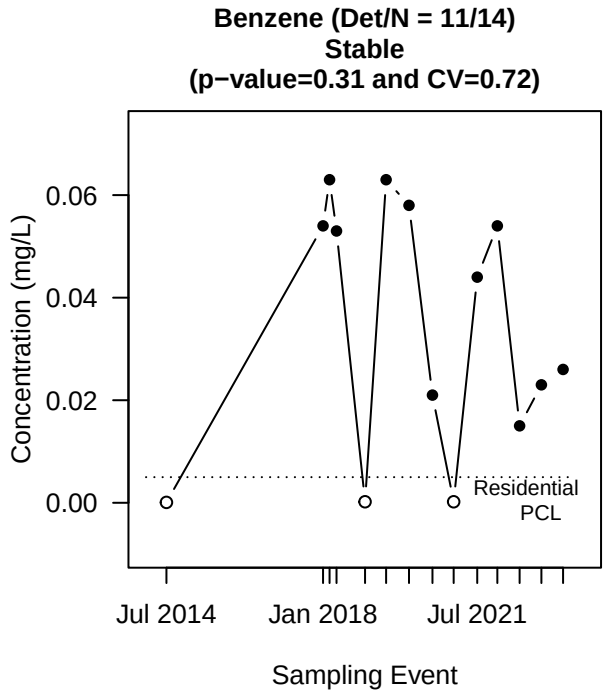
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

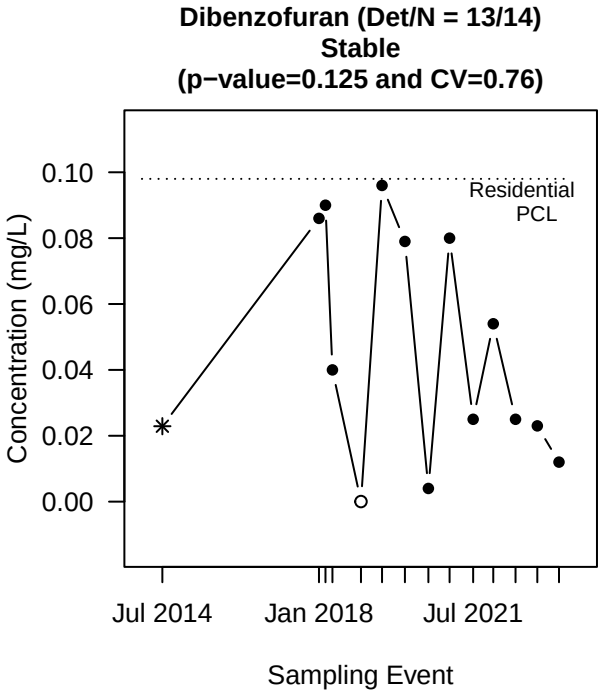
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

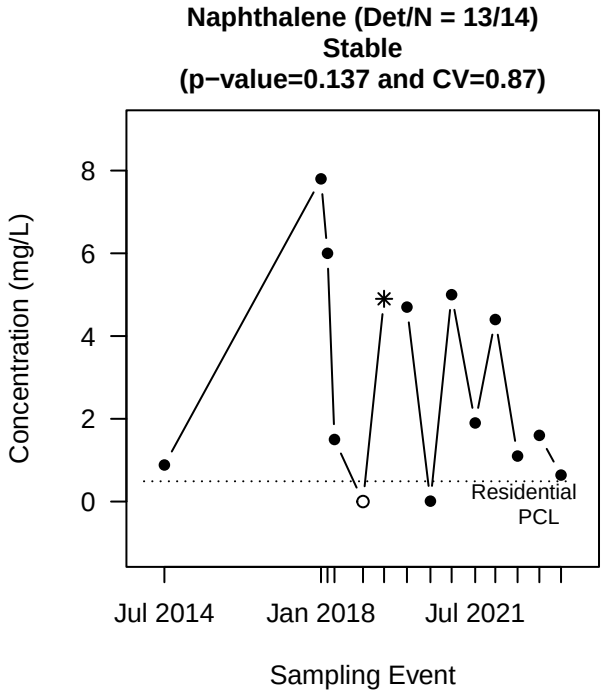
Mann−Kendall Trend Tests for MW−77A

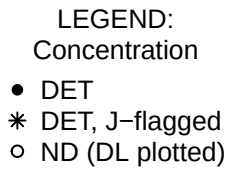








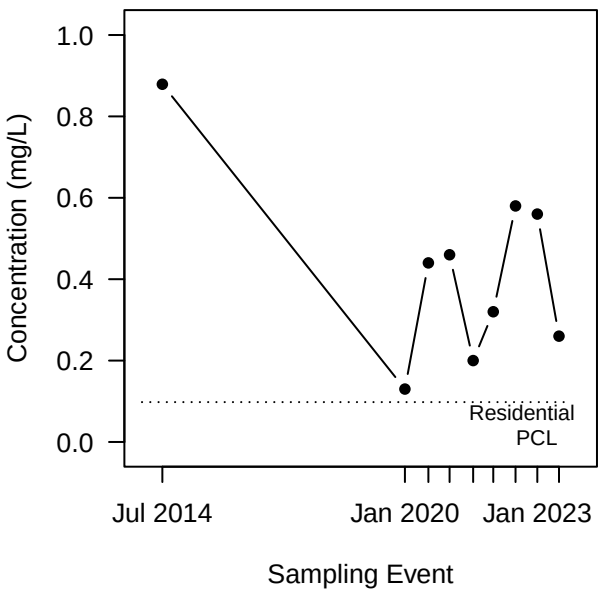




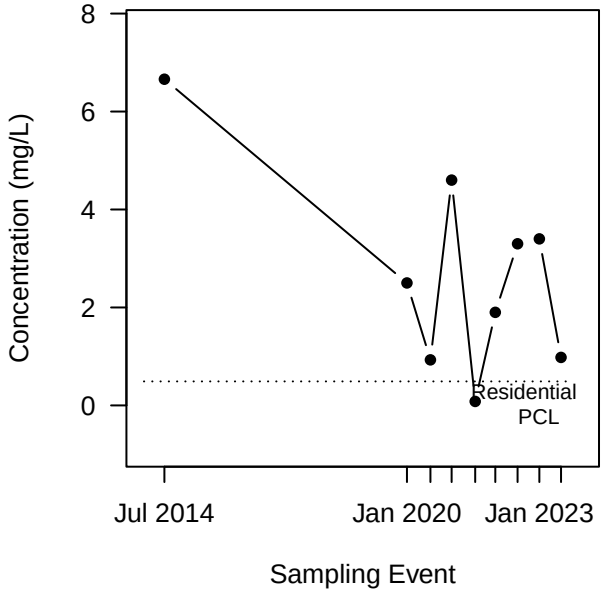
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−78A

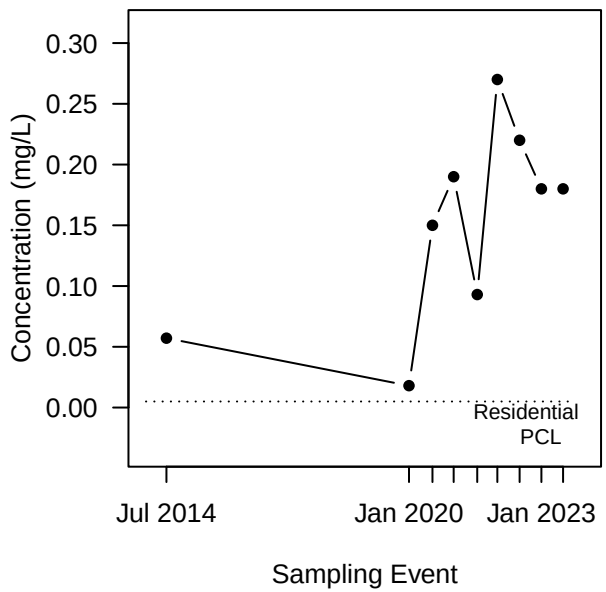
2−Methylnaphthalene (Det/N = 9/9)
No Trend
(p−value=0.5 and CV=0.54)



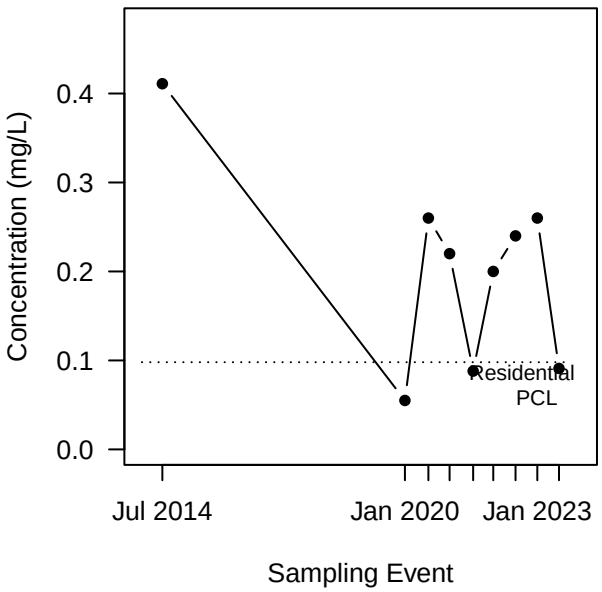
2,4−Dimethylphenol (Det/N = 9/9)
Stable
(p−value=0.301 and CV=0.76)



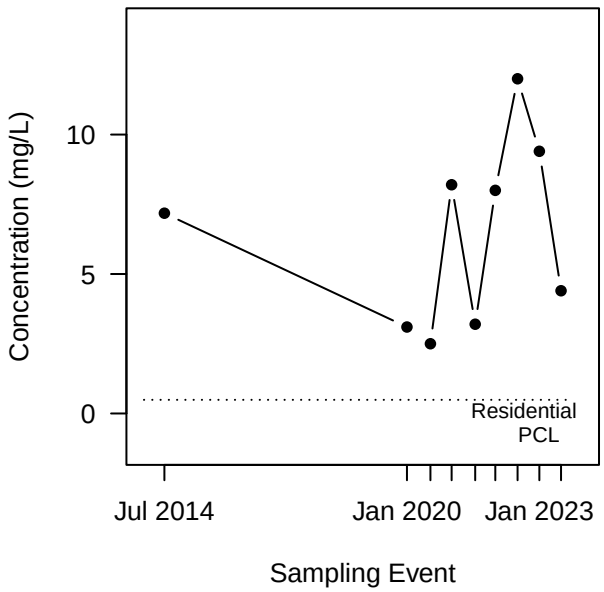
Benzene (Det/N = 9/9)
Probably Increasing
(p−value=0.0711 and CV=0.53)



Dibenzofuran (Det/N = 9/9)
Stable
(p−value=0.417 and CV=0.55)



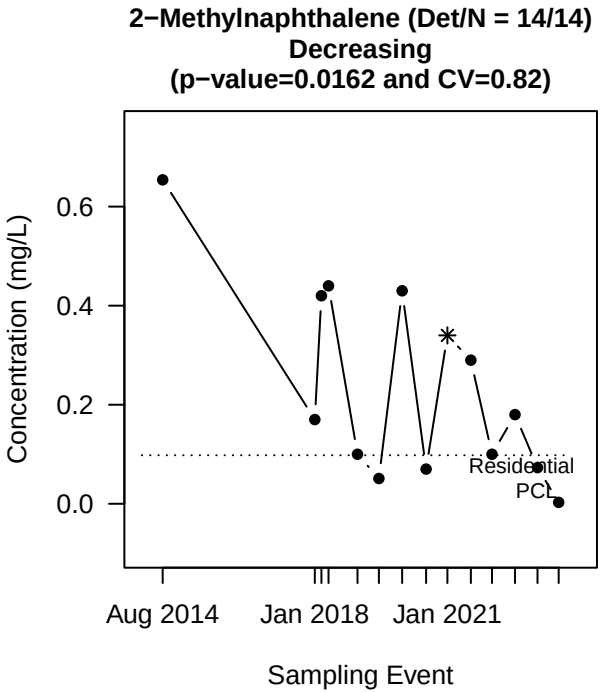
Naphthalene (Det/N = 9/9)
No Trend
(p−value=0.126 and CV=0.51)

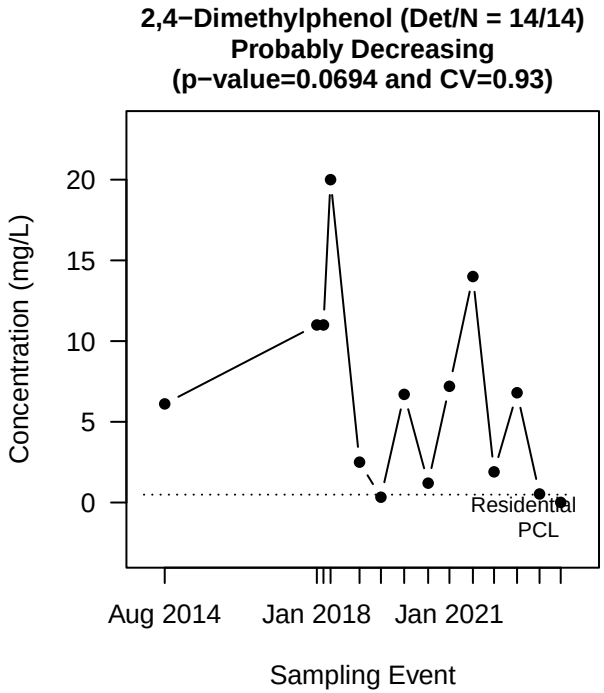


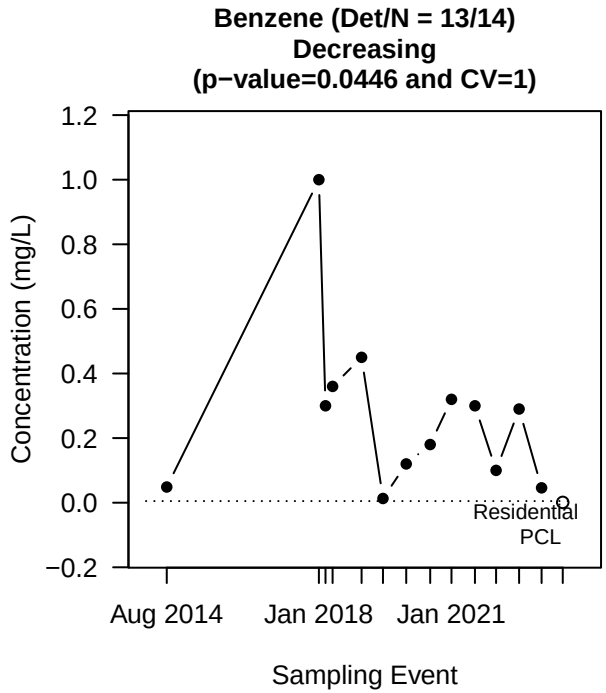
LEGEND:
Concentration
- DET
- ND (DL plotted)

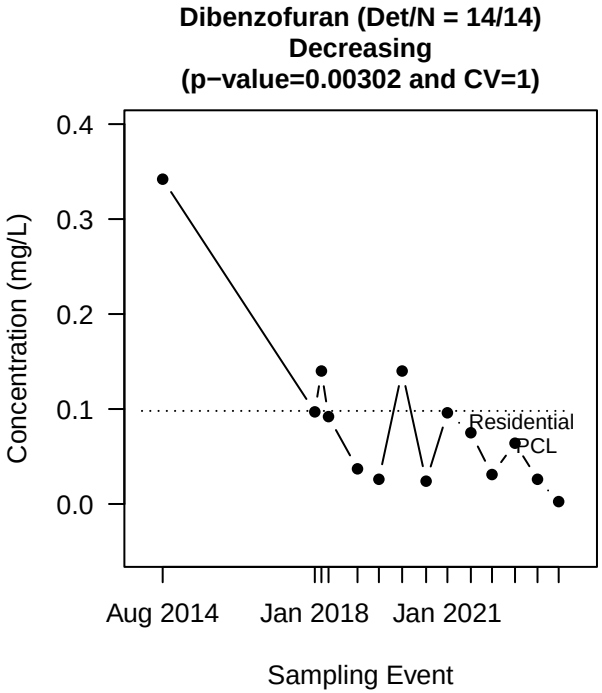
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

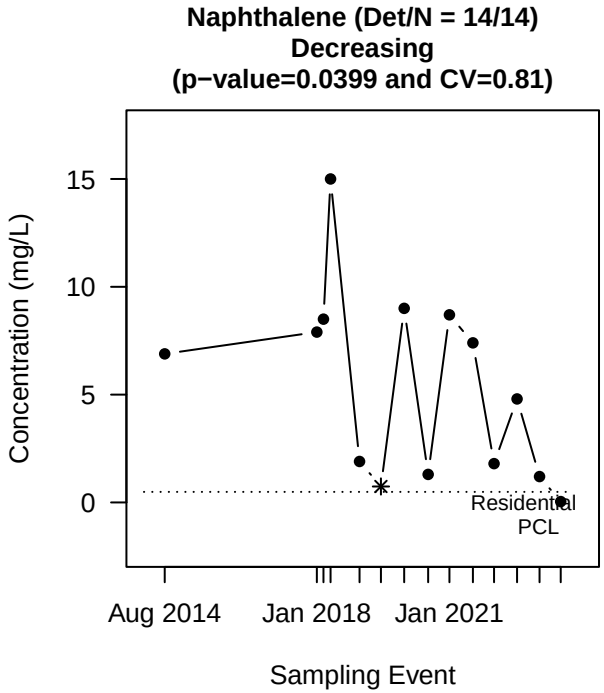
Mann−Kendall Trend Tests for MW−79A

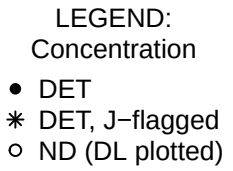






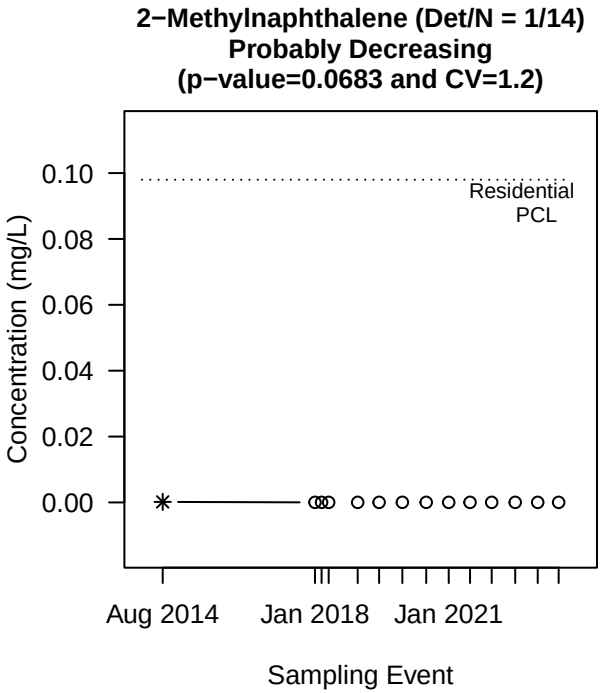


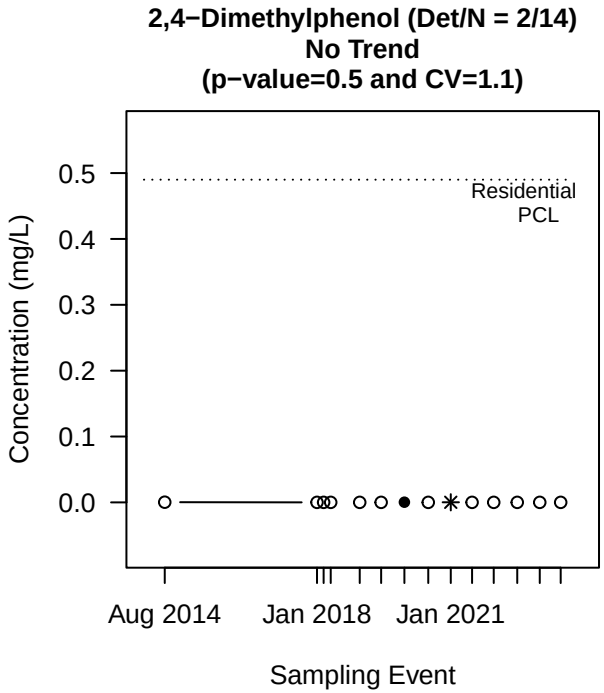


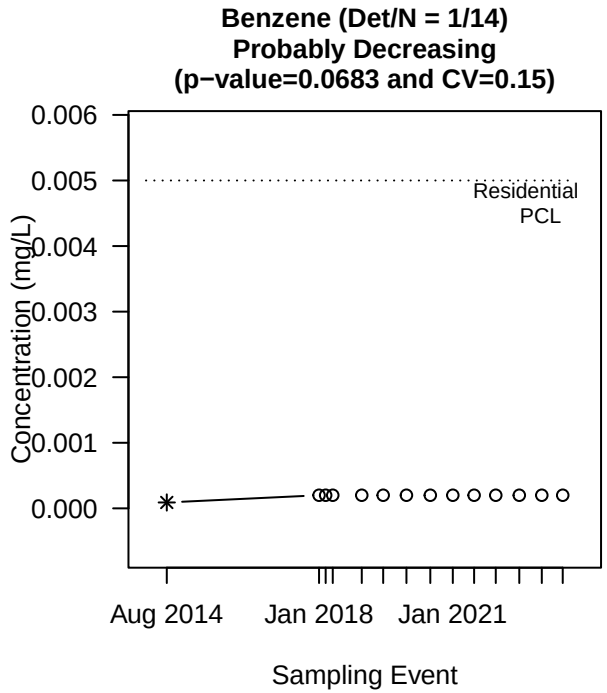


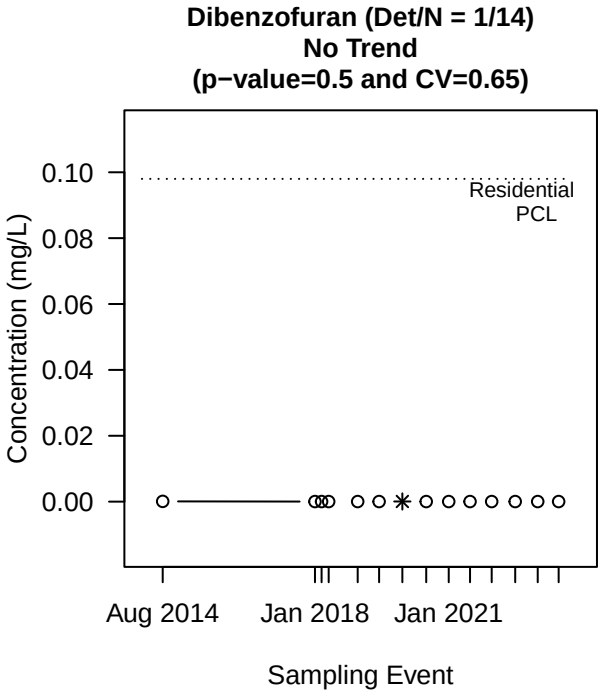
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

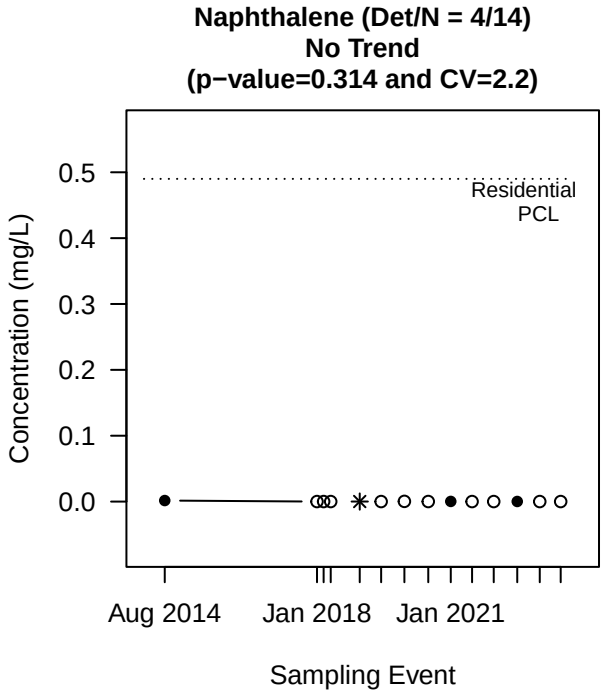
Mann−Kendall Trend Tests for MW−80B

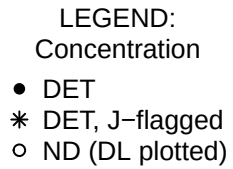






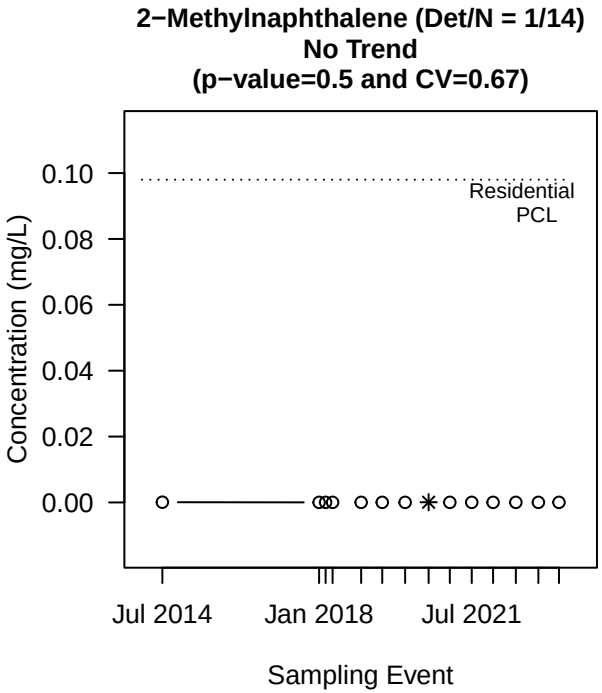


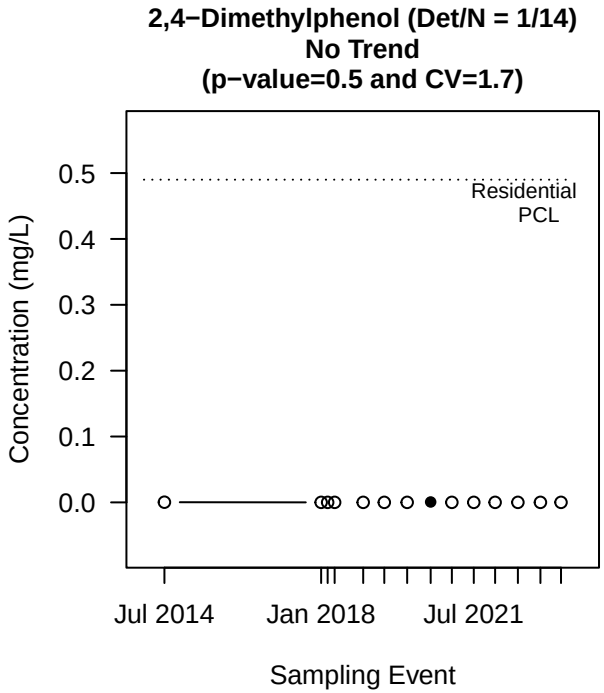


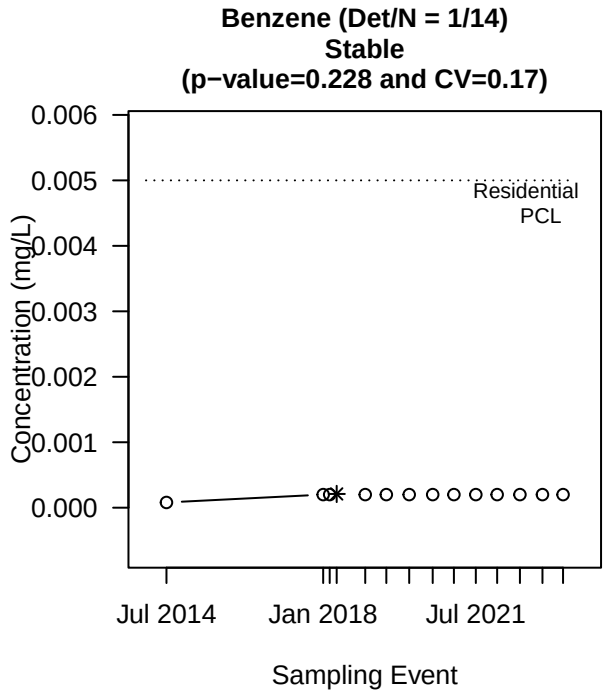


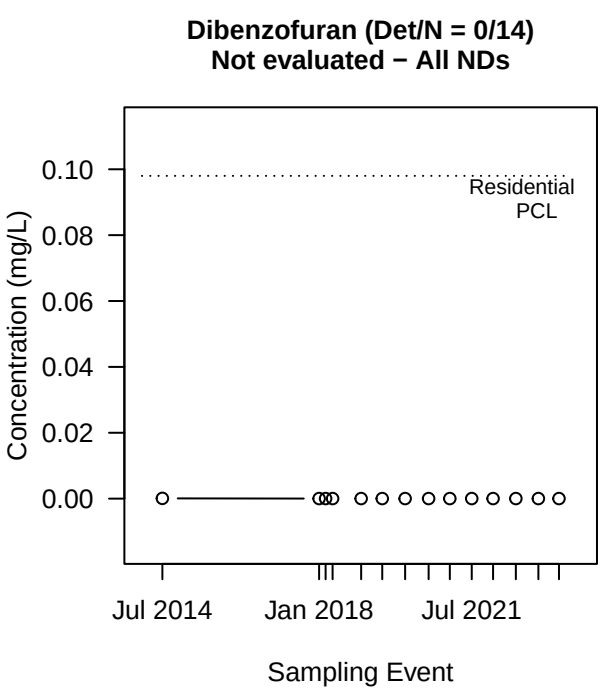
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

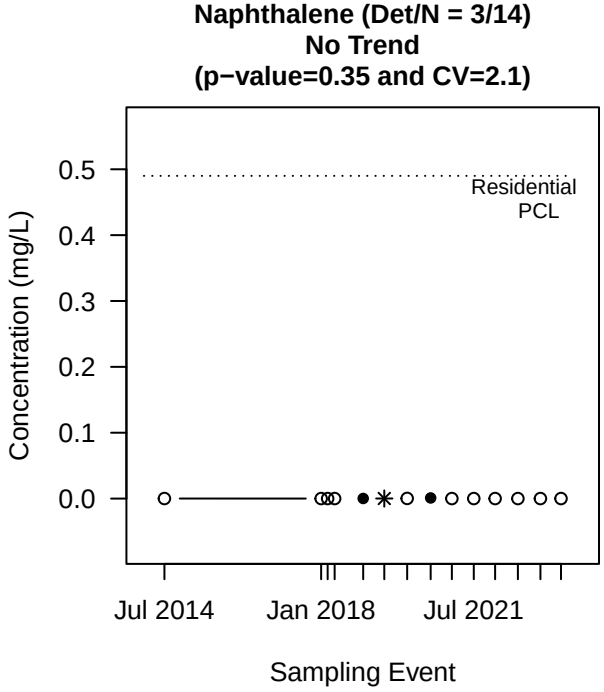
Mann−Kendall Trend Tests for MW−81B

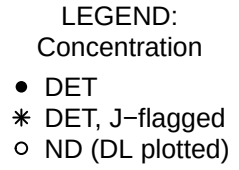






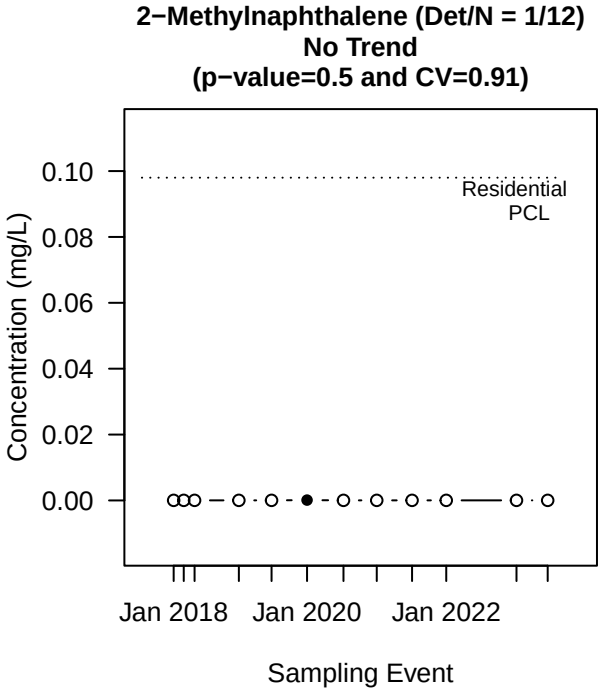


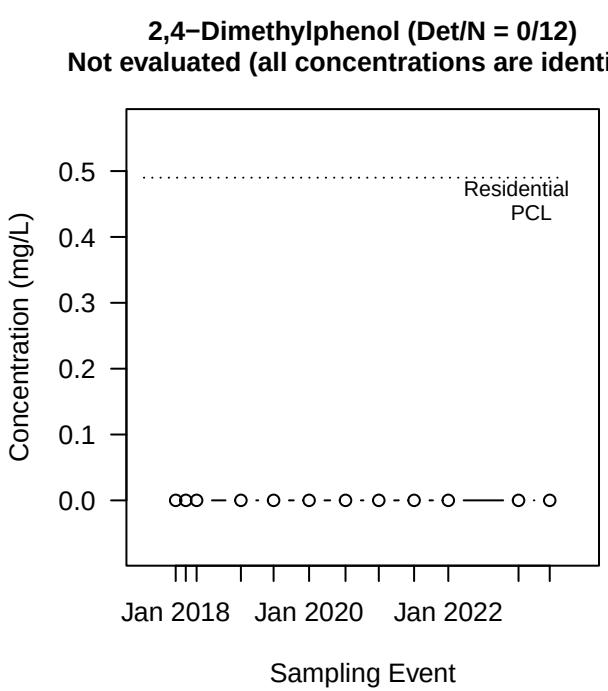


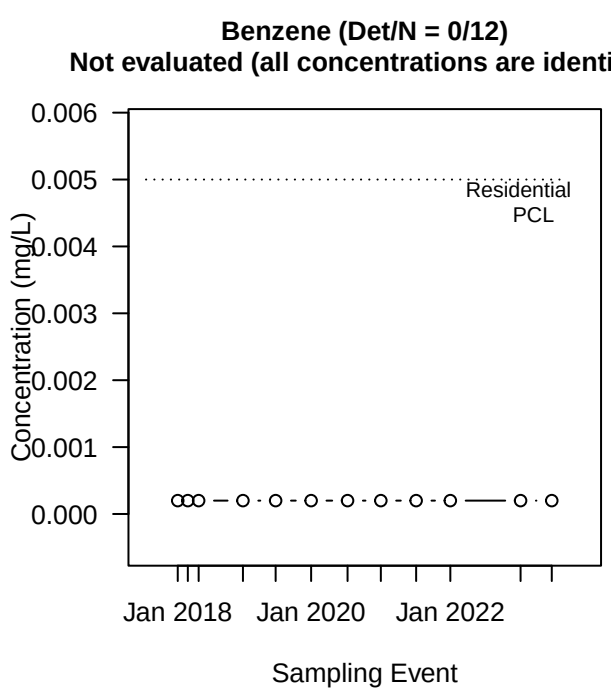


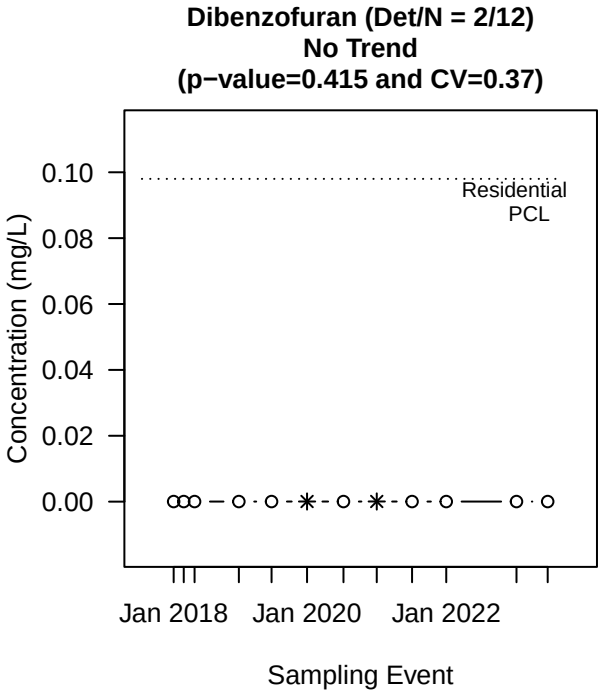
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

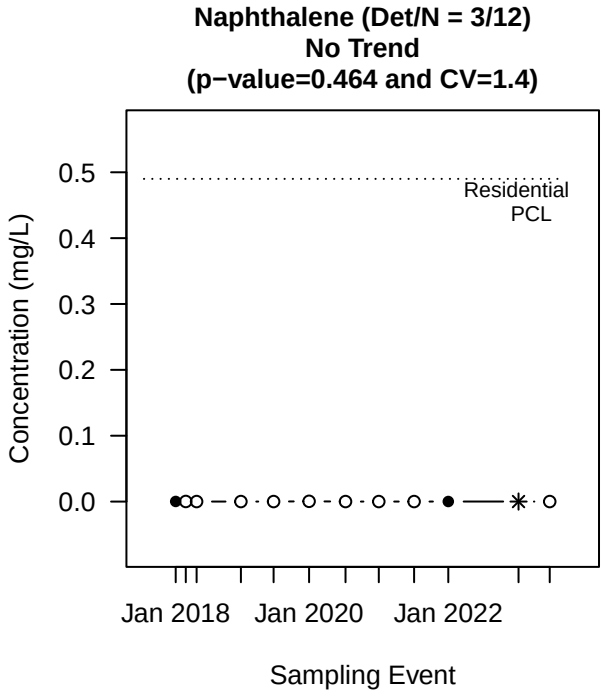
Mann−Kendall Trend Tests for MW−82B

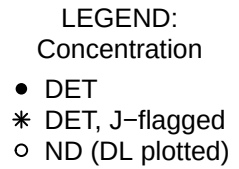






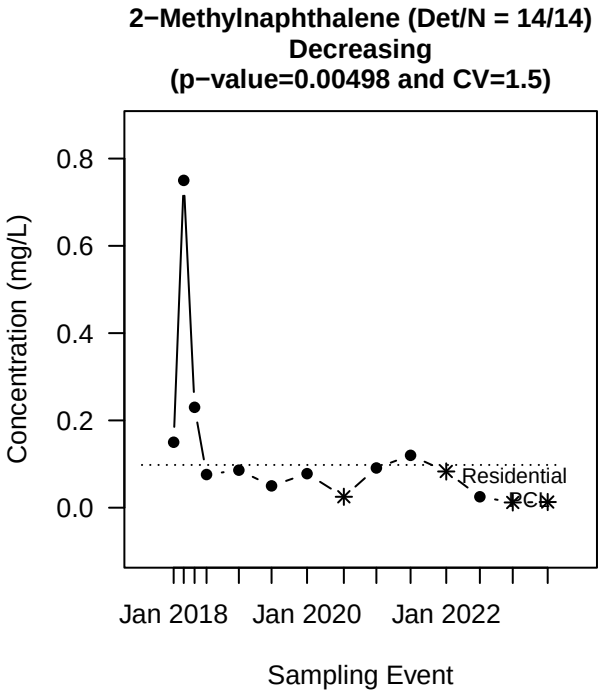


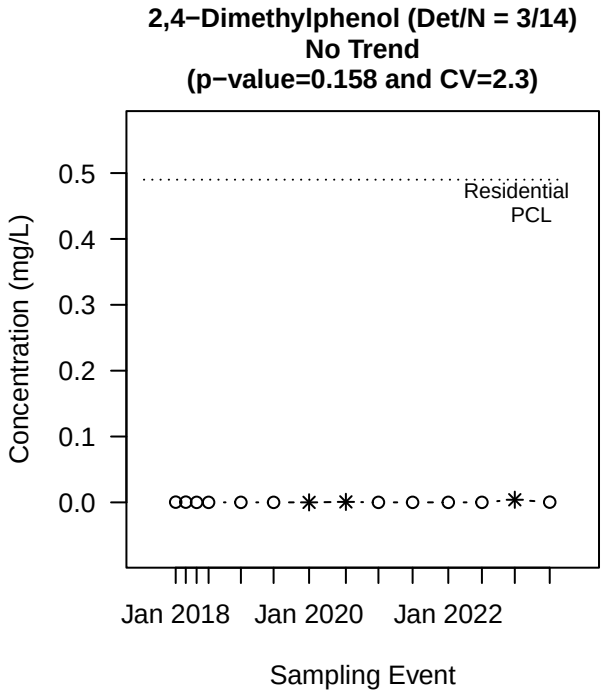


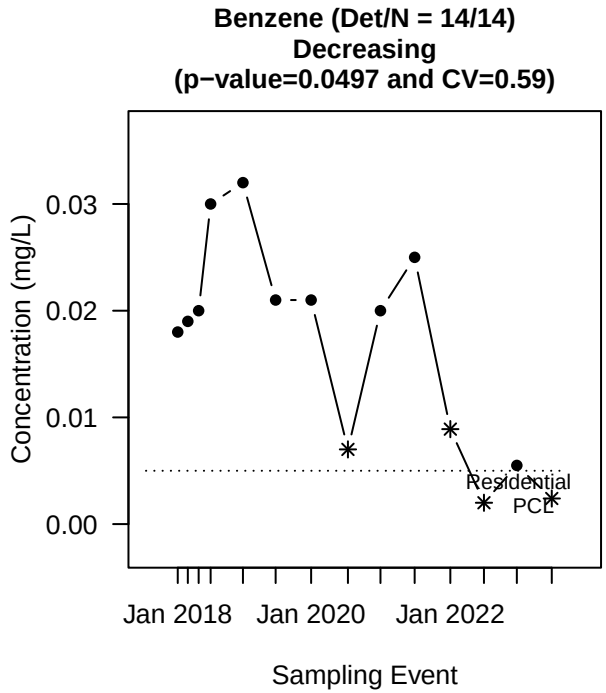


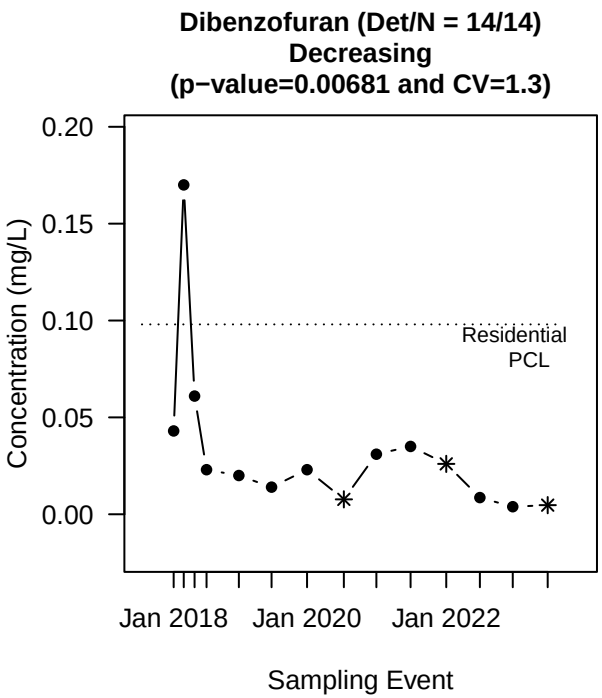
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

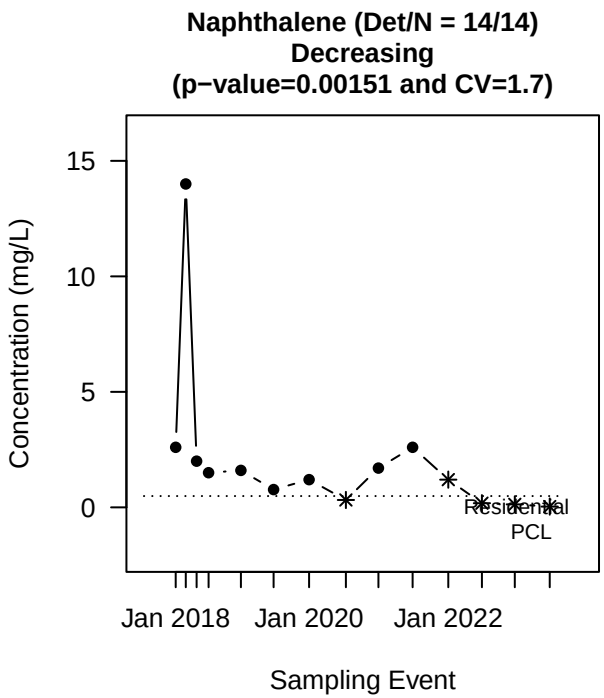
Mann−Kendall Trend Tests for MW−83B

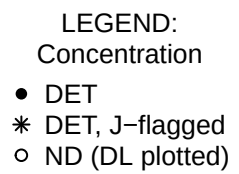






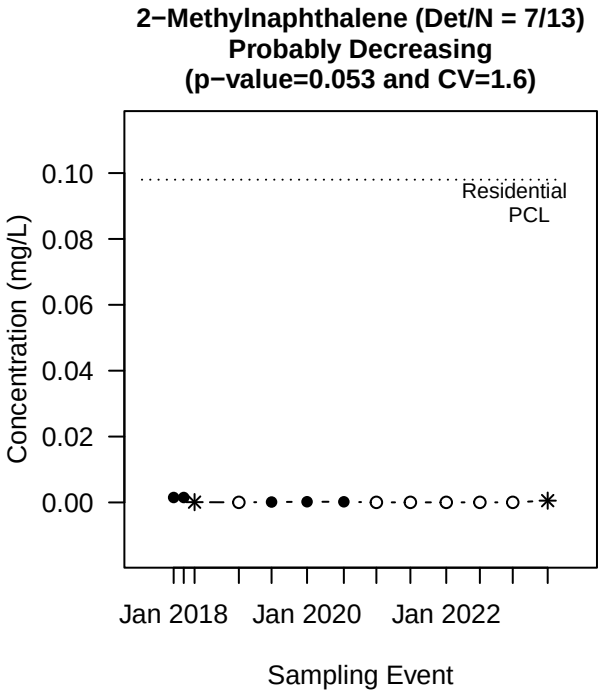


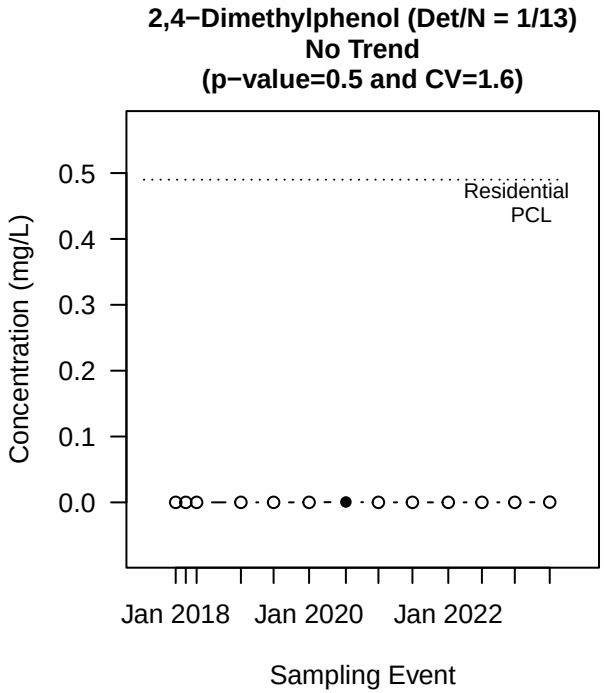


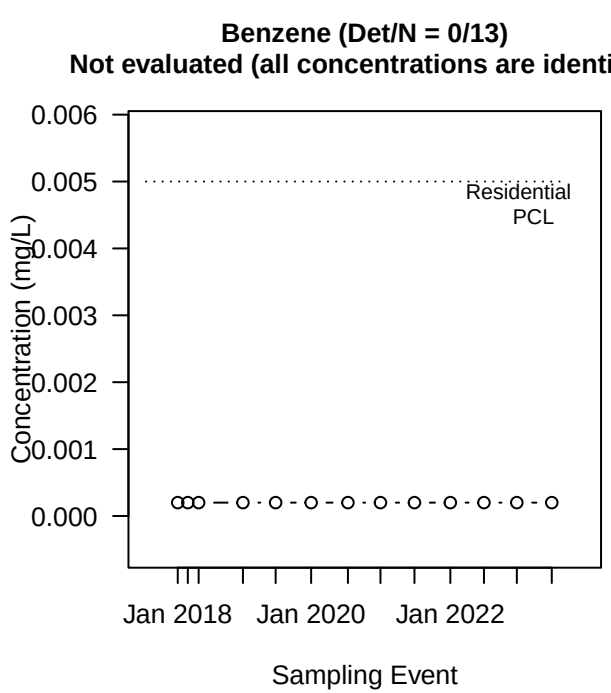


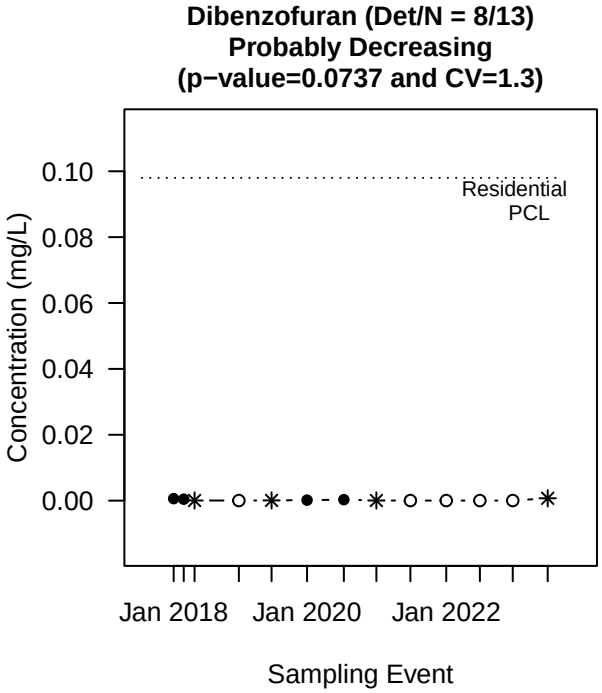
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

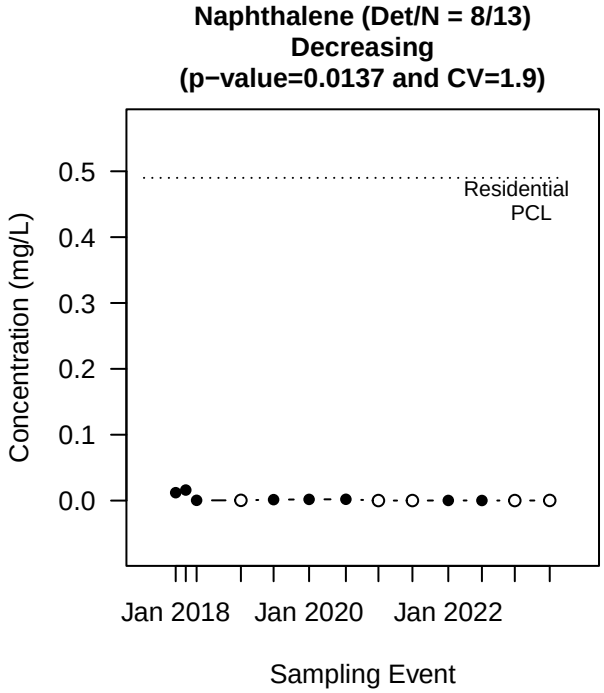
Mann−Kendall Trend Tests for MW−83C









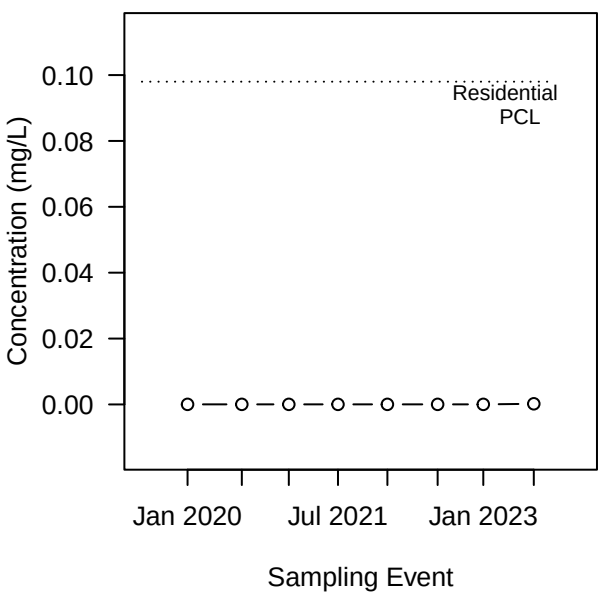


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

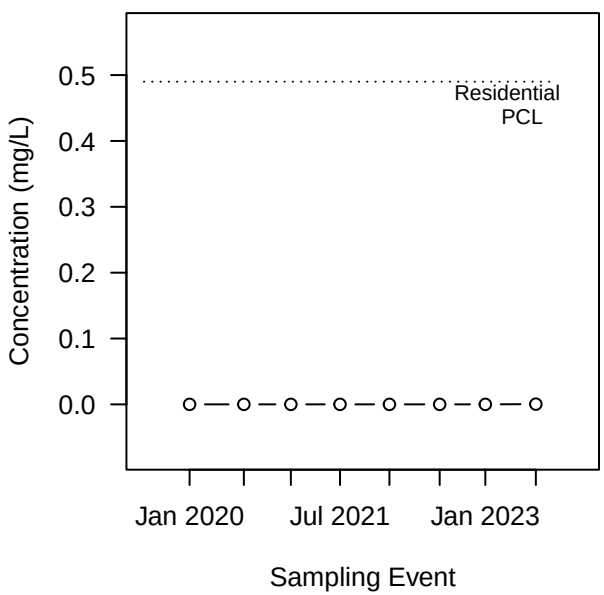
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−84A

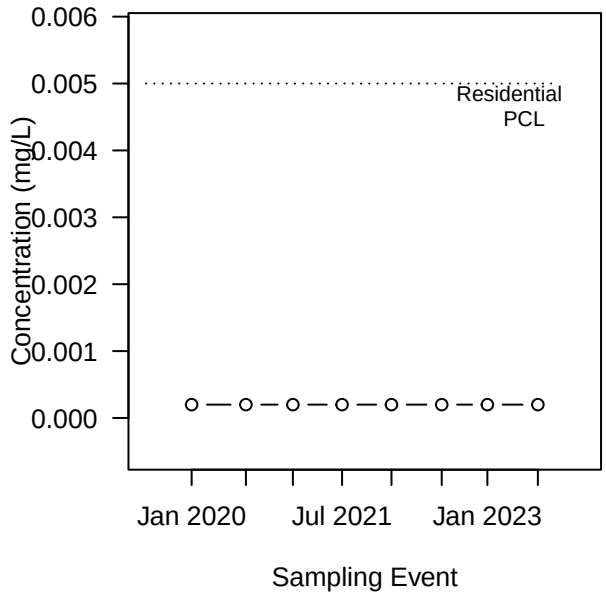
2−Methylnaphthalene (Det/N = 0/8)
Not evaluated − All NDs



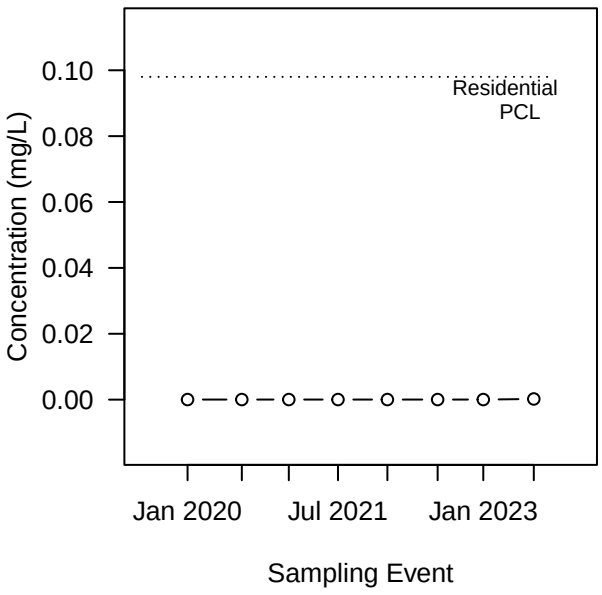
2,4−Dimethylphenol (Det/N = 0/8)
Not evaluated − All NDs



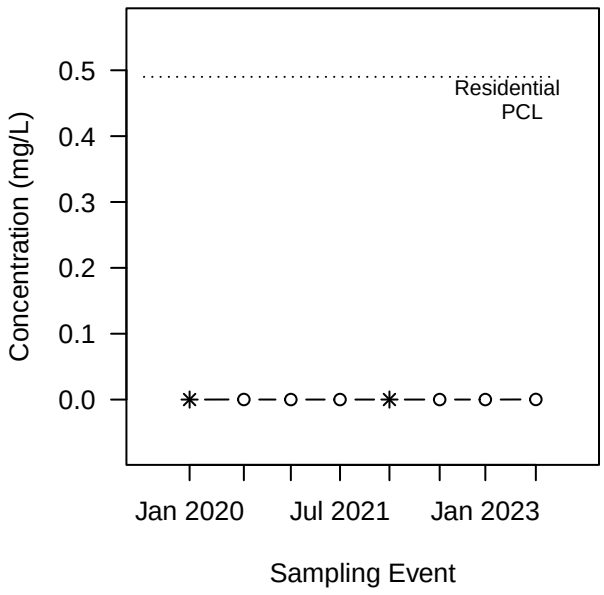
Benzene (Det/N = 0/8)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 0/8)
Not evaluated − All NDs



Naphthalene (Det/N = 2/8)
No Trend
(p−value=0.255 and CV=1.1)

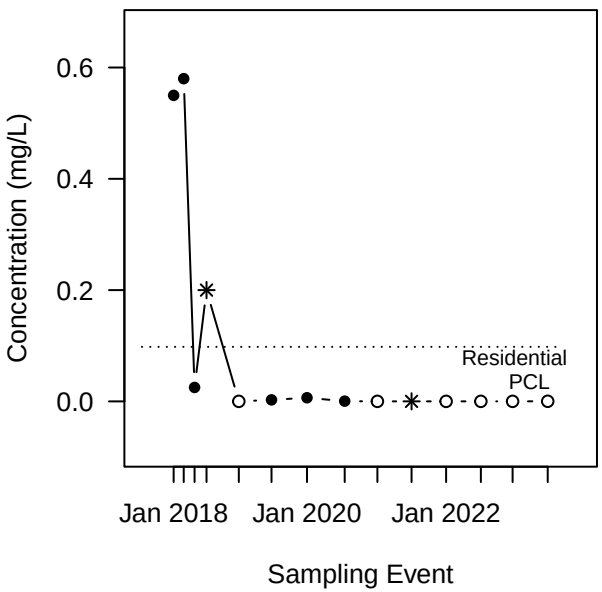


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

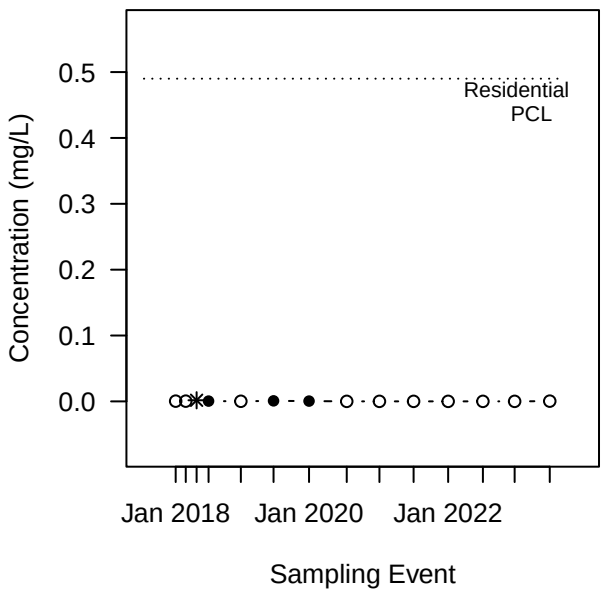
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−84B

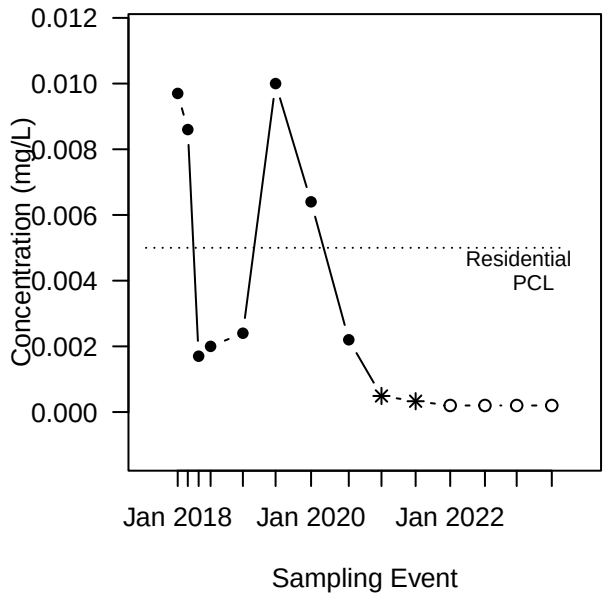
2−Methylnaphthalene (Det/N = 8/14)
Decreasing
(p−value=0.000367 and CV=2.1)



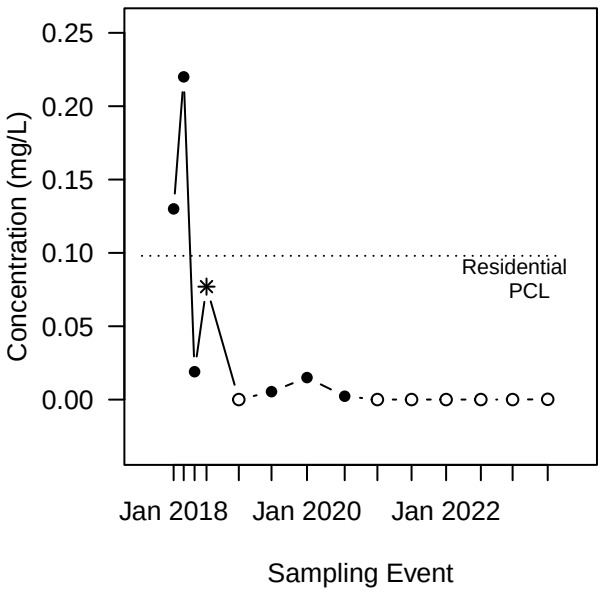
2,4−Dimethylphenol (Det/N = 4/14)
Probably Decreasing
(p−value=0.0634 and CV=1.3)



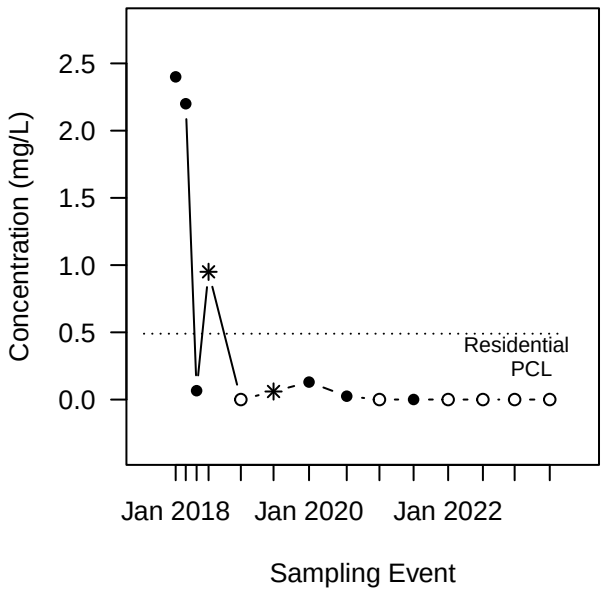
Benzene (Det/N = 10/14)
Decreasing
(p−value=0.000647 and CV=1.2)



Dibenzofuran (Det/N = 7/14)
Decreasing
(p−value=0.000403 and CV=2)



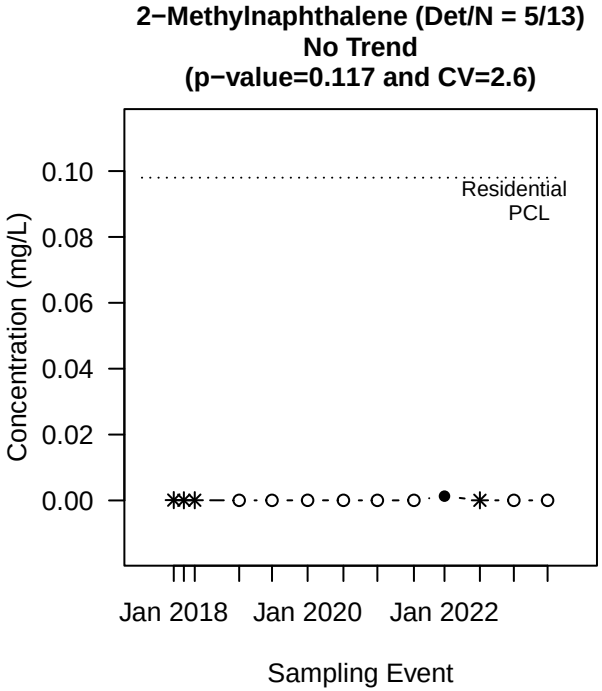
Naphthalene (Det/N = 8/14)
Decreasing
(p−value=0.000367 and CV=2)

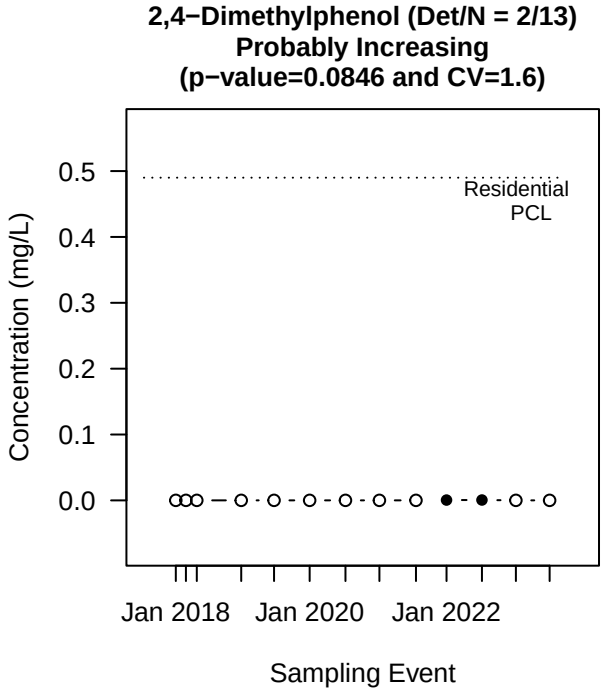


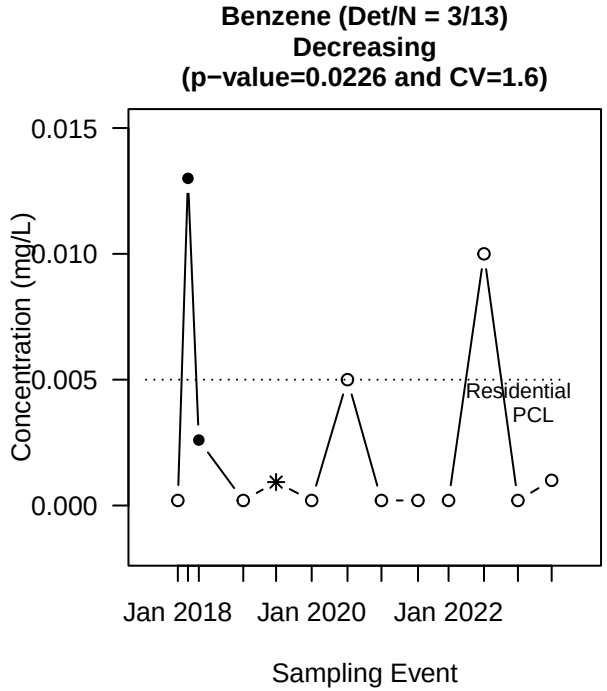
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

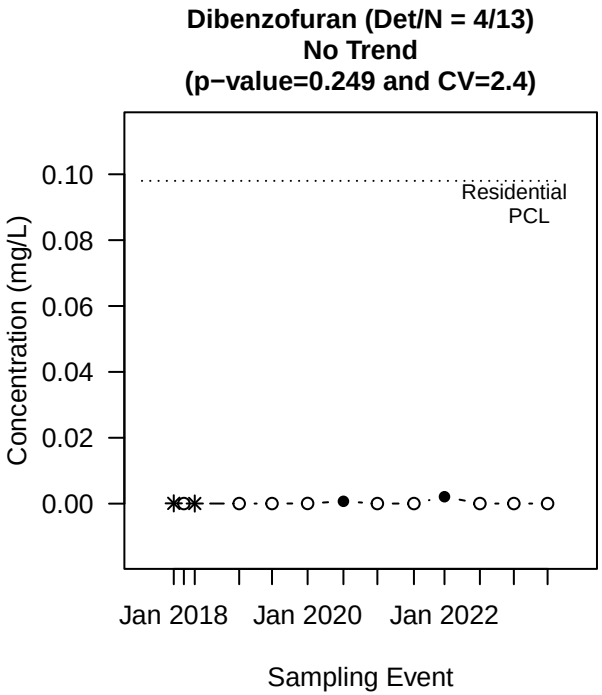
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

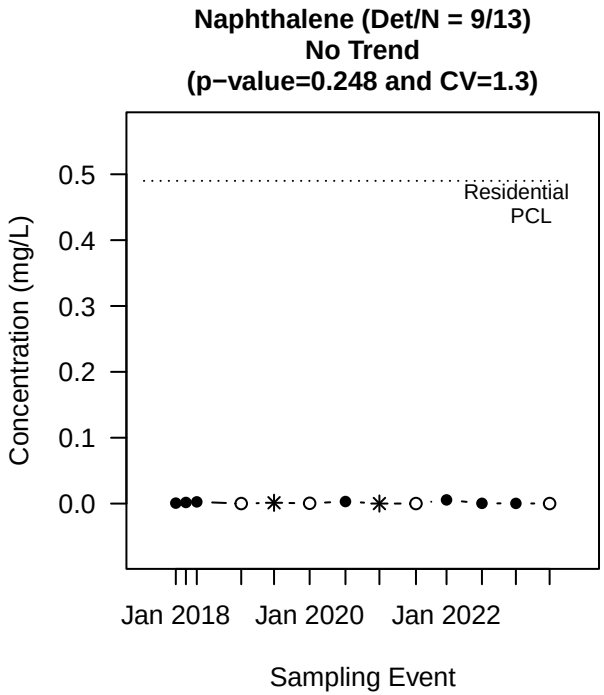
Mann−Kendall Trend Tests for MW−85C

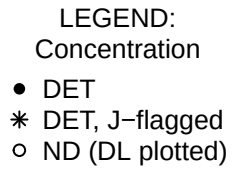






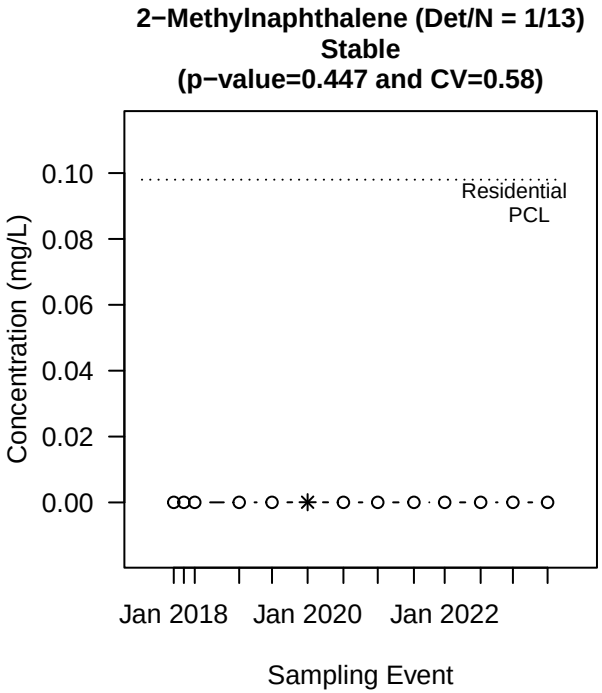


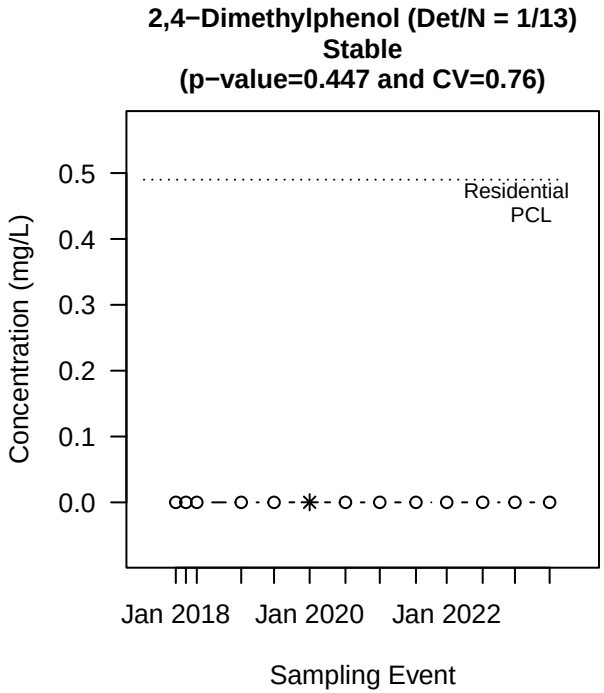


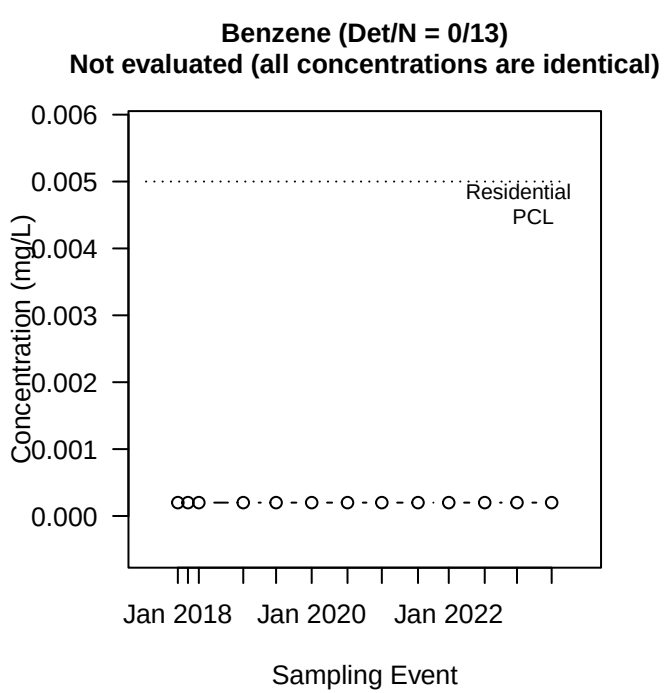


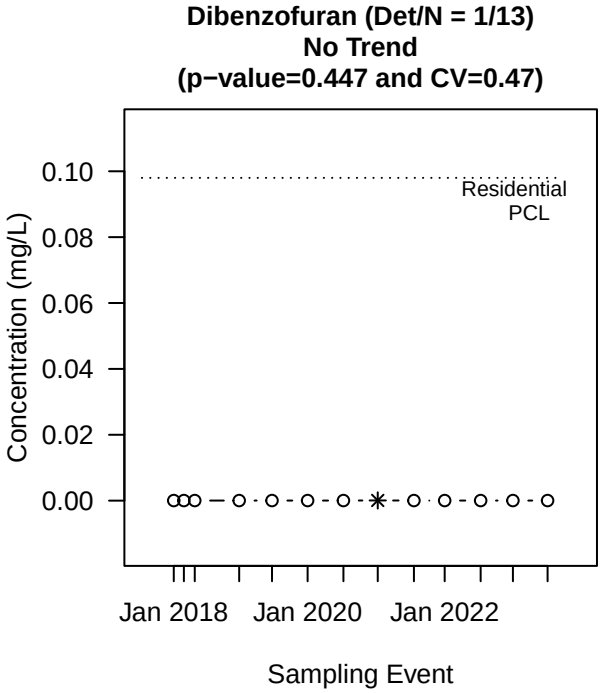
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

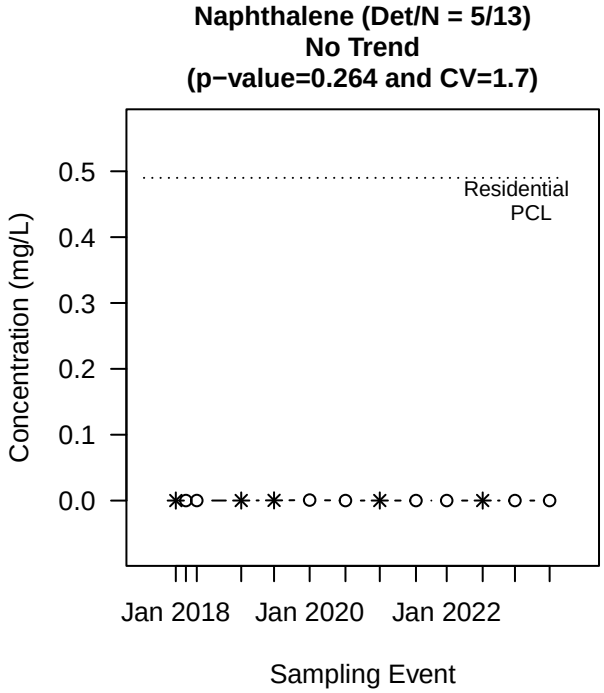
Mann−Kendall Trend Tests for MW−86C

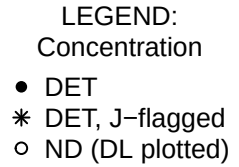






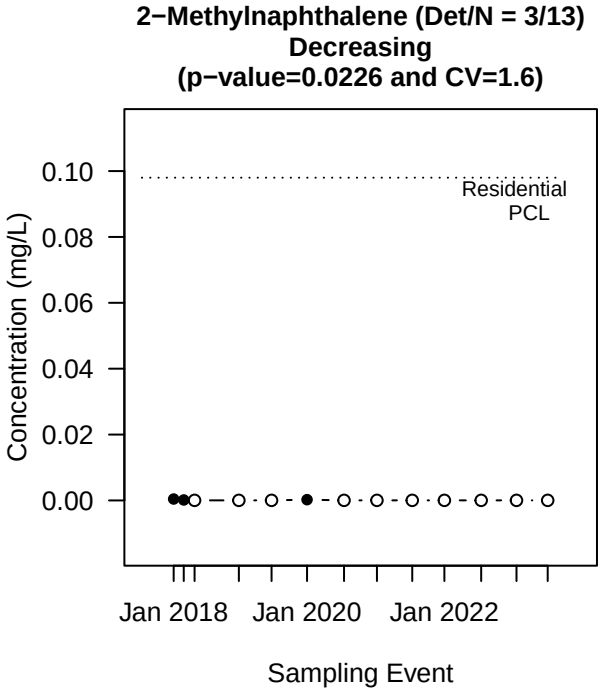


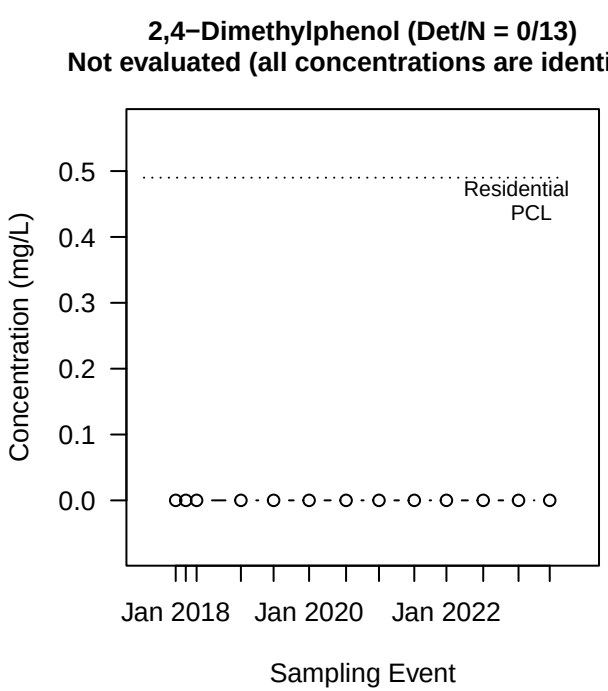


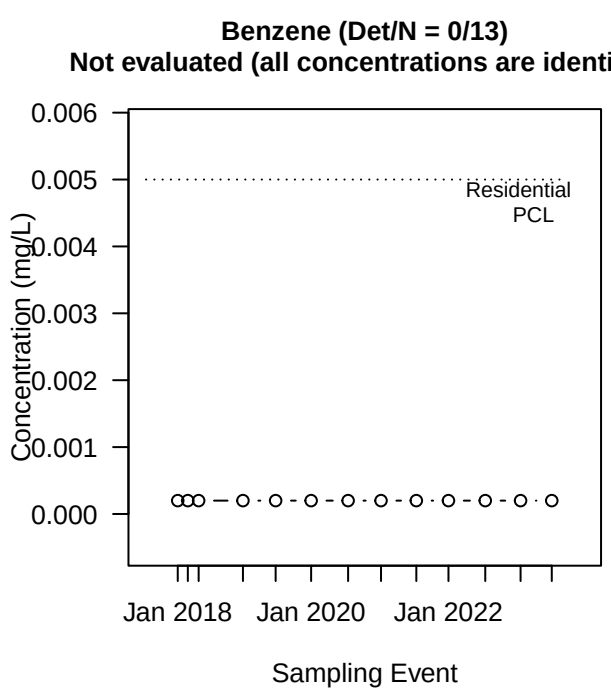


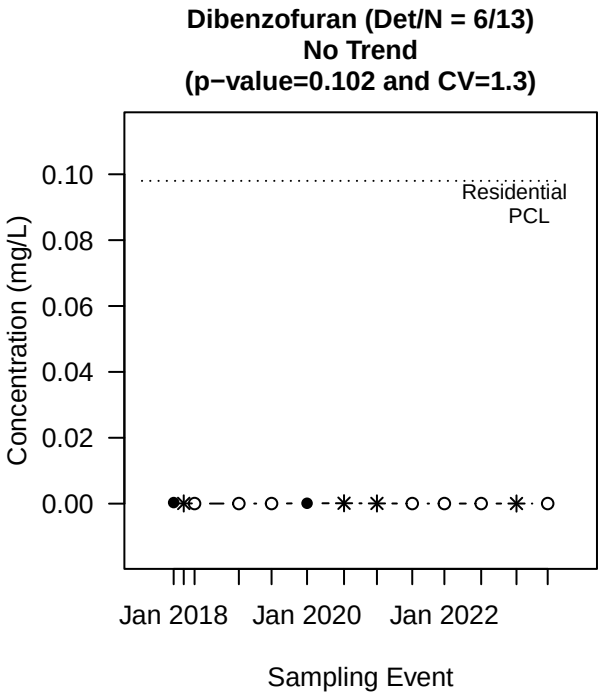
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

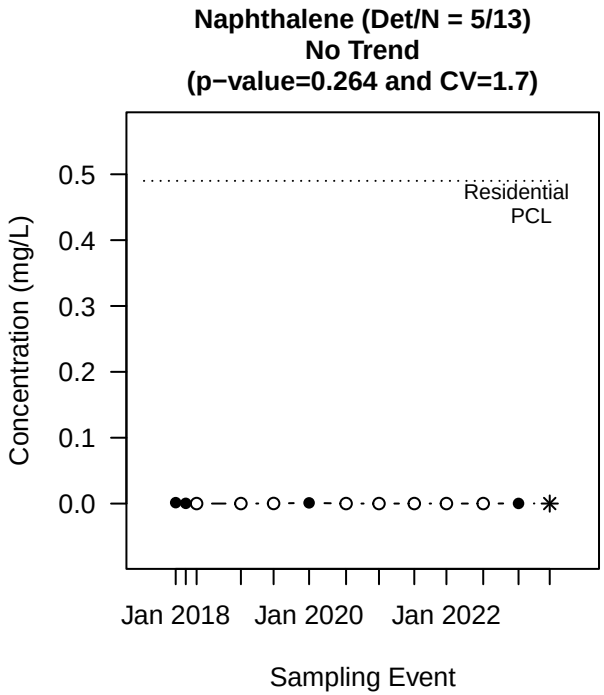
Mann−Kendall Trend Tests for MW−87C

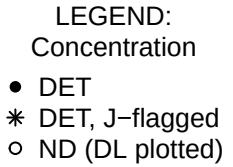






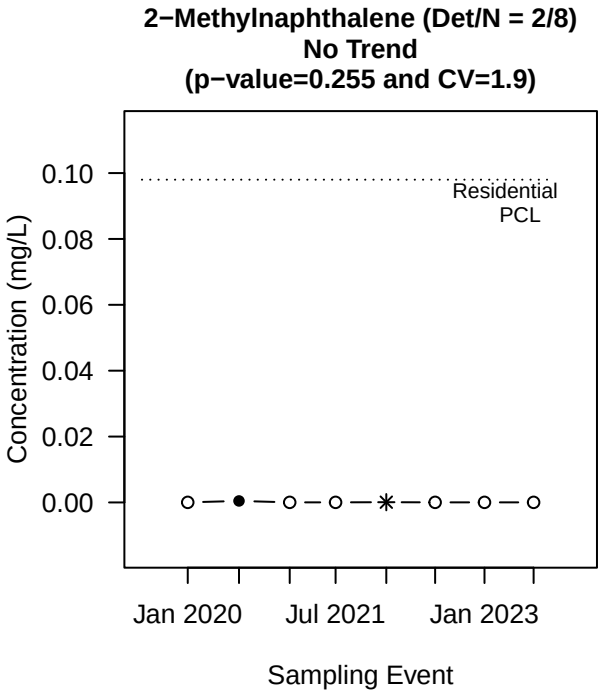


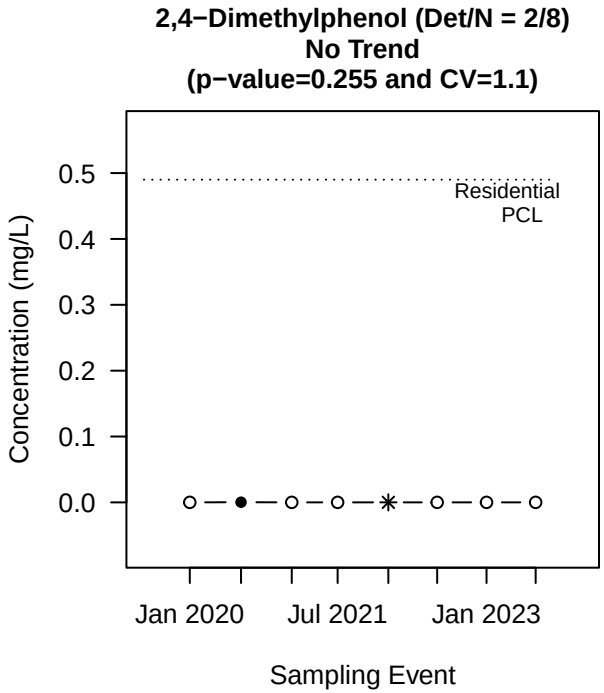


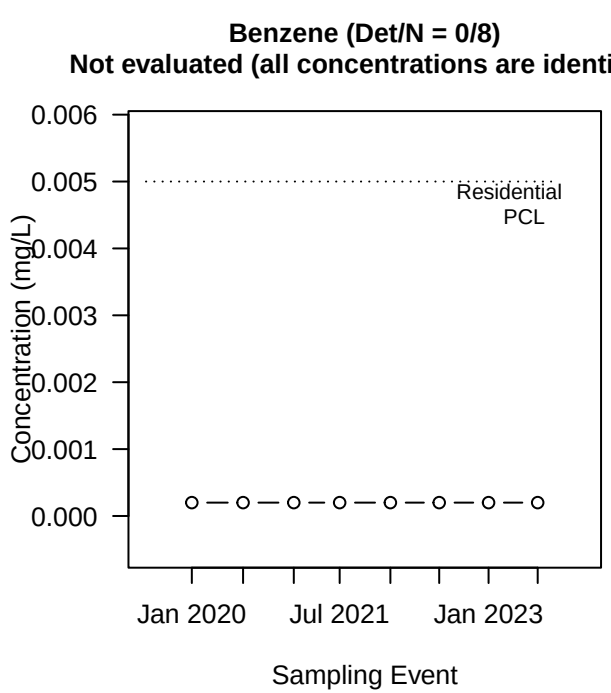


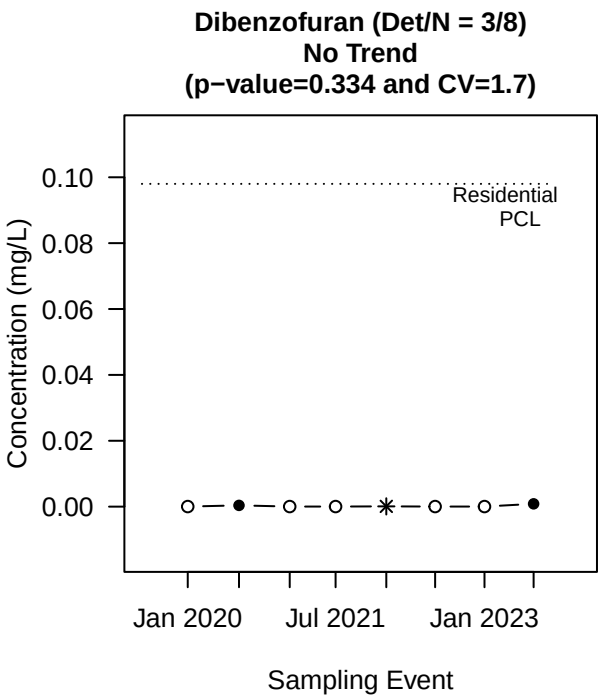
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

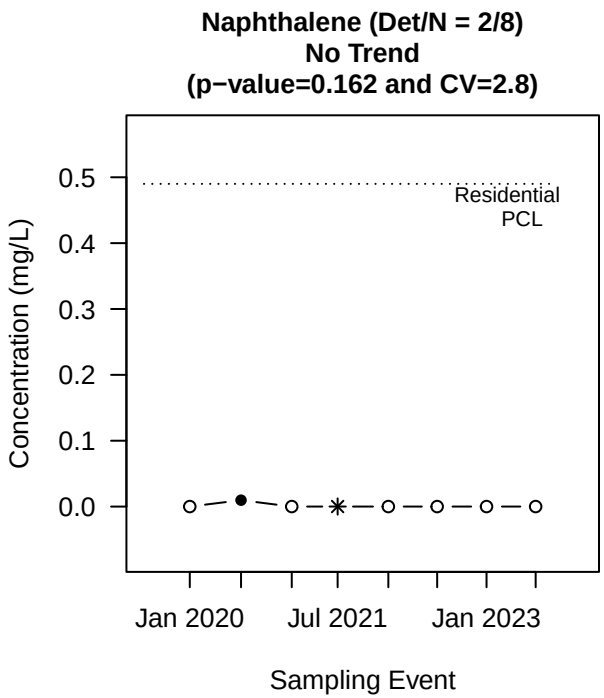
Mann−Kendall Trend Tests for MW−88A

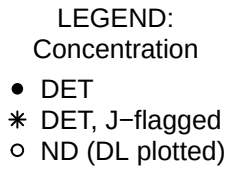








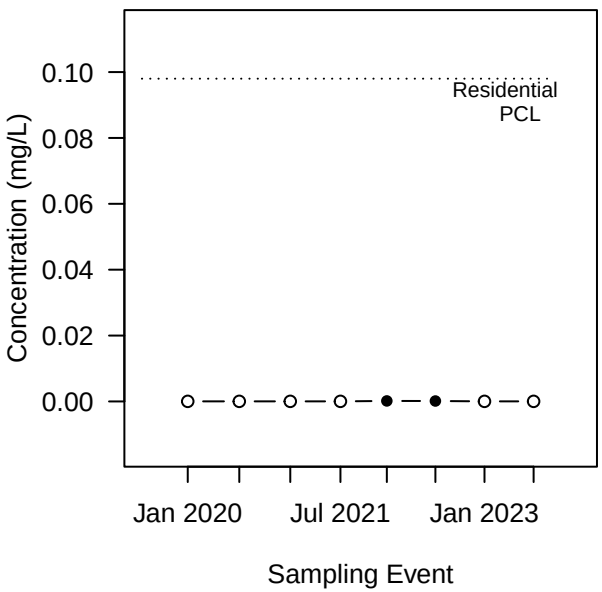




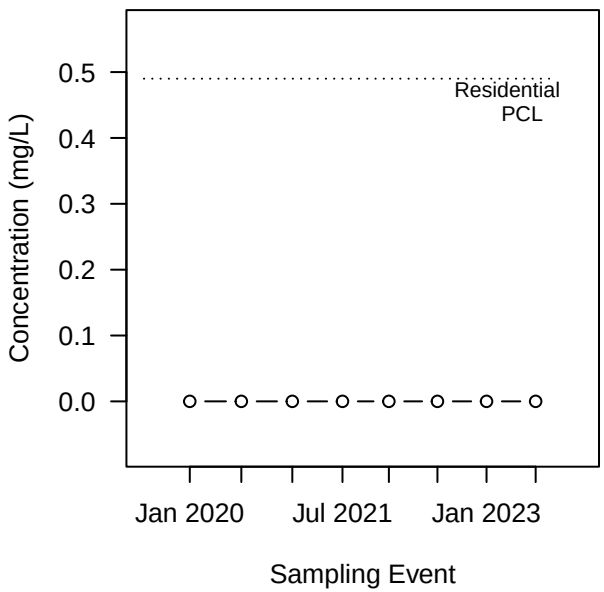
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−88B

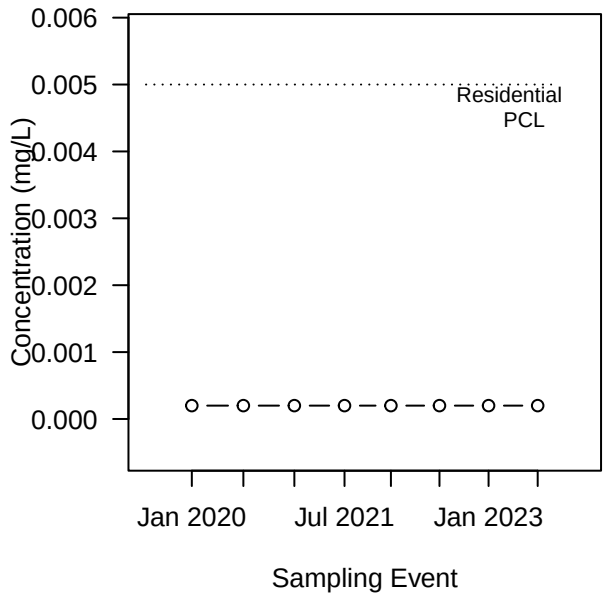
2−Methylnaphthalene (Det/N = 2/8)
No Trend
(p−value=0.371 and CV=1.1)



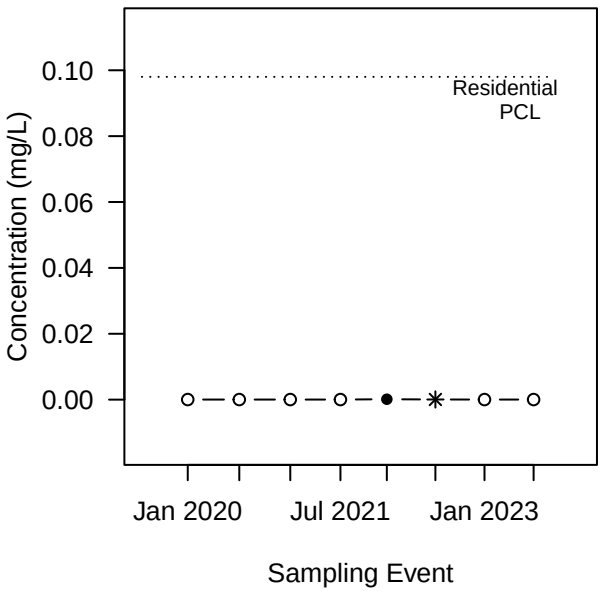
2,4−Dimethylphenol (Det/N = 0/8)
Not evaluated (all concentrations are identical)



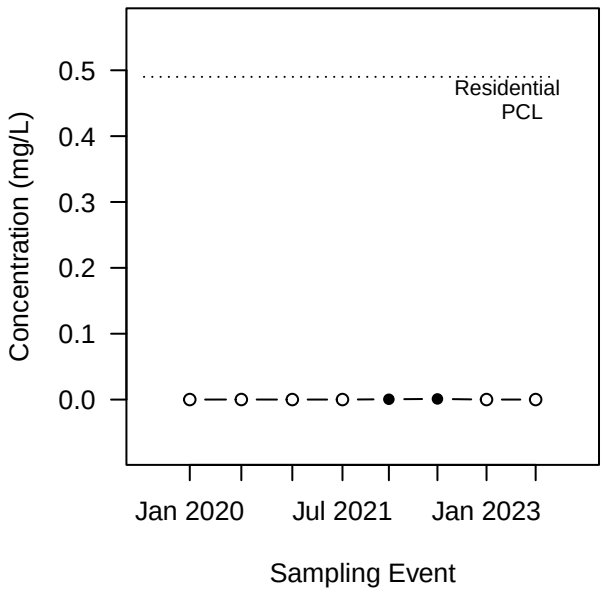
Benzene (Det/N = 0/8)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 2/8)
No Trend
(p−value=0.371 and CV=0.96)



Naphthalene (Det/N = 2/8)
No Trend
(p−value=0.255 and CV=1.7)

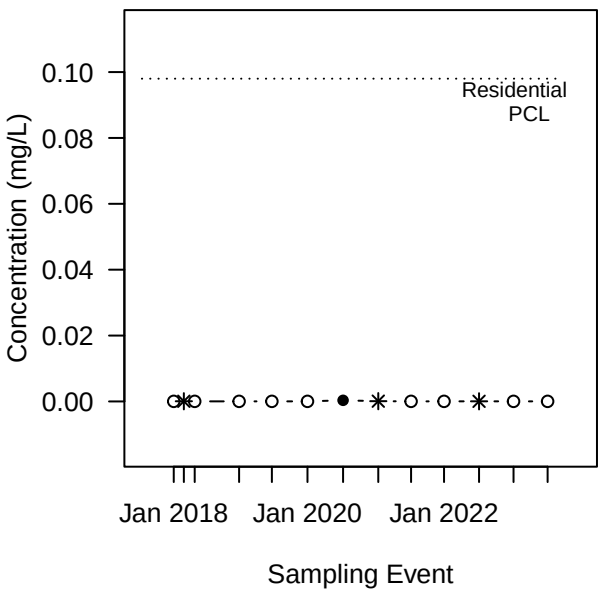


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

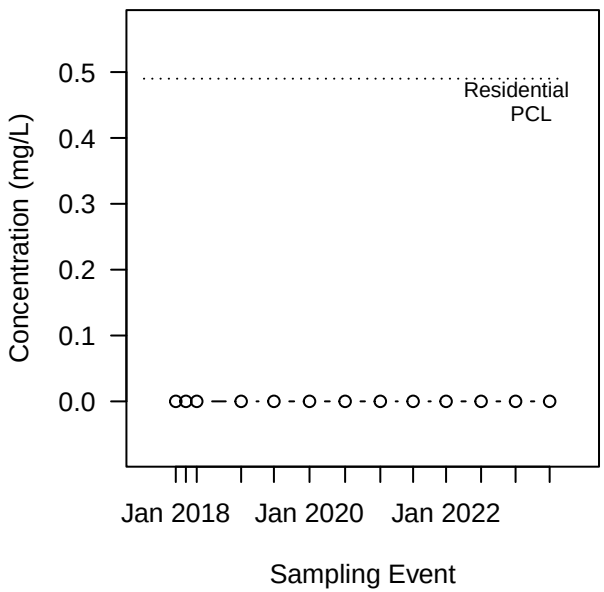
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−88C

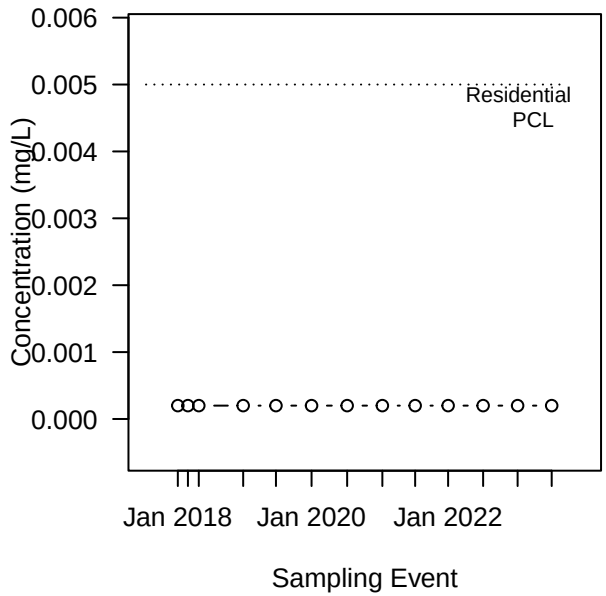
2−Methylnaphthalene (Det/N = 4/13)
No Trend
(p−value=0.47 and CV=1.7)



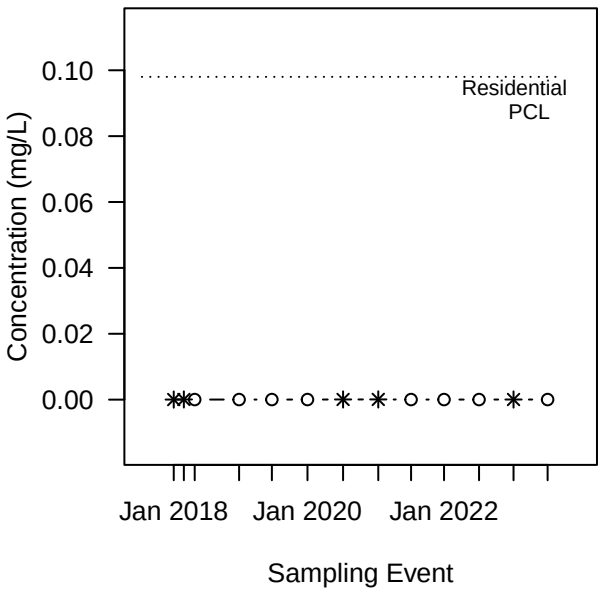
2,4−Dimethylphenol (Det/N = 0/13)
Not evaluated (all concentrations are identical)



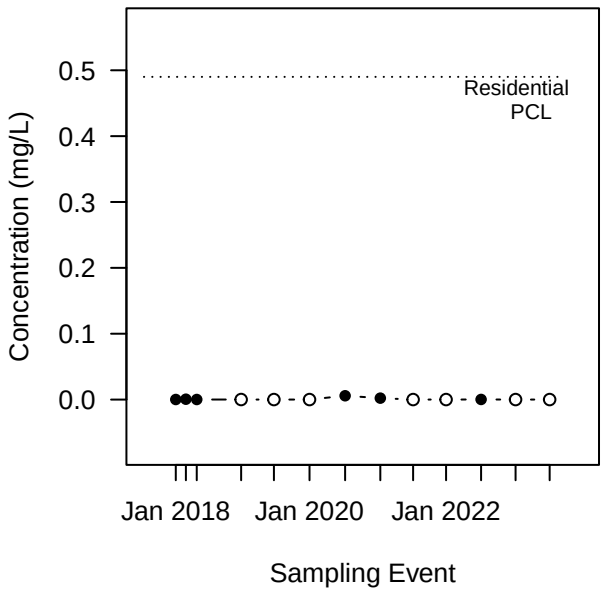
Benzene (Det/N = 0/13)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 5/13)
Stable
(p−value=0.312 and CV=0.54)



Naphthalene (Det/N = 6/13)
No Trend
(p−value=0.158 and CV=2.3)

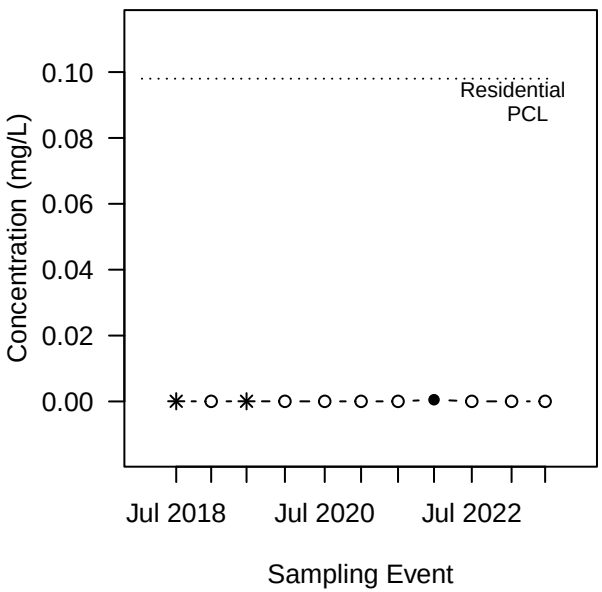


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

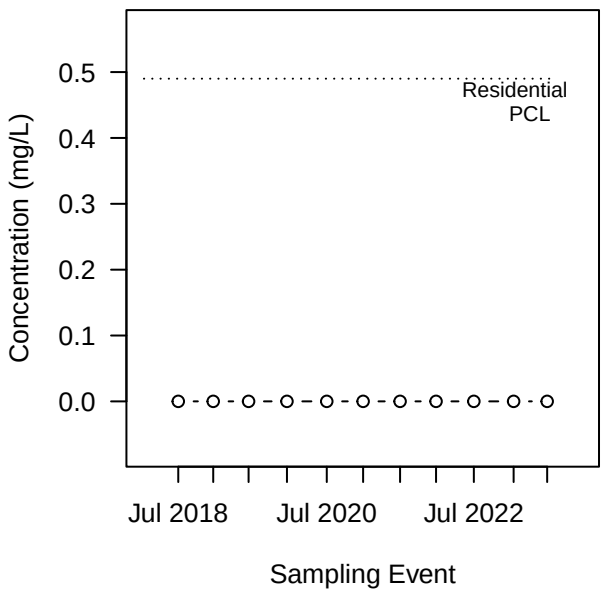
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−89B

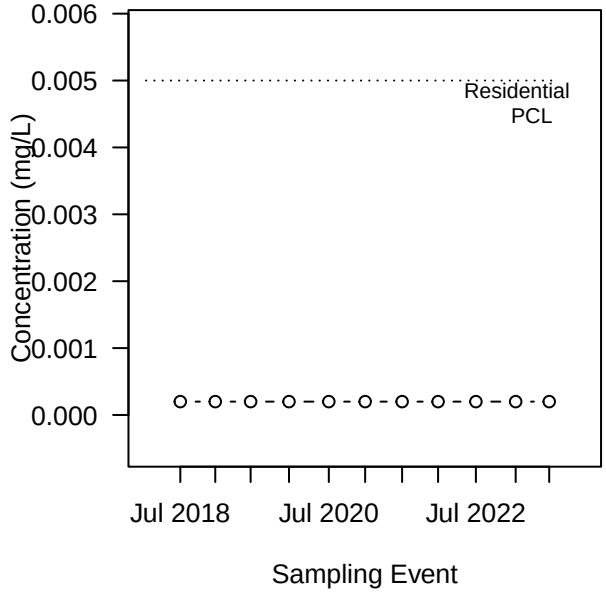
2−Methylnaphthalene (Det/N = 3/11)
No Trend
(p−value=0.158 and CV=2.1)



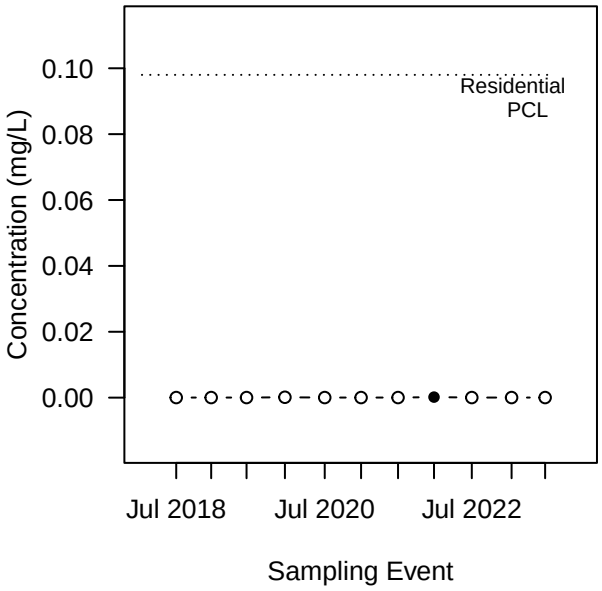
2,4−Dimethylphenol (Det/N = 0/11)
Not evaluated (all concentrations are identical)



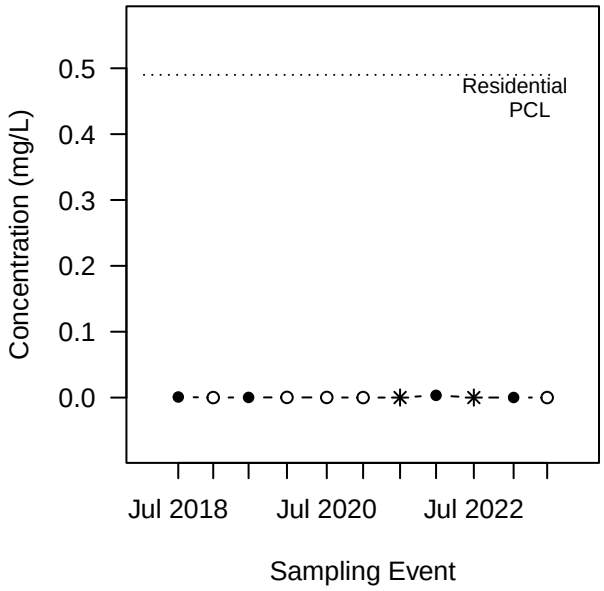
Benzene (Det/N = 0/11)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/11)
No Trend
(p−value=0.318 and CV=1.2)



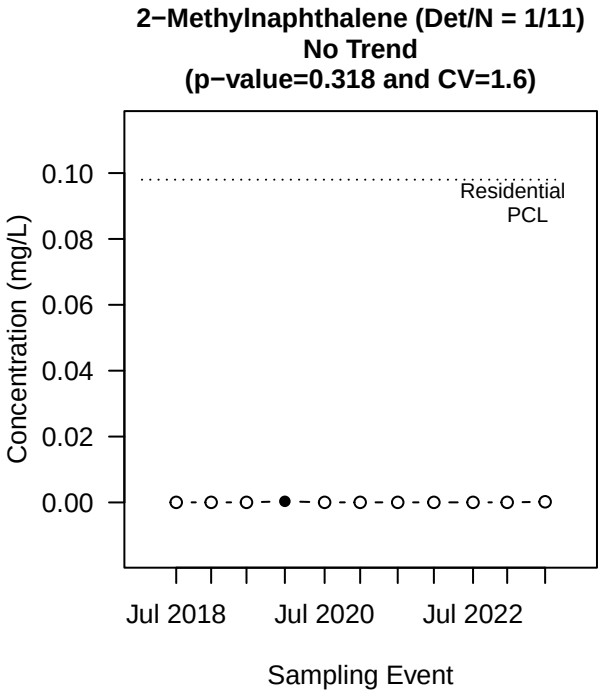
Naphthalene (Det/N = 6/11)
No Trend
(p−value=0.5 and CV=2.1)

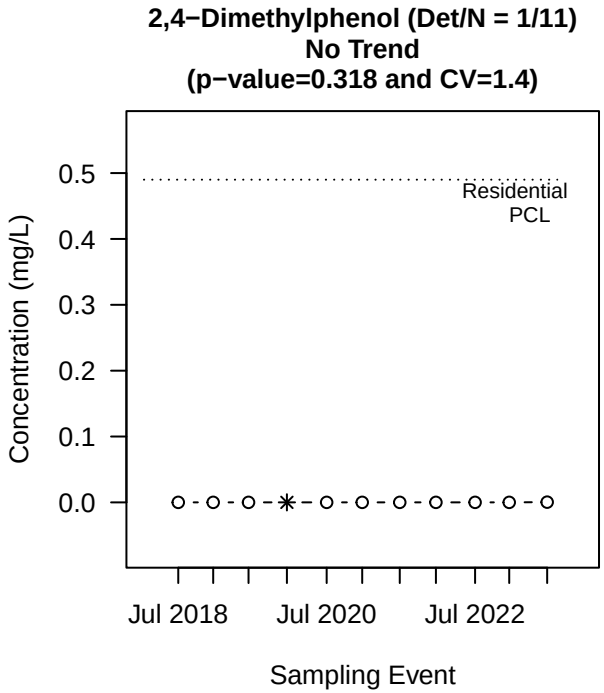


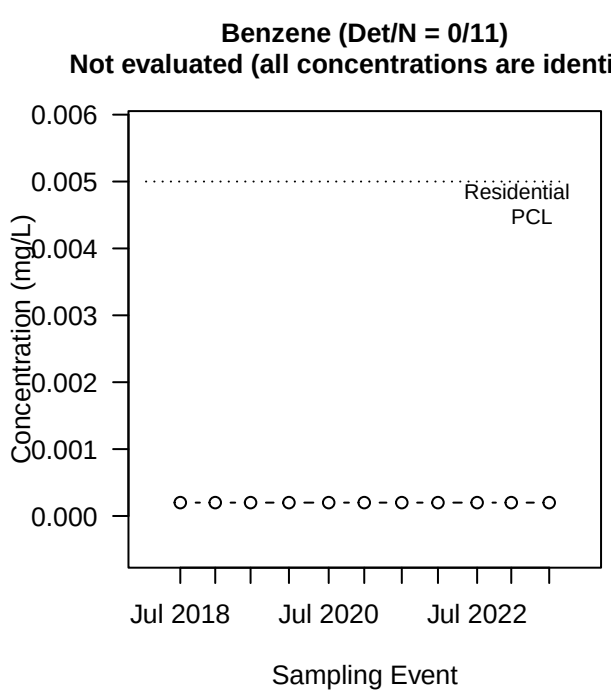
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

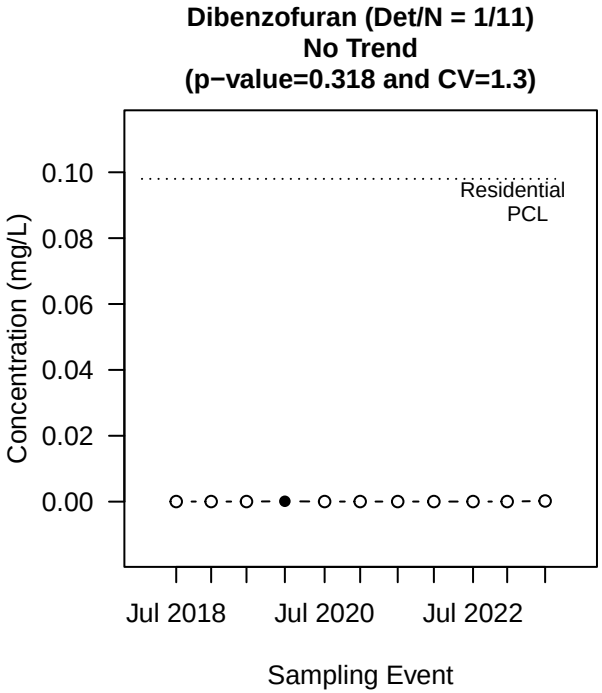
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

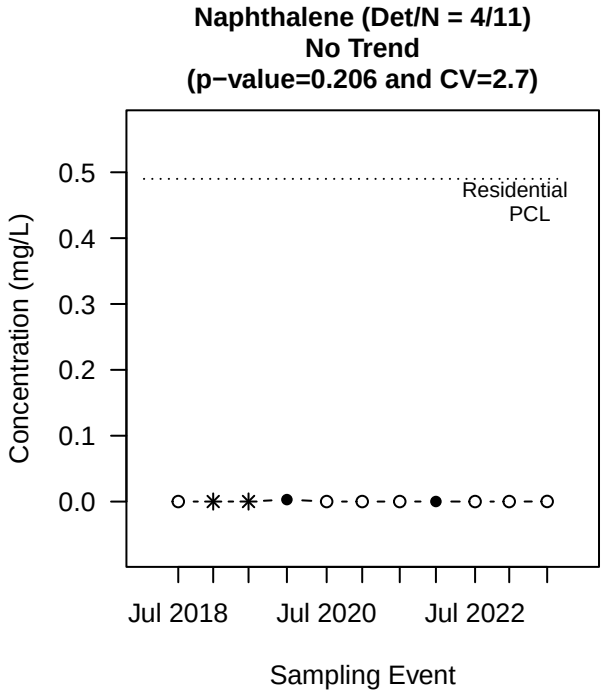
Mann−Kendall Trend Tests for MW−90B

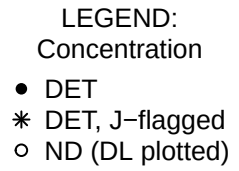






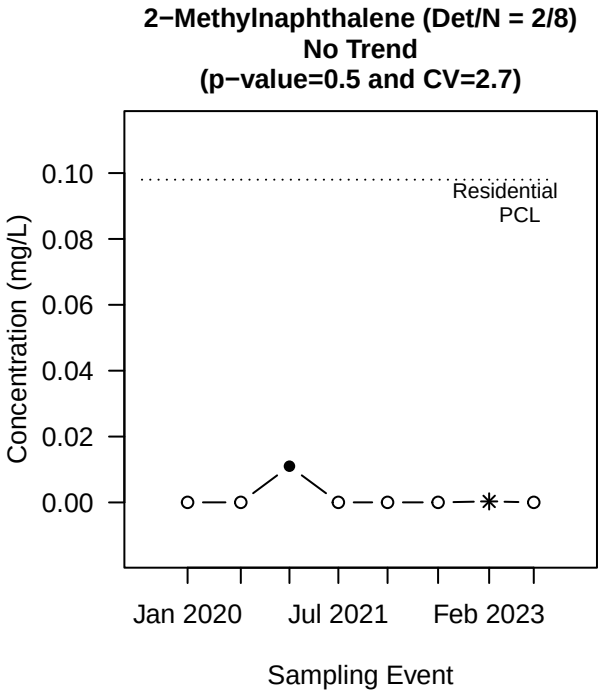


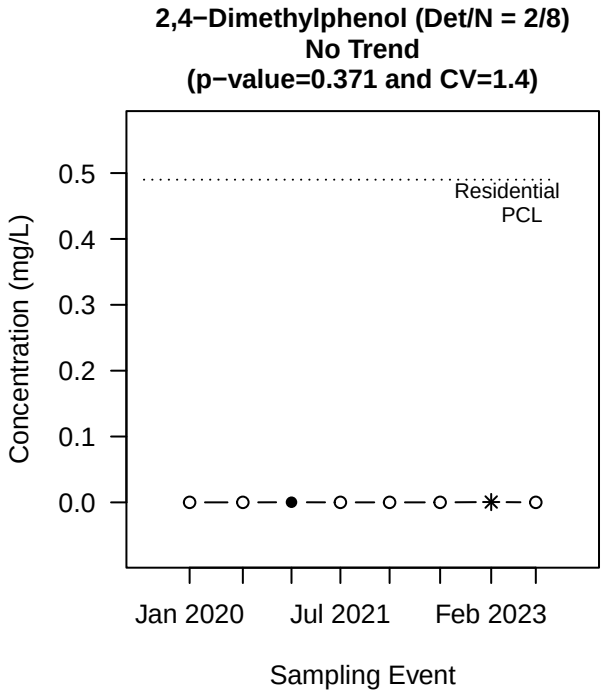


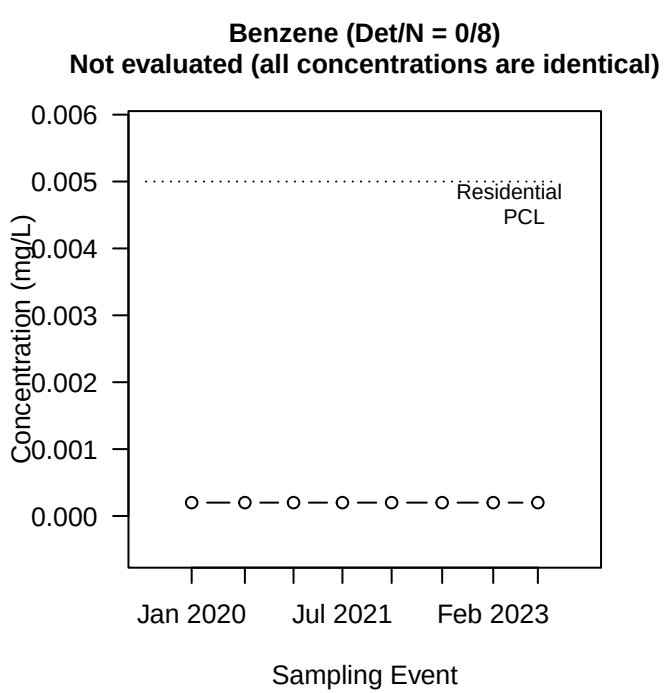


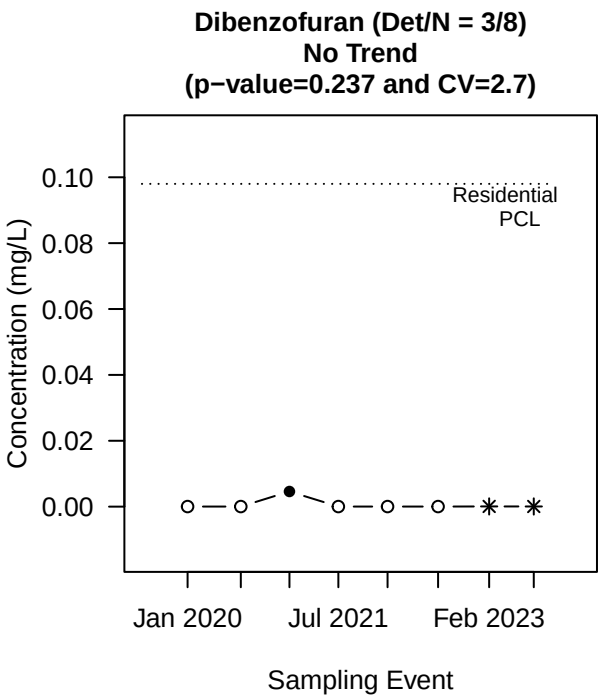
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

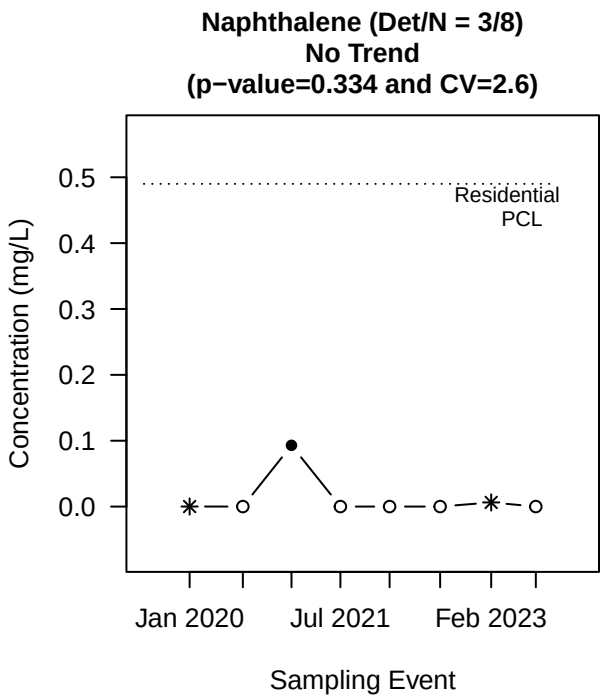
Mann−Kendall Trend Tests for MW−91A

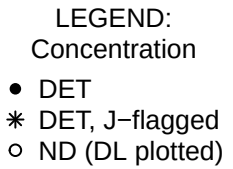








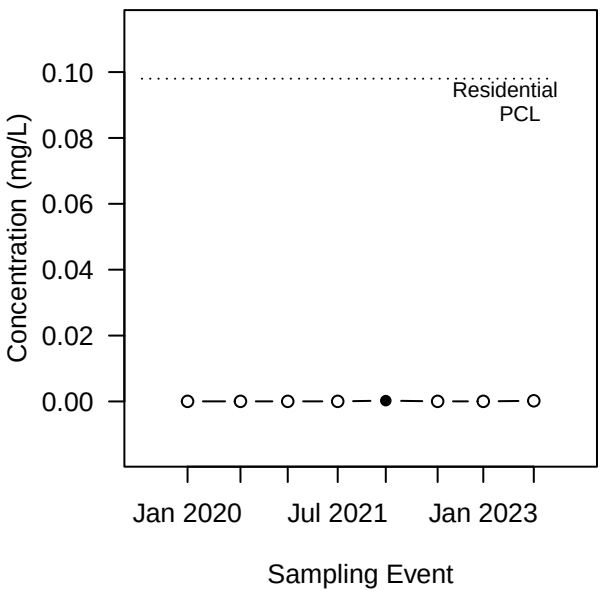




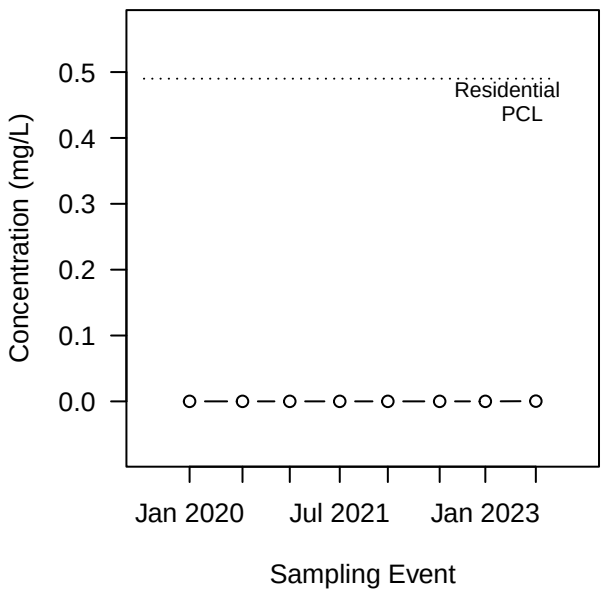
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−92B

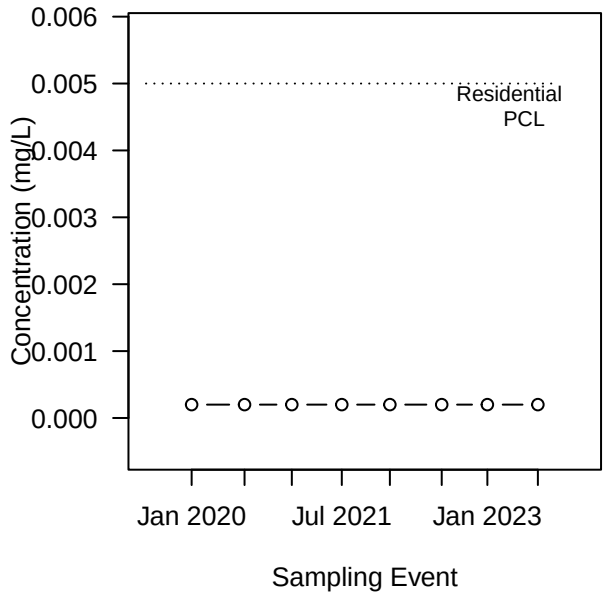
2−Methylnaphthalene (Det/N = 1/8)
No Trend
(p−value=0.5 and CV=1.3)



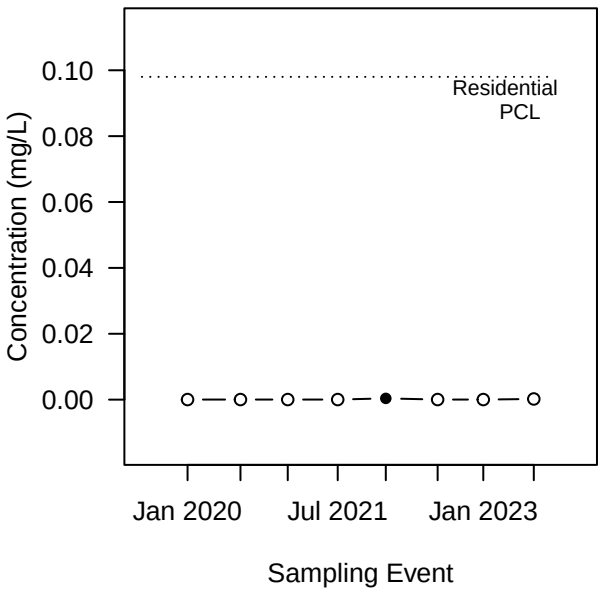
2,4−Dimethylphenol (Det/N = 0/8)
Not evaluated − All NDs



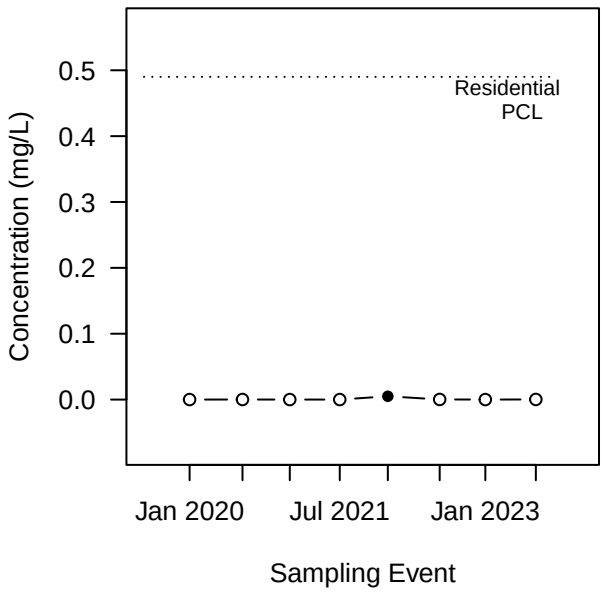
Benzene (Det/N = 0/8)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/8)
No Trend
(p−value=0.5 and CV=1.5)



Naphthalene (Det/N = 1/8)
No Trend
(p−value=0.5 and CV=2.5)

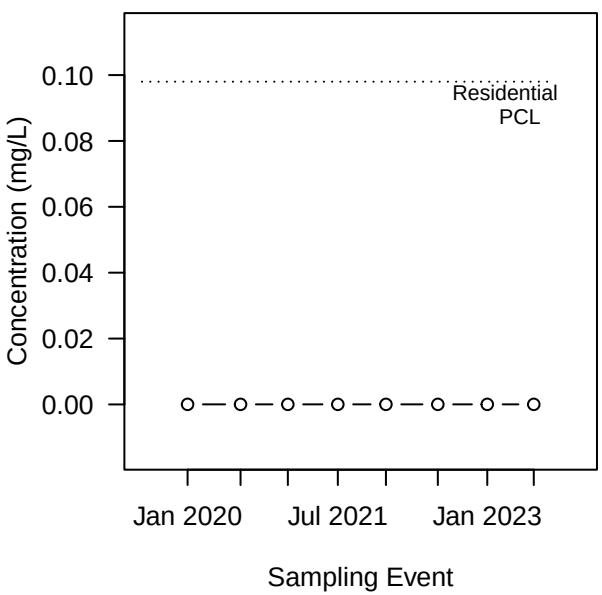


LEGEND:
Concentration
- DET
- ND (DL plotted)

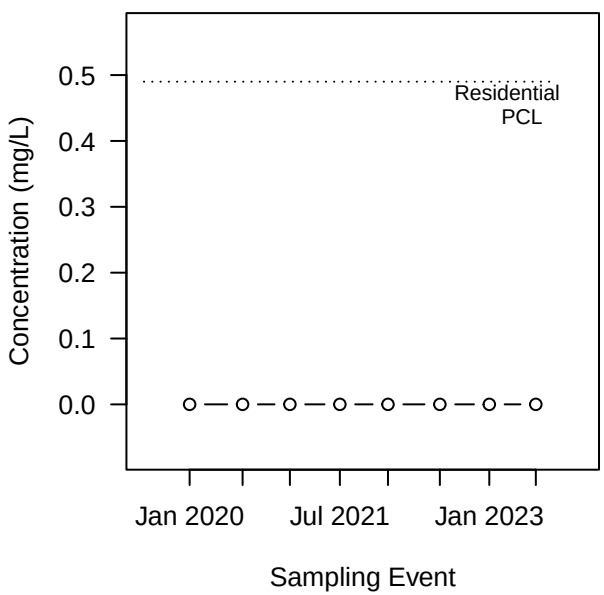
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−93B

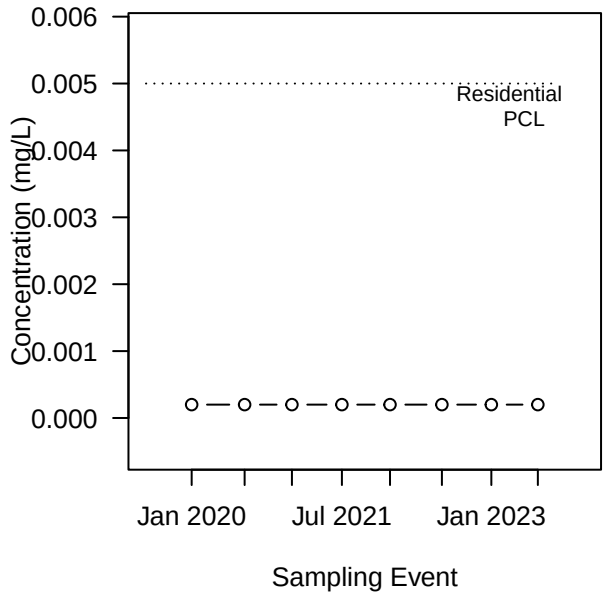
2−Methylnaphthalene (Det/N = 0/8)
Not evaluated (all concentrations are identical)



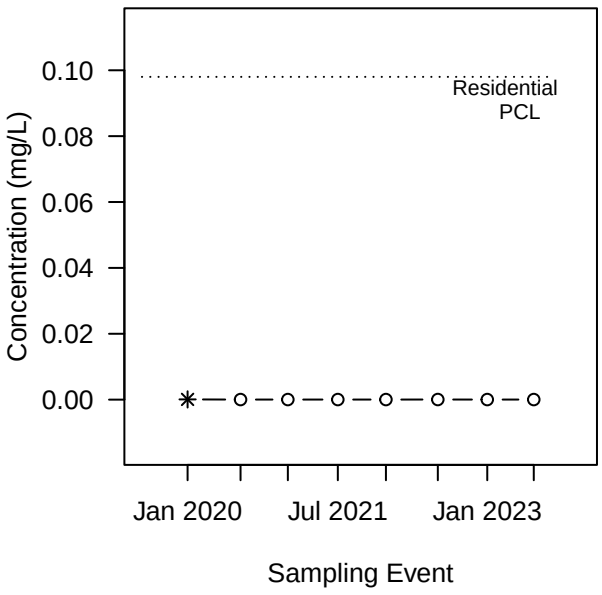
2,4−Dimethylphenol (Det/N = 0/8)
Not evaluated − All NDs



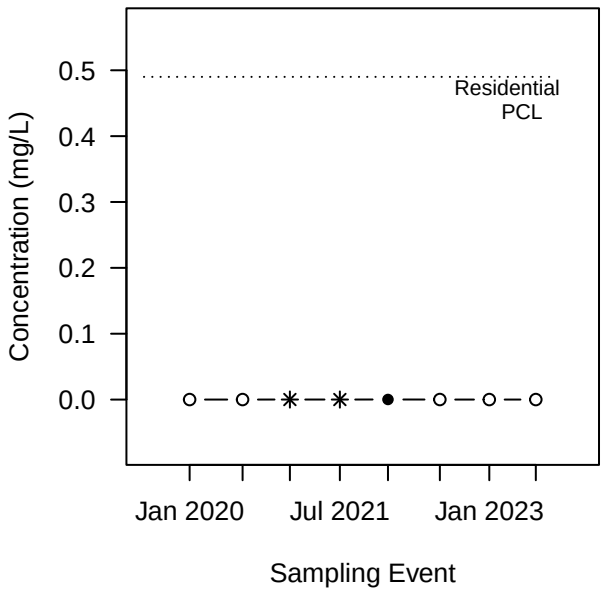
Benzene (Det/N = 0/8)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/8)
Probably Decreasing
(p−value=0.0952 and CV=0.64)



Naphthalene (Det/N = 3/8)
Stable
(p−value=0.443 and CV=0.8)

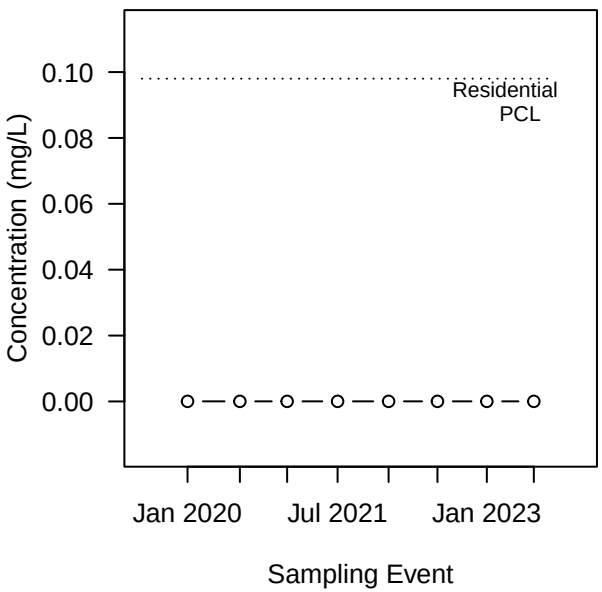


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

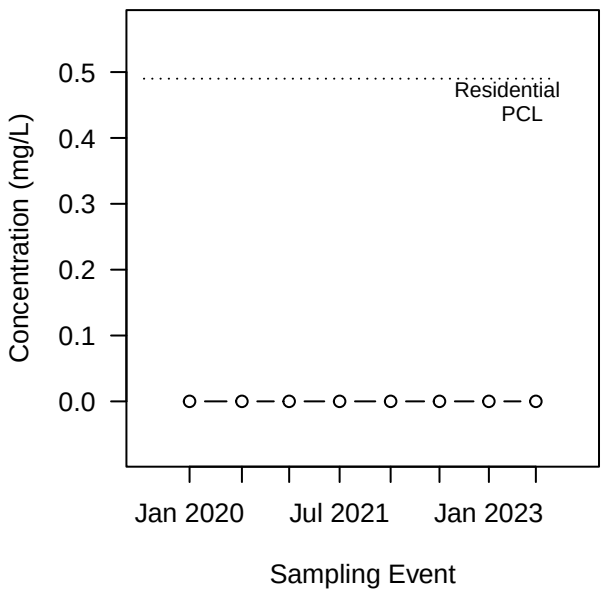
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−94A

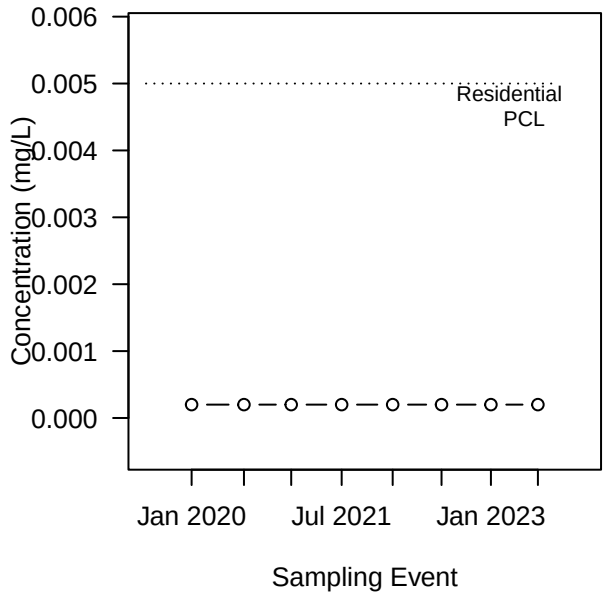
2−Methylnaphthalene (Det/N = 0/8)
Not evaluated − All NDs



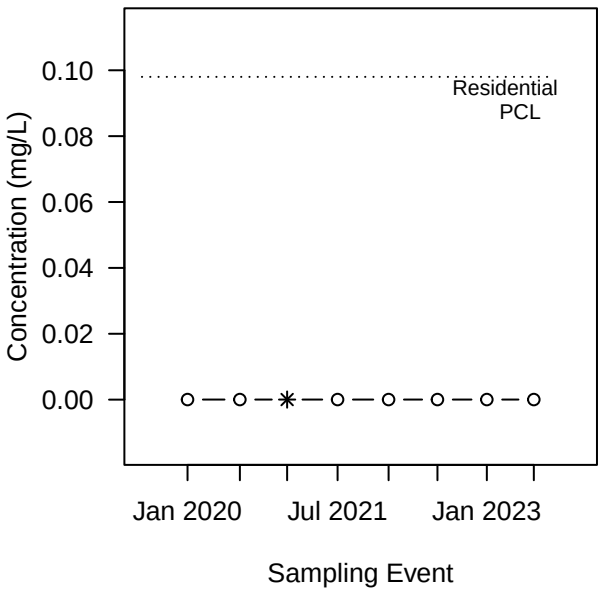
2,4−Dimethylphenol (Det/N = 0/8)
Not evaluated − All NDs



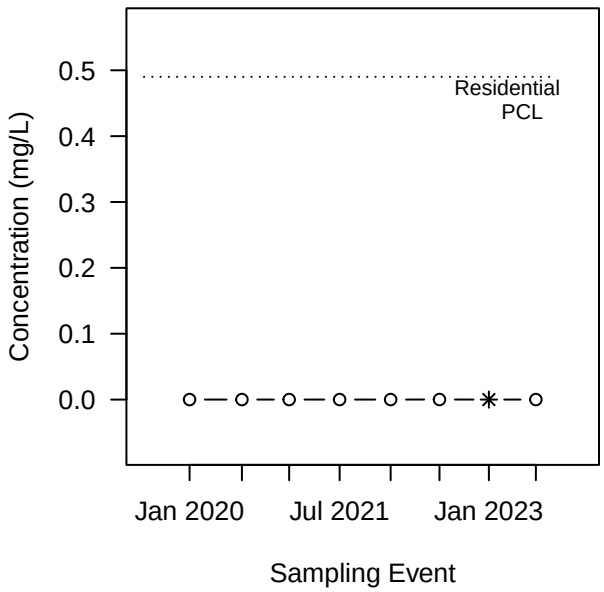
Benzene (Det/N = 0/8)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 1/8)
Stable
(p−value=0.331 and CV=0.023)



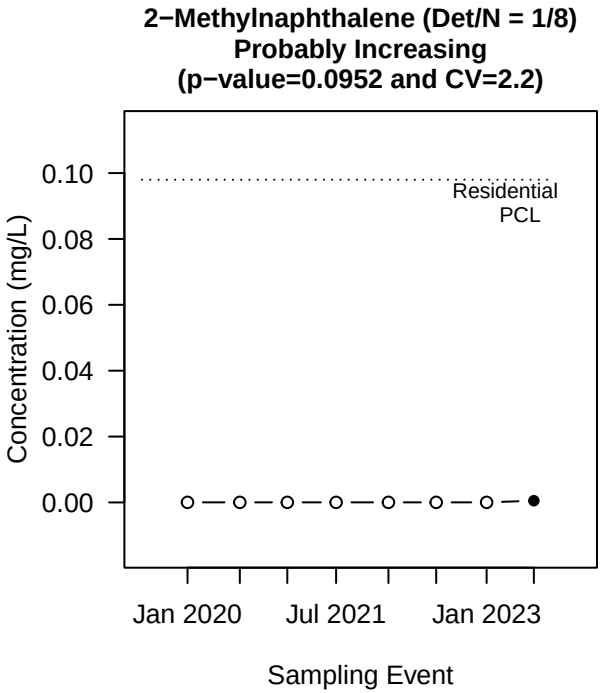
Naphthalene (Det/N = 1/8)
No Trend
(p−value=0.191 and CV=0.92)

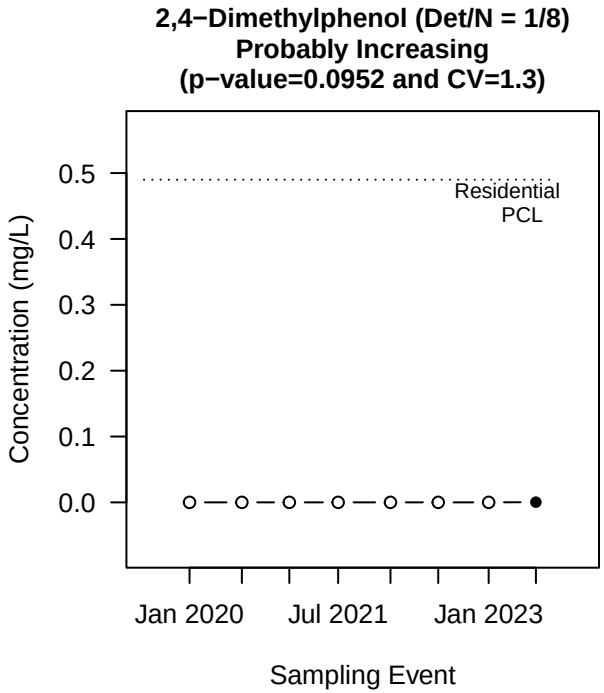


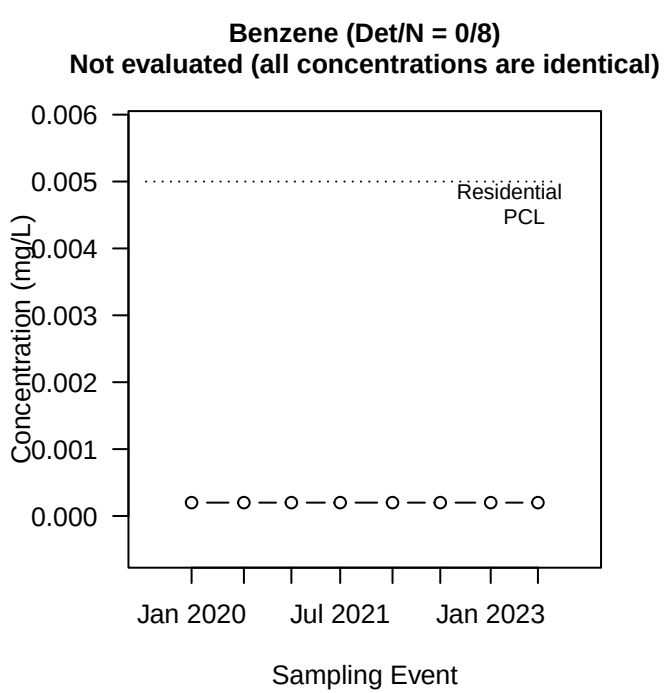
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

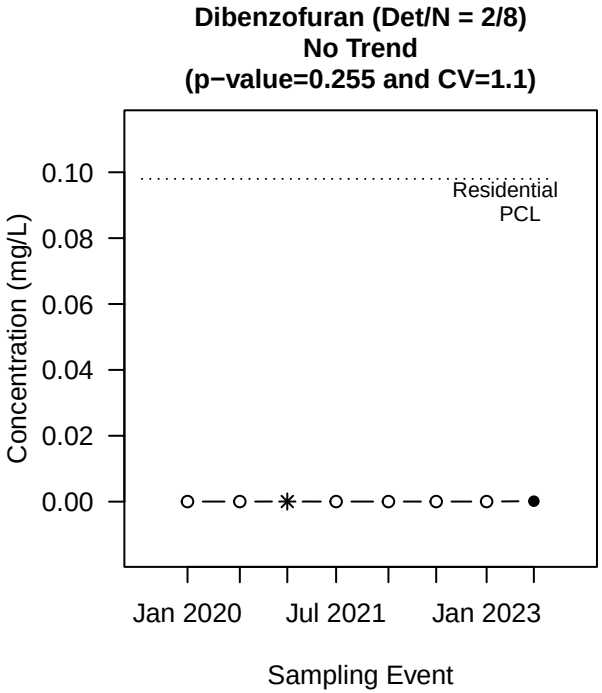
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

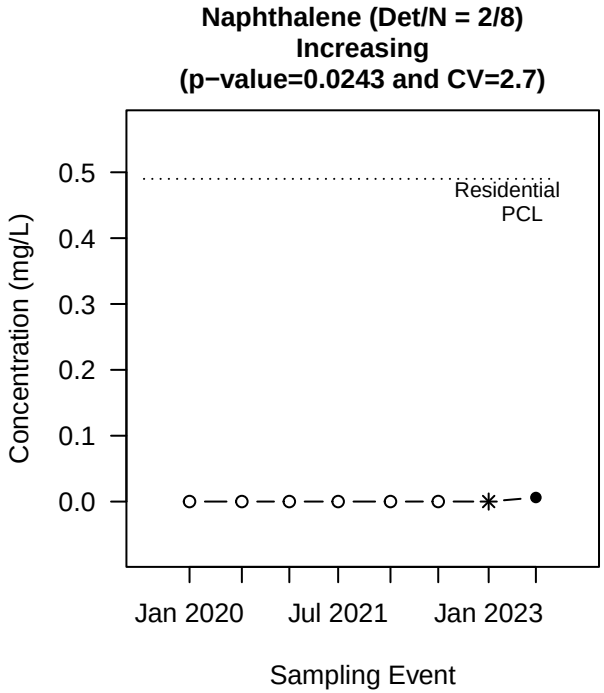
Mann−Kendall Trend Tests for MW−95A

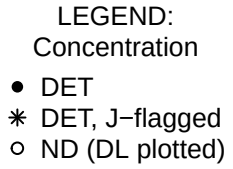






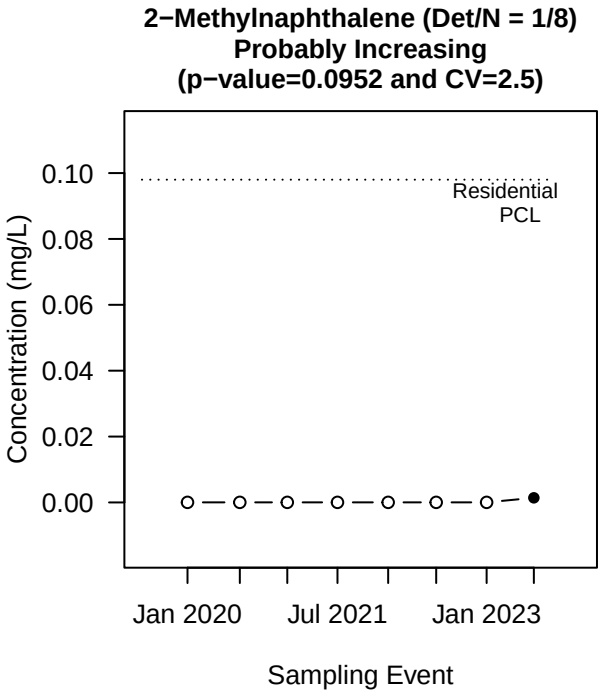


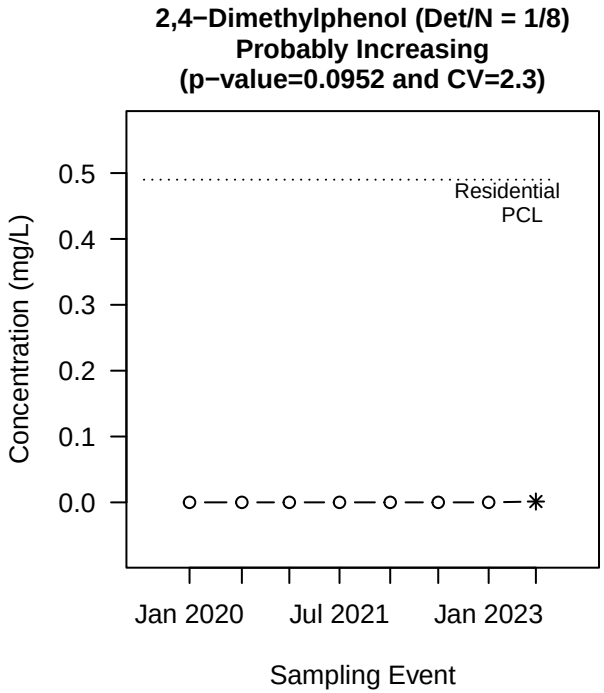


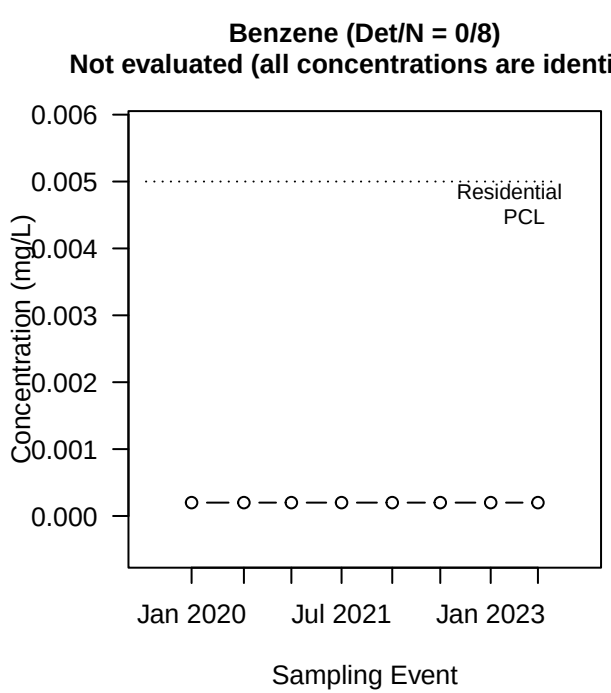


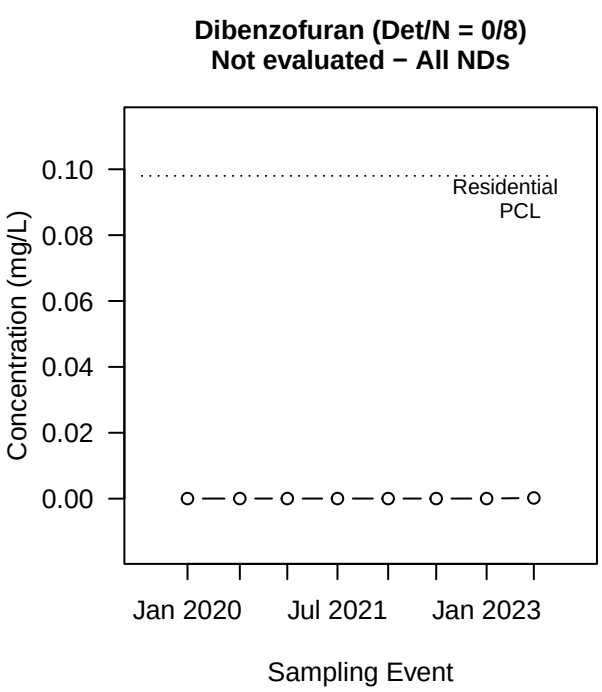
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

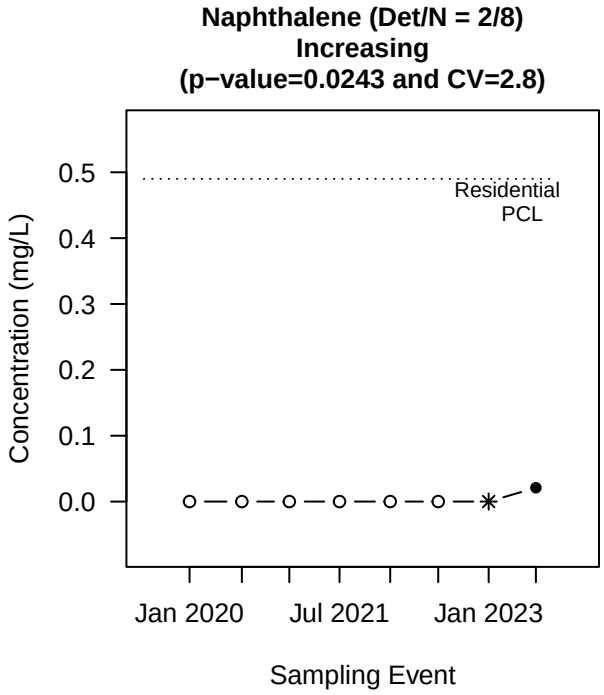
Mann−Kendall Trend Tests for MW−96B

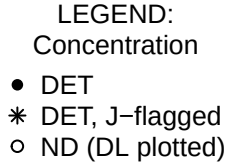








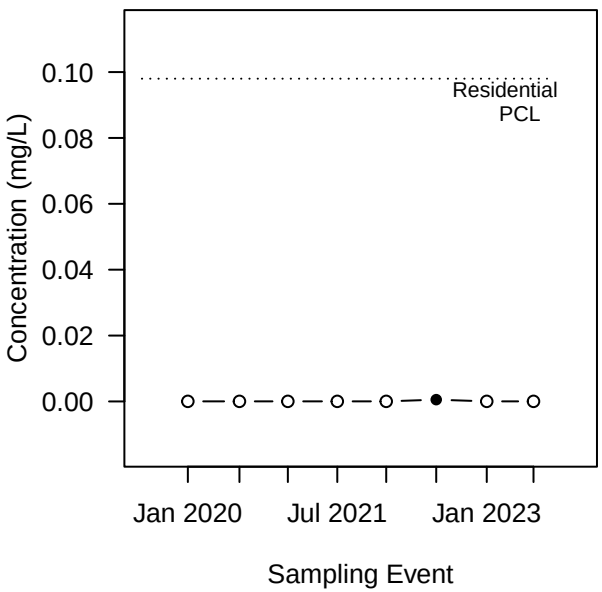




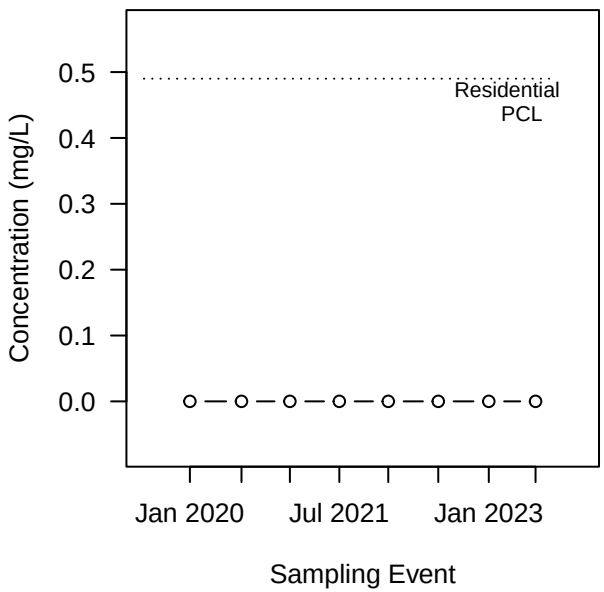
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−97A

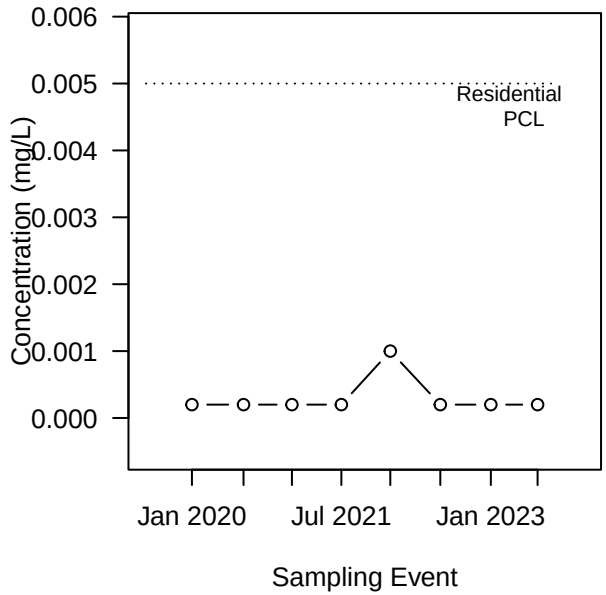
2−Methylnaphthalene (Det/N = 1/8)
No Trend
(p−value=0.331 and CV=2.2)



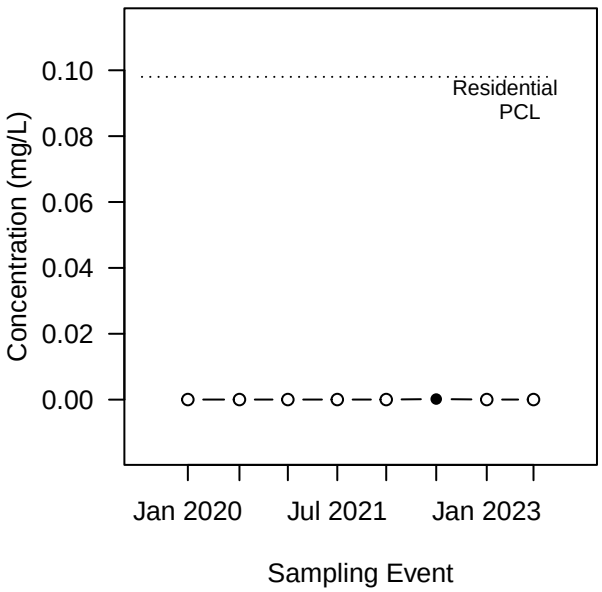
2,4−Dimethylphenol (Det/N = 0/8)
Not evaluated − All NDs



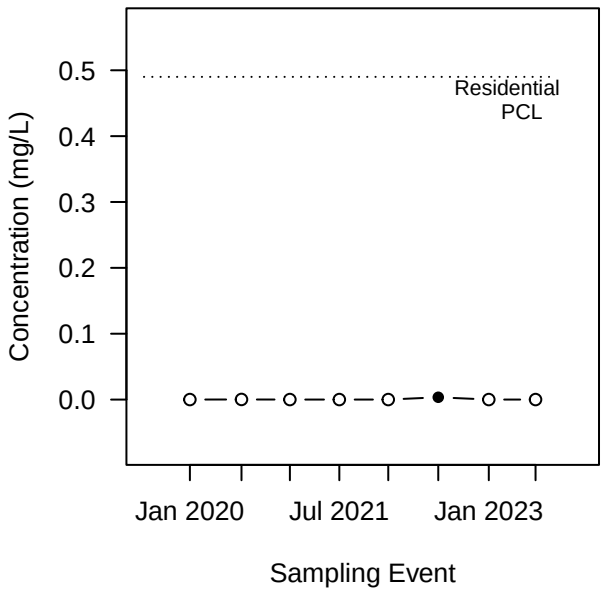
Benzene (Det/N = 0/8)
Not evaluated − All NDs



Dibenzofuran (Det/N = 1/8)
No Trend
(p−value=0.331 and CV=1.4)



Naphthalene (Det/N = 1/8)
No Trend
(p−value=0.331 and CV=2.6)

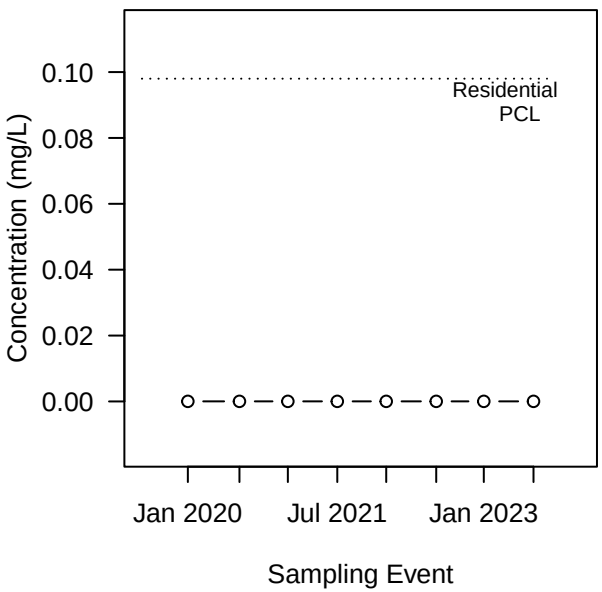


LEGEND:
Concentration
- DET
- ND (DL plotted)

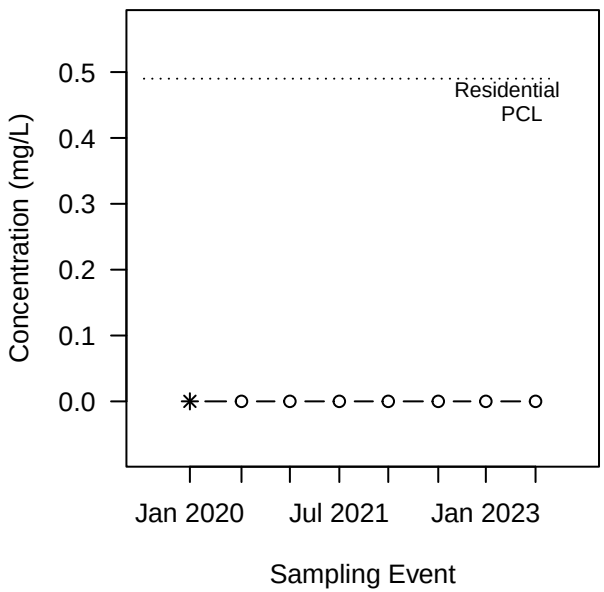
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−98A

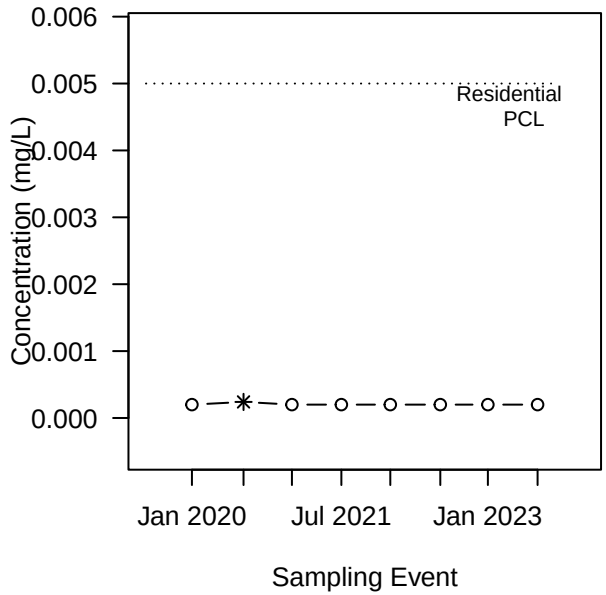
2−Methylnaphthalene (Det/N = 0/8)
Not evaluated (all concentrations are identical)



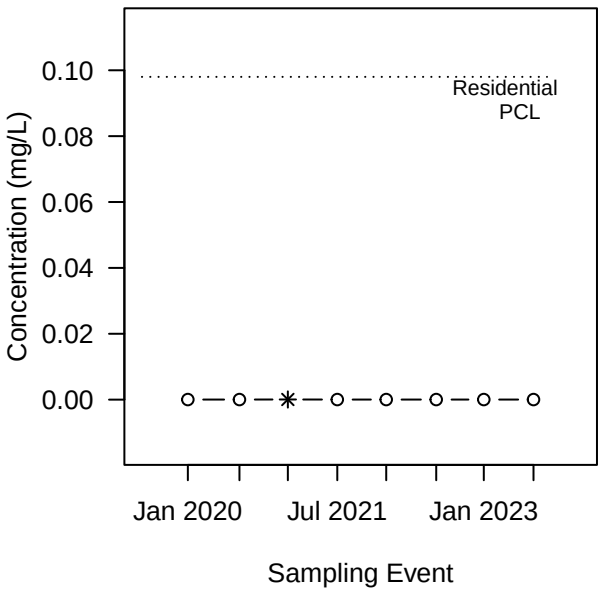
2,4−Dimethylphenol (Det/N = 1/8)
Probably Decreasing
(p−value=0.0952 and CV=0.3)



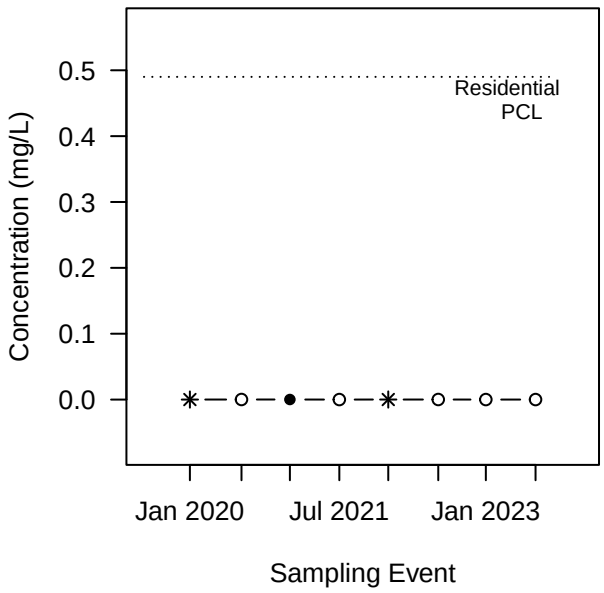
Benzene (Det/N = 1/8)
Stable
(p−value=0.191 and CV=0.069)

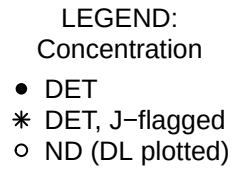


Dibenzofuran (Det/N = 1/8)
Stable
(p−value=0.331 and CV=0.39)



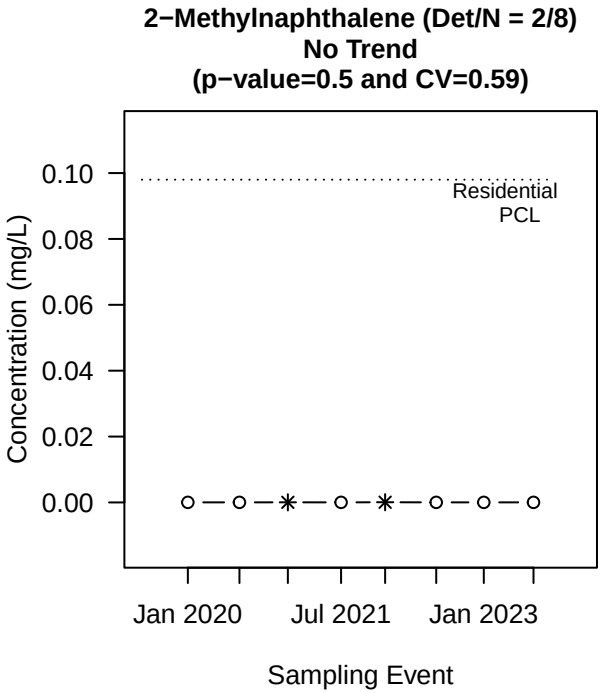
Naphthalene (Det/N = 3/8)
Stable
(p−value=0.158 and CV=0.65)

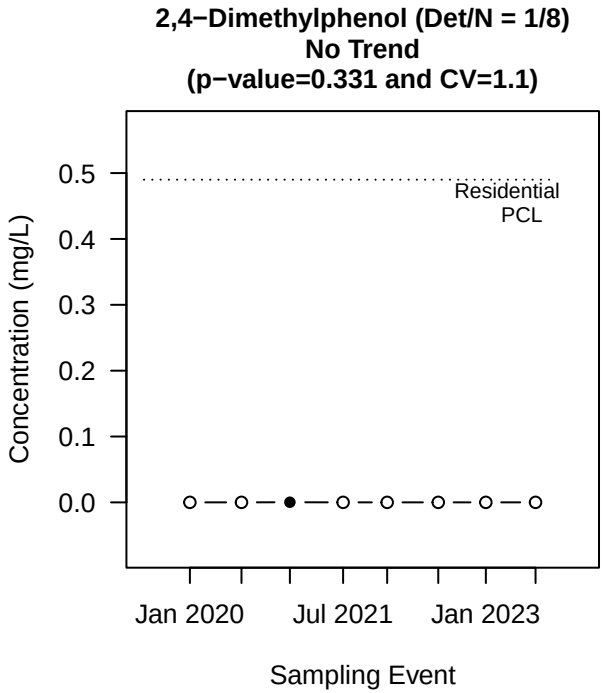


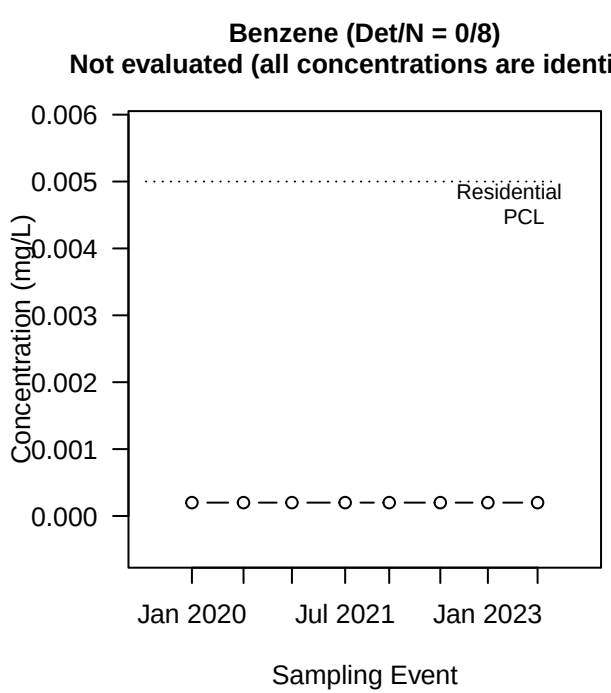


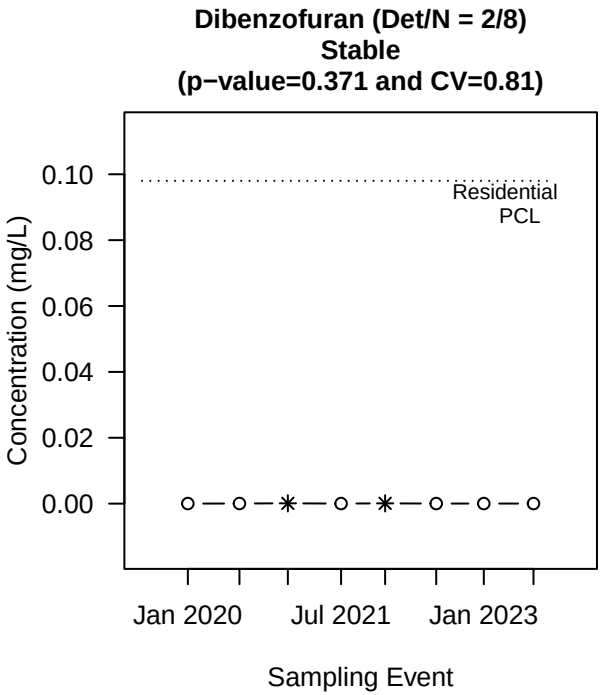
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

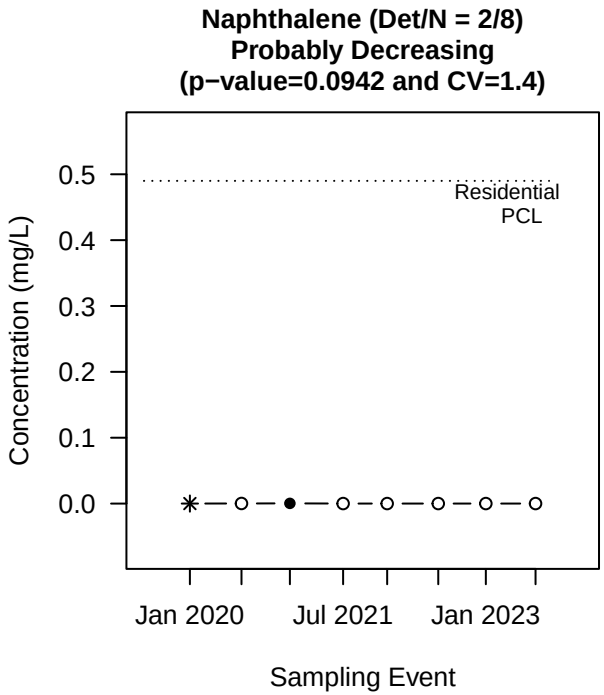
Mann−Kendall Trend Tests for MW−98B

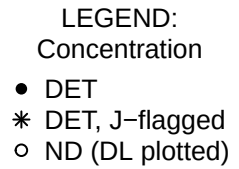








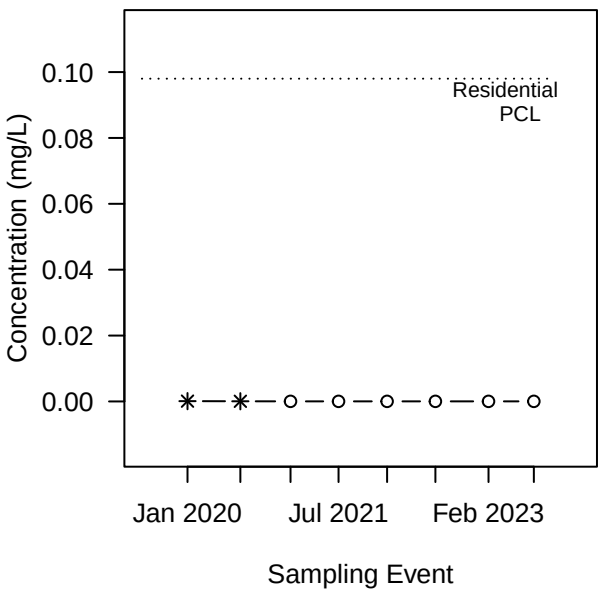




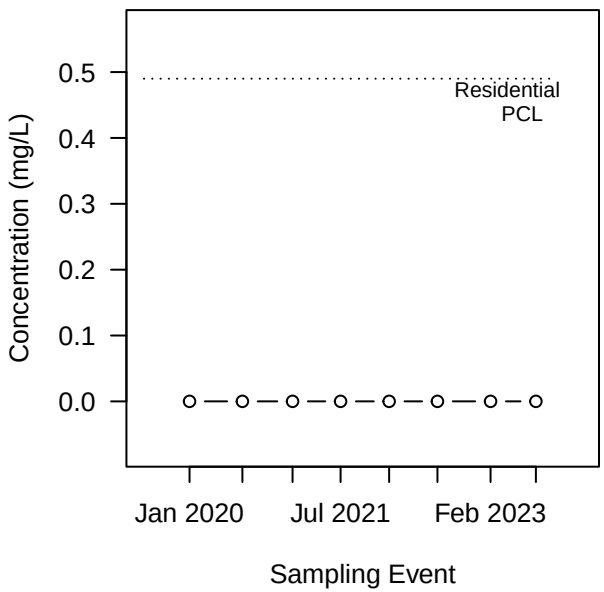
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for MW−99C

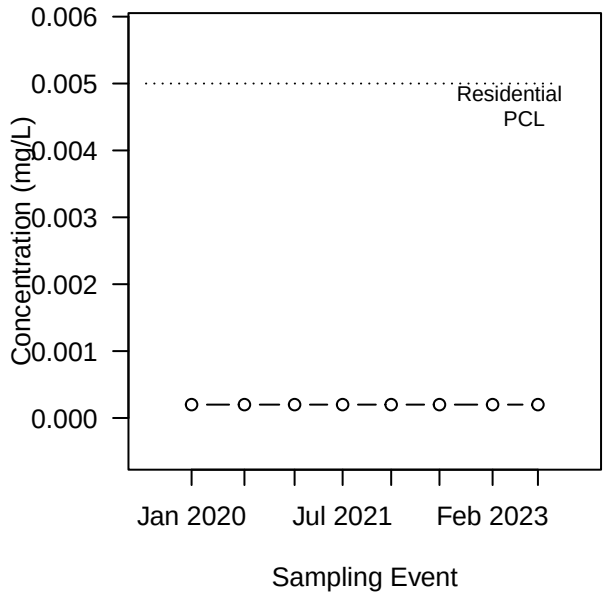
2−Methylnaphthalene (Det/N = 2/8)
Decreasing
(p−value=0.0243 and CV=0.79)



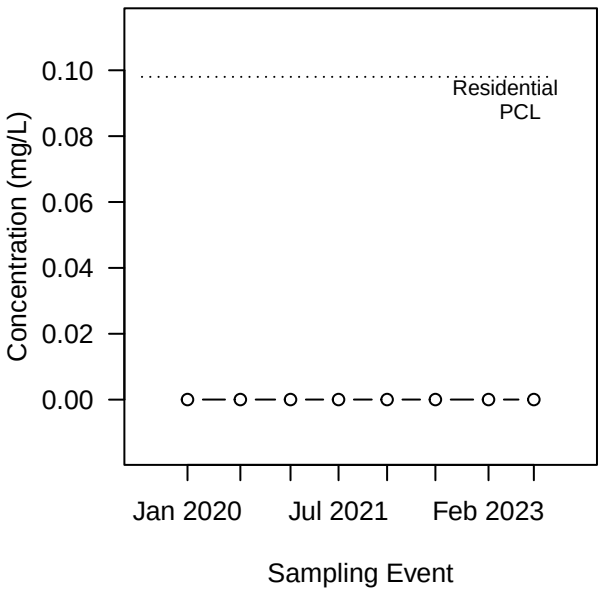
2,4−Dimethylphenol (Det/N = 0/8)
Not evaluated − All NDs



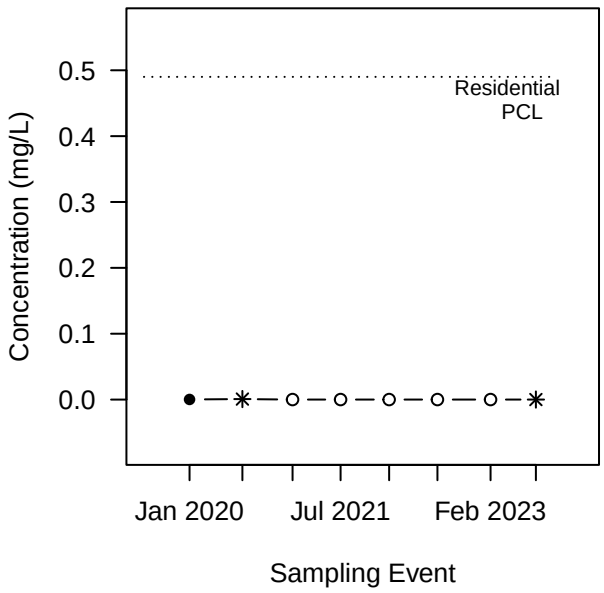
Benzene (Det/N = 0/8)
Not evaluated (all concentrations are identical)



Dibenzofuran (Det/N = 0/8)
Not evaluated (all concentrations are identical)



Naphthalene (Det/N = 3/8)
No Trend
(p−value=0.237 and CV=1.9)

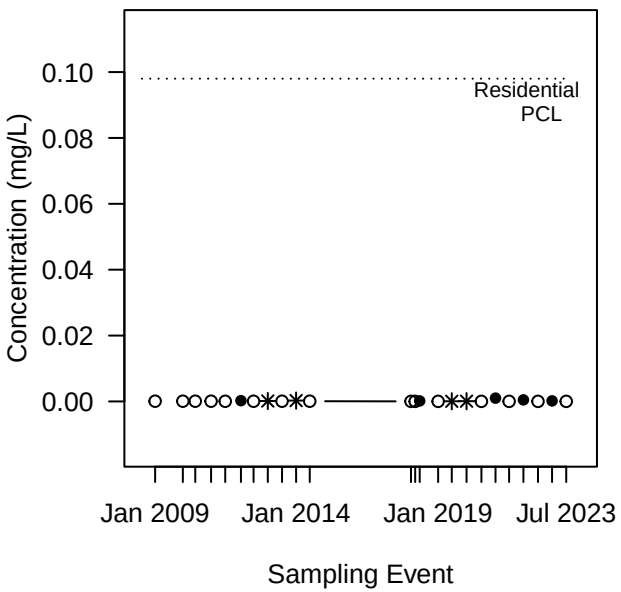


LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

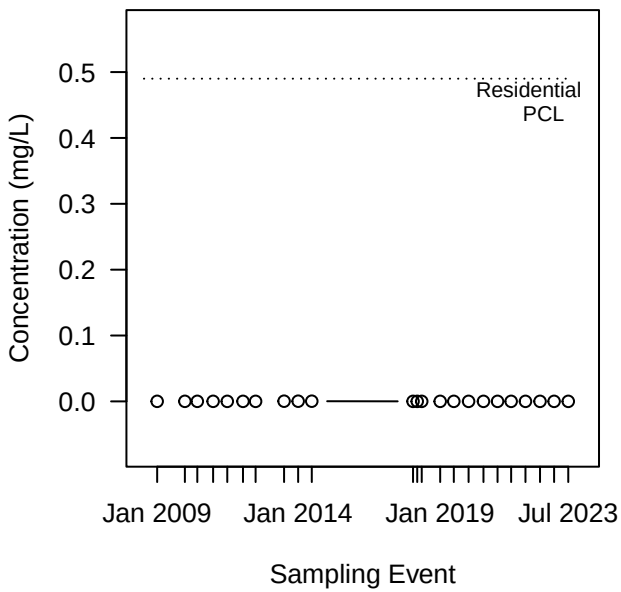
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

Mann−Kendall Trend Tests for P−11

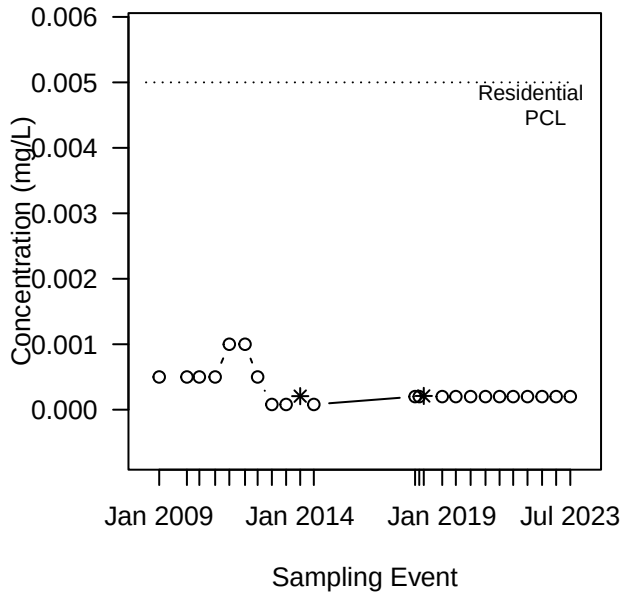
2−Methylnaphthalene (Det/N = 9/24)
Probably Increasing
(p−value=0.0937 and CV=1.6)



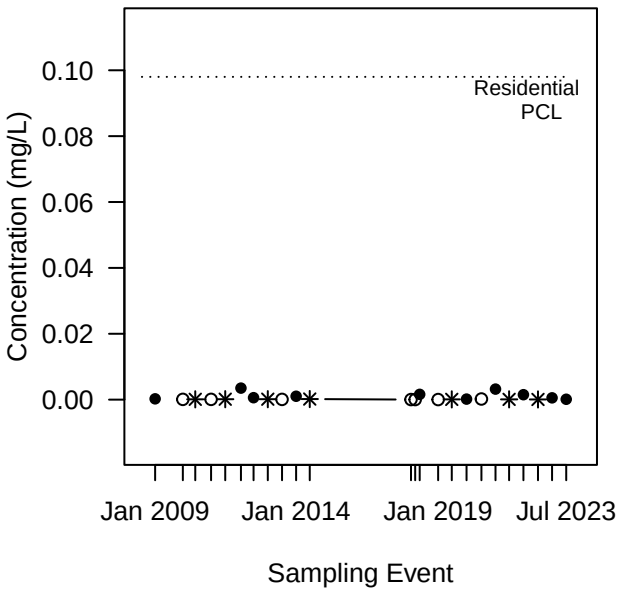
2,4−Dimethylphenol (Det/N = 0/23)
Not evaluated − All NDs



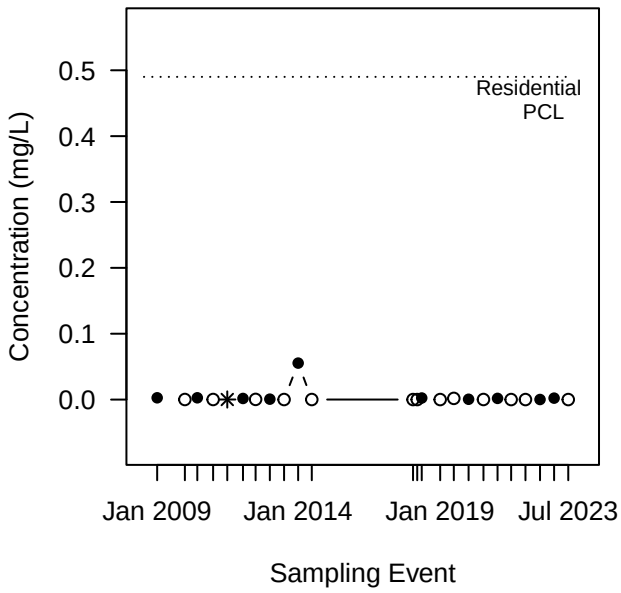
Benzene (Det/N = 2/24)
No Trend
(p−value=0.5 and CV=0.8)



Dibenzofuran (Det/N = 17/24)
No Trend
(p−value=0.344 and CV=1.7)



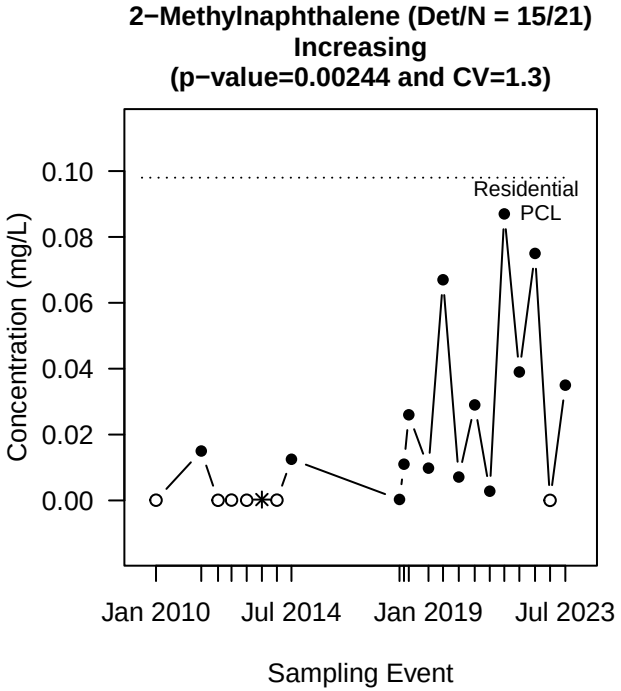
Naphthalene (Det/N = 11/24)
No Trend
(p−value=0.208 and CV=3.7)

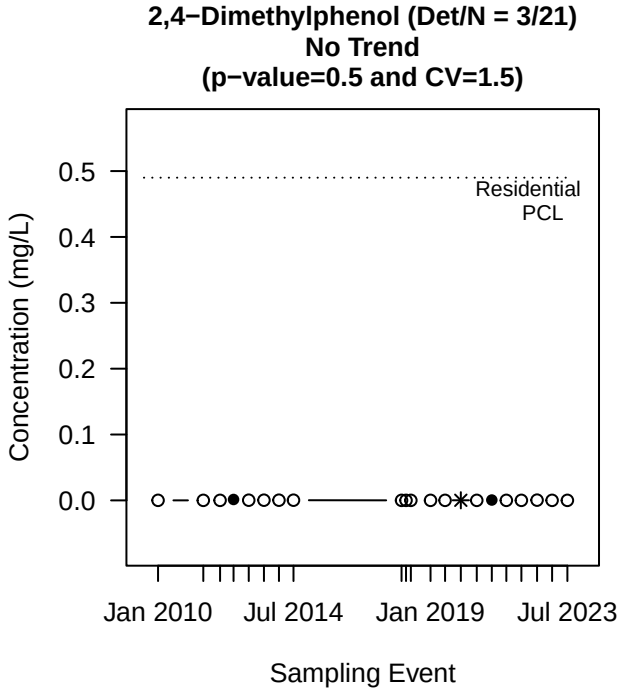


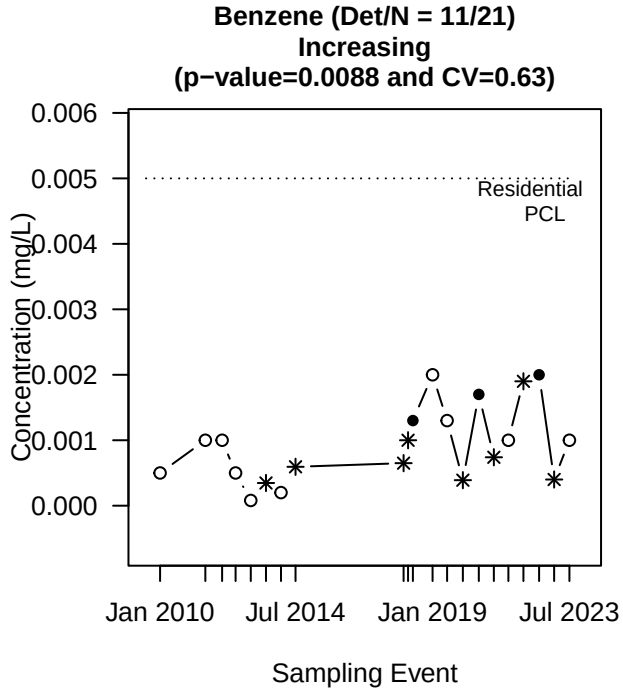
LEGEND:
Concentration
- DET
- DET, J−flagged
- ND (DL plotted)

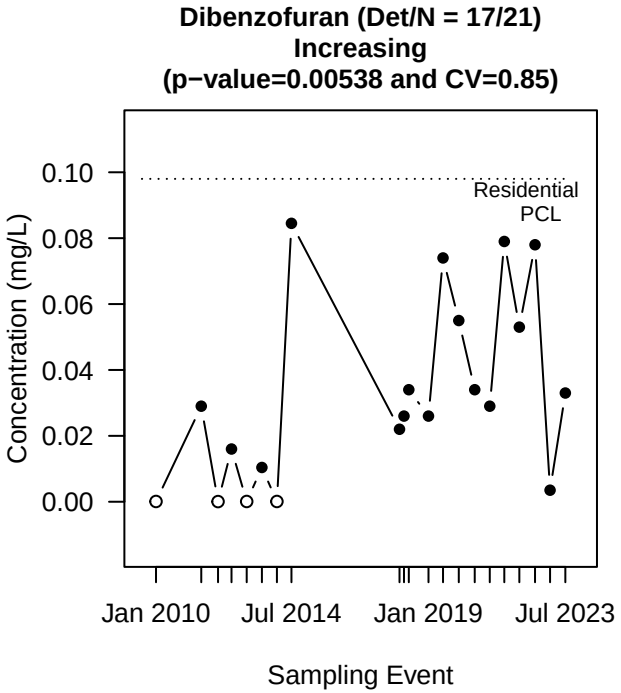
NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

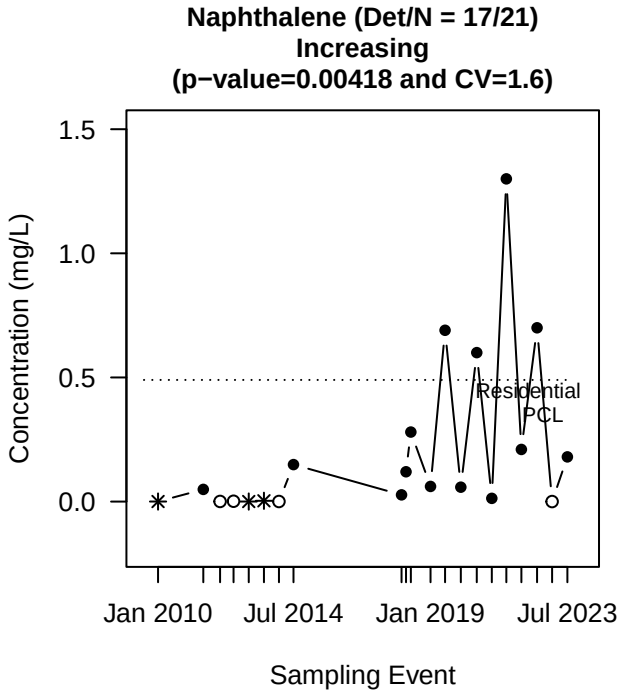
Mann−Kendall Trend Tests for TW−41B

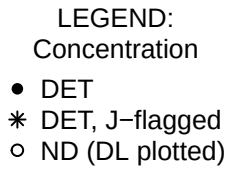












NOTE: A p−value<0.05 indicates a statistically significant trend.
A p−value is the probability, if no trend is present, that we'd observe such an increasing or decreasing trend.

ATTACHMENT D

Groundwater Plume Analytics Technical Memo

TECHNICAL MEMORANDUM

GROUNDWATER PLUME ANALYTICS SERVICES®

Union Pacific Railroad Houston Wood Preserving Works Facility

4910 Liberty Road, Houston, Texas

Submitted to:

Union Pacific Railroad Company

4823 N 119th Street

Milwaukee, WI 53225

Submitted by:

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April 2024

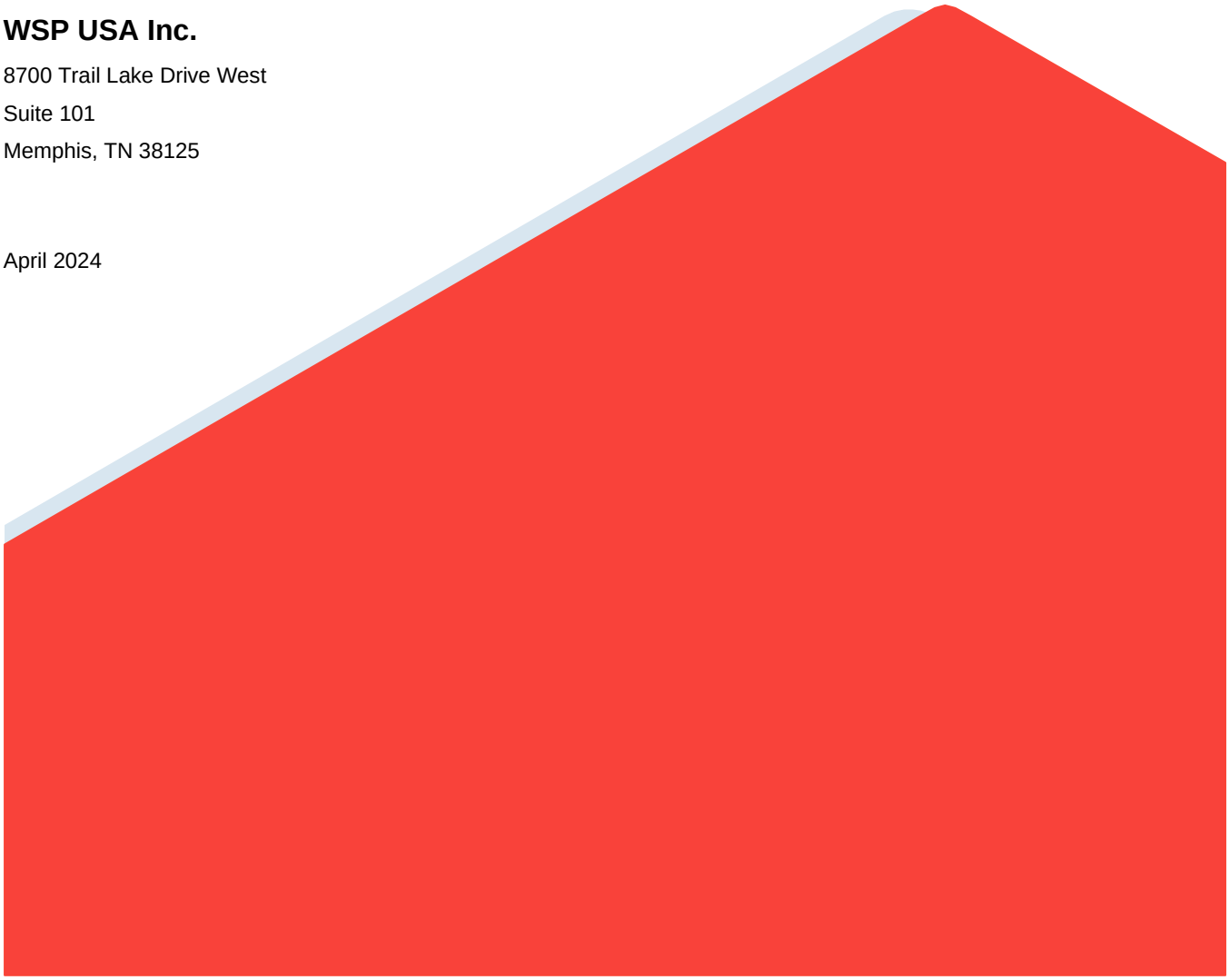

Table of Contents

1.0 INTRODUCTION AND PURPOSE 1

2.0 GROUNDWATER PLUME ANALYTICS® METHODOLOGY 2

2.1 Ricker Method® Plume Stability Analysis 2

2.1.1 Data Assessment and Input File Development 2

2.1.2 Groundwater Plume Map Development 4

2.1.3 Statistical Methodology 5

2.2 Spatial Change Indicator™ Methodology 7

3.0 GROUNDWATER PLUME ANALYTICS® RESULTS 8

3.1 2,4-Dimethylphenol 10

3.2 2-Methylnaphthalene 10

3.3 Benzene 11

3.4 Dibenzofuran 11

3.5 Naphthalene 12

4.0 LIMITATIONS 13

5.0 REFERENCES 14

List of Appendices

Appendix A *– UPRR Houston Plume Analytics 2023.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*

Groundwater Plume Analytics® Services
Technical Memorandum

Prepared For:
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Prepared By:
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WSP USA Inc. (WSP) is pleased to submit this Groundwater Plume Analytics® Services Technical Memorandum to Union Pacific Railroad Company (UPRR) for Houston Wood Preserving Works Facility located in Houston, TX. This Technical Memorandum has been prepared for the exclusive use of and reliance by UPRR and may not be relied upon by any other person or entity without the express written authorization of WSP.

Any reliance, use, or re-use of this document (or the opinions, findings, conclusions, or recommendations if any represented herein), by parties other than those expressly authorized by WSP is at the sole risk of those parties. This Technical Memorandum was prepared by or performed under the direction of the WSP Professionals listed below.

Signed:

David Winchell, P.E.
Senior Technical Principal

Joe A. Ricker, P.E.
Senior Technical Principal, TX P.E. No. 95135

Date: April 8, 2024

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 2023.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 2023 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 2023. Analytical data was consolidated into semi-annual events where the maximum value (or lowest non-detect limit, if all non-detect) during the semi-annual period (per well and constituent) was retained for the analysis. Not all wells were sampled during each semi-annual period, and data gaps were filled by interpolating between sample events with actual results. Other scientific and/or statistical assumptions and adjustments to the data, consistent with the Ricker Method®, were necessary to complete the analysis. These adjustments are identified in the Ricker Method® input data set summarized in ***Appendix B***. The assumptions and adjustments used in the analysis include the following:

- Monitoring wells in which 100 percent of the data collected were non-detect for a particular constituent were assumed always to be non-detect for that constituent for sampling events in which no analytical data were reported.
- In most cases non-detect concentrations were evaluated with an assigned concentration value of the stated detection limit or, in some cases, a fraction of the detection limit (e.g., wells located far from known impacted areas). Also, in cases where non-detect concentrations with elevated detection limits were encountered, professional judgment was used. A consistent algorithm for evaluating elevated detection limits is provided in ***Appendix C***. For every case in which a sample was collected the assigned value was based on actual results (detectable value or non-detect at a lower detection limit). Assigned values for non-detect concentrations are noted in ***Appendix B***.
- For sampling events in which a monitoring well was not sampled, but prior and subsequent analytical data were available, the events were assigned values by interpolating between the closest prior and subsequent sampling event. Instances where these values are assigned are indicated by orange shading in ***Appendix B*.**

Some monitoring wells had historical data collected but were not sampled in recent years. When this occurs, we term these wells “hanging wells”, and they are denoted by orange colored well symbols in the plume map videos in ***Appendix A*.** In these videos, wells with black symbols signify actual or interpolated data. Once a well becomes “hanging” (i.e., no longer sampled), the well symbol turns orange signaling that empirical data are no longer available for that well location. This allows the viewer to observe where historical data were collected and where potential data gaps may exist. In some instances, hanging wells were extrapolated forward to fill data gaps in the analysis. If the assigned value is below the base contour, the orange hanging well symbol will be overlain with a blue, control point dot. This is done to allow the viewer to see in the plume map videos where these assumptions were made.

During development of the input data set, some apparently anomalous results were observed for wells in the B-CZ/B-TZ and C-TZ groundwater bearing units. For example, naphthalene was detected at a value of 1,200,000 µg/l in MW-49B in January 2020. MW-49B has been sampled 17 times since 2009 and excluding the anomalous January 2020 result, the average concentration of the remaining 16 events is 4,712 µg/l and the maximum concentration is 15,000 µg/l. Since the solubility limit of naphthalene is approximately 31,600 µg/l, it is highly improbable that the January 2020 result of 1,200,000 µg/l is representative of dissolved naphthalene in groundwater. This phenomenon (anomalously high values) was also observed for 2-methylnaphthalene and dibenzofuran in limited wells and sample events. It is

noted that this phenomenon was only observed in wells that periodically exhibit DNAPL accumulation, and it is possible that DNAPL may have been entrained in the groundwater samples.

The analysis was initially conducted using the reported values that appeared anomalous. This resulted in biased plume trends and metrics that appeared to be outliers for the events that included the anomalous values. For the final analysis shown in ***Appendix A***, rather than performing statistical outlier tests, the anomalous values were handled as follows.

In the B-CZ/B-TZ unit, all values for naphthalene and 2-methylnaphthalene were screened against the solubility limits for these constituents. If the laboratory reported value was above the solubility limit (31,600 µg/l and 25,000 µg/l, respectively) then a replacement value was assigned in the same manner as elevated detection limits. Since dibenzofuran is purported to be insoluble or have very low solubility, an assumed screening level of 9,800 µg/l was used, which is 100 times the Residential Assessment Level (RAL) for dibenzofuran. In the B-CZ/B-TZ unit, the above procedure resulted in 12 anomalous values for naphthalene, seven anomalous values for 2-methylnaphthalene, and five anomalous values for dibenzofuran. Each of these values was treated as if it was an elevated non-detect value and then a replacement value was assigned using the algorithm shown in ***Appendix C***.

No adjustments were made in the C-TZ unit, although anomalous values were observed for naphthalene and 2-methylnaphthalene in MW-45 C for the July 2022 sample event. These constituents were detected at concentrations of 15,000,000 µg/l and 4,000,000 µg/l, respectively. These values are clearly not representative of dissolved concentrations since they are both more than 160 times the solubility limits. The anomalous results can be observed in the plume metrics charts in ***Appendix A***. Since the anomalous results occurred near the end of the dataset, they had little impact on the interpretation of the trends.

2.1.2 Groundwater Plume Map Development

As part of the Ricker Method® plume stability analysis, constituent concentration isopleth maps, or plume maps, were developed using input data from the procedures described above. The following table shows the TCEQ TRRP Tier 1 residential groundwater PCLs or Residential Assessment Levels (RALs) (the lesser value between $^{GW}GW_{Ing}$ and $^{Air}GW_{Inh\text{-}V}$ PCLs), assuming a 30-acre source area and Class 2 groundwater classification (except for B-CZ wells that are considered completed in a Class 3 groundwater resource). The RALs were used to define the COC boundaries on the plume maps for each constituent in each zone.

Delineation Boundary Levels based on RAL Values (µg/L)				
Constituent	**A-TZ**	**B-TZ Class 2**	**B-TZ Class 3**	**C-TZ**
2,4-Dimethylphenol	490	490	49,000	490
2-Methylnaphthalene	98	98	9,800	98
Benzene	5	5	500	5
Dibenzofuran	98	98	9,800	98
Naphthalene	490	490	49,000	490

The constituent-specific plume area for each sampling event was calculated using the mathematical features of the contouring software used to develop the isopleth maps (i.e., Surfer® by Golden Software, Inc.). The Kriging gridding method was used with the default linear variogram to develop the isopleth maps. In some cases, wells that have always exhibited non-detect concentrations were assumed to be non-detect for that constituent prior to installation. Consistent with generally accepted scientific practices, these wells were used as control points to conceptualize the plume behavior during earlier periods where there was not enough data to conceptualize or delineate the plume. The wells used as control points are denoted by a blue dot on the plume maps (see locations in ***Appendix A***). Surfer® was also used for the computation of the average concentration of each plume as described in Ricker (2008). The plume area and average concentrations were then used to calculate the plume mass indicator for each year. To calculate the plume mass indicator, a porosity of 20% and an aquifer thickness of 10 feet were used for all units.

Concentration isopleth maps for each of the constituents listed above are included in the PowerPoint presentation in ***Appendix A***. Plume stability characteristics were calculated for each of the sampling events included in the analysis. The plume stability characteristics of area, average concentration, and mass indicator, as well as the location of the center of mass, are also provided on each isopleth map.

2.1.3 Statistical Methodology

To evaluate the stability of each constituent plume, the area, average concentration, and mass indicator for each event were plotted to observe changes in each parameter from event to event. Temporal trends of the characteristics for each plume were also evaluated statistically. The characteristics that were trended are tabulated in ***Appendix D***.

The temporal trends in the plume characteristic values were statistically evaluated using both linear regression techniques and the Mann-Kendall Test. Linear regression analyses were conducted using the

regression analysis utility in Microsoft Excel. The Mann-Kendall Tests were conducted using procedures described in Gilbert (1987). Linear regression is a parametric statistical procedure that is typically used for analyzing trends in data over time. The Mann-Kendall Test is a non-parametric statistical test; therefore, it is not dependent upon the magnitude of the data, assumptions of distribution, or regularly spaced sampling events.

The Mann-Kendall Test is used to assess whether a data set exhibits an increasing or decreasing trend at a predetermined level of significance (α). The test requires the calculation of a statistic "S" which is the difference between the number of paired differences that are positive, minus the number that are negative. If S is a large positive value, then there is evidence of an increasing trend in the data. If S is a large negative value, then there is evidence of a decreasing trend in the data. The null hypothesis, H_0, for the Mann-Kendall Test is that there is no temporal trend in the data. The alternative hypothesis, H_A, is that of either an upward trend or a downward trend.

If the null hypothesis is not rejected (i.e., no trend could be established statistically), it is expected that the plume is stable. However, a stable plume may not in fact be evident because the statistical test does not consider magnitude or variation in the data. For example, a data set can exhibit a large amount of scatter, yet the test could conclude that the plume is stable. A methodology to counter the problem of scatter in the data involves comparing the calculated S statistic, a calculated confidence factor (1-α), and the coefficient of variation for the data set. The S statistic indicates the direction of the trend, the confidence factor shows how strong the trend is, and the coefficient of variation indicates the degree of scatter in the data.

When evaluating trends using linear regression, trends may be obscured by scatter in the data. This condition is typically indicated by a low coefficient of determination (R^2) value. Even with low R^2 values (i.e., high degree of scatter) a confidence interval can still be constructed on the slope of the regression line. As described in AFCEE (2006), assuming the sign (i.e., positive, or negative) of the estimated log-slope is correct, a level of confidence that the slope is not zero can be easily determined. The overall trend in the data may thus still be determined, where low levels of confidence correspond to stable or indeterminate trends and higher levels of confidence (e.g., > 90%) indicate the stronger likelihood of a trend.

For the plume stability analysis, significant trends (increasing or decreasing) are concluded when the confidence factor is greater than 90%. If the confidence factor is less than 90%, the plume is considered stable if the regression line slope or the S statistic is negative and the coefficient of variation is less than one. If the trend is not significant and does not meet the criteria for a stable trend, the trend is considered indeterminant.

In many cases the statistical results for both linear regression and Mann-Kendall Test agree with each other. In the case where two different results are obtained (e.g., one stable trend and one decreasing trend), visual analysis and professional judgment are used to determine the overall trend result.

2.2 Spatial Change Indicator™ Methodology

The Spatial Change Indicator™ evaluation (US Pat. No. 10,400,583) shows relative changes in the plume over time. For this analysis, each plume map in a particular series is compared to the first plume map in the series by subtracting from the original plume to create a new isopleth map that shows areas of the plume that decreased in concentration (indicated by blue shading) or increased in concentration (indicated by red shading). The visual aspect of this analysis allows the viewer to observe patterns of plume behavior over time.

This analysis also has a quantitative component. Each Spatial Change Indicator™ map includes the percent change (increase or decrease) of the plume between each event and the baseline event in terms of area, average concentration, and mass indicator as calculated using Ricker Method® procedures. Additionally, for areas that increased or decreased in concentration, representative magnitudes of mass increase (red shaded areas) and mass decrease (blue shaded areas) are also included on each map. Spatial Change Indicator™ analyses for the previously listed constituents are included in ***Appendix A***.

3.0 GROUNDWATER PLUME ANALYTICS® RESULTS

This section of the report provides a summary of the results of the Groundwater Plume Analytics® evaluation. The full graphical display and analysis, including plume map videos, the Spatial Change Indicator™ results, and groundwater elevation maps, are included in ***Appendix A***. The dataset for the Site is challenging in that there have been numerous changes in the monitoring well network and analytical testing methods. Ideally, plume stability metric trend analysis would be conducted for a period with a consistent well network. This is because well network changes (adding or removing wells for analysis) can affect the plume metrics and possibly skew trend conclusions. Because of the multiple well network changes, the plume stability analysis trends 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 2023 for A-TZ, 2012 to 2023 for B-CZ/B-TZ, and 2004 to 2023 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 – 2023)			
2,4-Dimethylphenol	Decreasing Trend	Decreasing Trend*	Decreasing Trend
2-Methylnaphthalene	Stable	Decreasing Trend**	Decreasing Trend**
Benzene	No Trend	Stable	Stable
Dibenzofuran	Stable	Stable	Stable
Naphthalene	Stable	Decreasing Trend**	Decreasing Trend**
B-CZ/B-TZ (2012 – 2023)			
2,4-Dimethylphenol	Decreasing Trend	Decreasing Trend	Decreasing Trend
2-Methylnaphthalene	Stable	Stable	Stable
Benzene	Decreasing Trend	Stable	Stable
Dibenzofuran	Stable	Stable*	Stable*
Naphthalene	Decreasing Trend	Decreasing Trend	Decreasing Trend
C-TZ (2004 – 2023)			
2,4-Dimethylphenol	N/A	N/A	N/A
2-Methylnaphthalene	Decreasing Trend	Decreasing Trend	Decreasing Trend
Benzene	Decreasing Trend	Increasing Trend	Decreasing Trend
Dibenzofuran	Decreasing Trend	Decreasing Trend	Decreasing Trend
Naphthalene	Decreasing Trend	Decreasing Trend**	Decreasing Trend

*Based on Mann-Kendall
**Based on linear regression
N/A – Not Available

As observed above, all trends in the A-TZ zone were identified as stable, not statistically significant or decreasing. Similarly, all trends in the B-CZ/B-TZ zone were identified as stable or decreasing. The C-TZ zone has decreasing for all trends except for average concentration for benzene. Further discussion on the trend analysis results and the Spatial Change Indicator™ evaluation results for each constituent are provided in the following sections.

3.1 2,4-Dimethylphenol

As observed above, the 2,4-dimethylphenol plume area, average concentration, and mass indicator are observed to be stable or decreasing in both the A-TZ and B-CZ/B-TZ groundwater. Trend analyses were not performed for the C-TZ groundwater unit because there were not enough detections above the base contour to conduct a whole-plume analysis. As observed in the Spatial Change Indicator™ analyses, the 2,4-dimethylphenol plumes changed in the groundwater bearing units:

- A-TZ - The 2,4-dimethylphenol plume decreased in mass by 99% since 2014. All areas of the plume show mass decreases since 2014.
- B-CZ/B-TZ – The 2,4-dimethylphenol plume decreased in mass by 94% 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 not detected in 2023.
- 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 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 96% since 2014. All areas of the plume show mass decreases since 2014.
- B-CZ/B-TZ – The 2-methylnaphthalene plume decreased in mass by 73% 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 plume mass within the B-CZ/B-TZ groundwater unit is located within the B-CZ Class 3 delineated zone on the eastern portion of the Site. The only plume located within the Class 2 groundwater unit is located near MW-74B and MW-68B, which have both shown concentration decreases since 2012.

- C-TZ – The 2-methylnaphthalene plume decreased in mass by 99% since 2007. All areas of the plume show mass decreases and there are only a few scattered detections of 2-methylnaphthalene above the RAL.

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 62% 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-49A within the Englewood Intermodal Yard area.
- B-CZ/B-TZ - The benzene plume in the B-CZ/B-TZ groundwater unit decreased in mass 2% since 2012. A portion of increase within the plume is centered around wells MW-32B and MW-70B (both current DNAPL recovery wells) showing sharp increases in concentration from 2012 to 2018. Since 2018, MW-32B and MW-70B have shown variability in concentrations and no increasing trend. The southern and western edge of the benzene plume show decreasing mass, while the northern and eastern portions of the plume show increase in mass. The majority of the plume mass in the B-CZ/B-TZ groundwater unit is located in the Class 3 groundwater zone (B-CZ).
- C-TZ - The benzene plume in the C-TZ groundwater unit decreased by 65% in mass from 2007 to 2023. The increasing trend in concentration within the C-TZ zone is due to the decreasing area of the plume. When a plume reduces in area, the lowest concentration wells will be the first to reach non-detect and be removed from the calculation, thus the remaining wells, which may not have decreased as much, cause the average concentration to be higher. This is why it is important to consider all plume metrics together when assessing plume stability. All wells within the C-TZ zone have reduced concentrations since 2007.

3.4 Dibenzofuran

As observed above, the dibenzofuran plume mass indicator is statistically stable with a visible decreasing trend in the A-TZ unit, stable in the B-TZ groundwater unit, and decreasing in the C-TZ unit. Below are the observations from the Spatial Change Indicator™ analyses:

- A-TZ - The dibenzofuran plume in the A-TZ groundwater unit decreased in mass by <99% since 2014. There is no plume in the A-TZ unit. There is one detection of dibenzofuran above RAL (MW-12A, 99 µg/L).
- B-CZ/B-TZ – The dibenzofuran has decreased by 78% since 2012, the overall trend since 2012 appears to be stable. The majority of the plume mass in the B-CZ/B-TZ groundwater unit is located in the Class 3 groundwater zone (B-CZ) and most of the plume is below the Class 3 groundwater RAL.
- C-TZ - The dibenzofuran plume in the C-TZ groundwater unit decreased by 99% in mass from 2007 to 2023. There is no plume in the C-TZ unit. There is one detection of dibenzofuran above RAL (MW-23C, 260 µg/L).

3.5 Naphthalene

As observed above, the naphthalene plume mass indication decreasing in the A-TZ, B-CZ/B-TZ and C-TZ units. The Spatial Change Indicator™ analyses provided the following results:

- A-TZ - The naphthalene plume in the A-TZ groundwater unit decreased 95% since 2014. The majority of the mass decrease occurred in the areas downgradient to the northeast.
- B-CZ/B-TZ - The naphthalene plume has decreased by 83% since 2012, the overall trend since 2012 appears to be decreasing. The B-TZ unit appears to be decreasing in all areas, except the area surrounding MW-32B and MW-70B, which are both creosote DNAPL recovery wells and typically have DNAPL present in the wells Historic data from these wells does not indicate an increasing trend and these values are primarily below the Class 3 groundwater RAL.
- C-TZ – The Naphthalene plume in the C-TZ groundwater unit decreased by 97% in mass from 2007 to 2023. There is no plume in the C-TZ unit There are only a few scattered detections of naphthalene above the RAL.

4.0 LIMITATIONS

Per the terms and conditions under which this scope of work was performed, this report shall be the sole property of the Union Pacific Railroad Company and shall not be relied upon by any other party. Any person or entity other than such regulatory agency (i.e., “third parties”, including any members of the public who may access this document as a public document) receives this report in every instance solely for informational purposes and not for any type of reliance. WSP makes no warranties or guarantees as to the accuracy or completeness of information, if any, provided or compiled by individuals or entities other than WSP. It is possible that, as a result of the limitations imposed on the scope of work, there exists relevant information that was not considered in the findings, observations and opinions as presented in this report. Additional information, which was not found or available to WSP at the time of writing this report, may result in modification of the findings, observations, and opinions presented herein. This report is not intended to be and is not a legal opinion. The services performed by WSP have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing at the same time under similar conditions. No other warranty, expressed or implied, is made.

5.0 REFERENCES

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Appendix A

UPRR Houston Analytics PowerPoint File

Appendix B

UPRR Houston Ricker Method® Input Data

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
MW-01A	11	10	<10	48	95	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10	37	19	22	<10	<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
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
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
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
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
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
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
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)	NS (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)	NS (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
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)
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)
MW-16	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
MW-18A	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
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)
MW-22AR	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)
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)
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)
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)
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)
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)
MW-30A	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
MW-32A	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
MW-33A	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)
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)
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)
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)
MW-47A	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
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)
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)
MW-52A	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
MW-57A	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
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)
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)
MW-60AR	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)
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)
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)
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)
MW-77A	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
MW-79A	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)
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)
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)
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)
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)
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)
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)
TW-56A	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-1995	1H-1996	2H-1996	1H-1997	2H-1997	1H-1998	1H-1999	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
MW-01A	<10	<10	19	<100	<200	<10	<10	NS (5.5)	<0.90	<0.12	13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-02	<10	<10	<10	16	<10	<10	10	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)
MW-03	<10	<10	<10	<100	<10	<10	<10	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)
MW-04	<10	<10	<10	<10	<10	<10	<10	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)
MW-05	<10	<10	<10	<10	<10	<10	<10	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
MW-07	<10	<10	<10	<10	<10	<10	<10	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)
MW-08	<10	<10	<10	<40	<10	<10	<10	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)
MW-09	<10	<10	<10	<10	<10	<10	<10	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
MW-10A	<10	<10	<10	<10	<10	<10	<10	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)
MW-11A	<10	<10	<10	<100	<10	<10	<10	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)
MW-12A	NA	NA	NA	12	NS (12)	NS (11)	NS (10)	<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
MW-13	NS (10)	NS (10)	NS (10)	<10	NS (8.2)	NS (6.4)	NS (2.8)	<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)
MW-15A	NS (10)	NS (10)	NS (10)	<10	NS (8.2)	NS (6.4)	NS (2.8)	<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
MW-16	NA	NA	NA	29	NS (43)	NS (58)	NS (86)	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
MW-17	NA	NA	NA	7,140	NS (6,516)	NS (5,882)	NS (4,624)	4,000	NS (3,731)	NS (1,599)	NS (1,065)	<0.050	11,700	13,400	2,600	13,000	NS (8,487)	3,900	2,700	3,000	4,000	11,300
MW-18A	NA	NA	NA	9,210	NS (10,956)	NS (12,732)	NS (16,254)	18,000	NS (17,296)	NS (11,710)	NS (10,311)	7,520	12,500	2,170	1,900	7,900	NS (8,743)	9,600	11,000	5,800	9,400	11,800
MW-20A	NA	NA	NA	NA	NA	NA	NA	100	NS (114)	NS (225)	NS (253)	308	134	NS (158)	NS (182)	NS (229)	NS (253)	NS (276)	300	76	100	119
MW-22A	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	NS (10)	<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)
MW-22AR	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)	<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)
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)	<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
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)	<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
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)	<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)
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)	<0.18	<0.30	<0.32	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<3.0
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)	<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)
MW-30A	NA	NA	NA	NA	NA	NA	NA	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
MW-31A	NA	NA	NA	NA	NA	NA	NA	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
MW-32A	NA	NA	NA	NA	NA	NA	NA	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
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	0.061	17
MW-33A	NA	NA	NA	NA	NA	NA	NA	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
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)	<0.18	<0.30	<0.28	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<0.30
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)	0.27	<0.30	<0.29	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<0.29
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)	<0.18	<0.29	<0.28	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<0.30
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)	<0.18	<0.30	<0.32	<0.080	<0.080	NS (0.44)	0.81	<0.050	<0.050	<0.050	<3.0
MW-47A	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	805	25	6,080	6,800	3,700	NS (1,954)	180	3,000	<0.050	37	1,420
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)	<0.050	<0.29	<0.33	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	0.083	<0.30
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)	<0.050	<0.29	NS (0.19)	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	<0.050	<0.30
MW-52A	NA	NA	NA	NA	NA	NA	NA	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
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,200	280	NS (346)	NS (414)	480	1,800	960	<0.29
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,800	3,000	NS (2,504)	2,000	1,000	1,700	200	1,620
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	47	610	NS (645)	680	<0.050	1,100	2,400	950
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)	<0.080	<0.080	NS (0.080)	<0.080	0.066	<0.050	<0.050	<0.29
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)	<0.080	<0.080	NS (0.080)	<0.080	<0.050	<0.050	1	<0.18
MW-60AR	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)	<0.080	<0.080	<0.080	<0.080	<0.050	<0.050	<0.050	<0.30
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)	<0.080	<0.080	<0.080	<0.080	<0.050	<0.050	<0.050	<0.30
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)
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)	3.6	<0.080	<0.050	<0.050	0.078	<0.30
MW-77A	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
MW-79A	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)
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)
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)
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)
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)
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)
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)
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,900	NS (4,193)	NS (5,507)	6,800	4,200	3,800	4,810

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-2013	1H-2014	2H-2014	1H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023
MW-01A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-02	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	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 (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	<0.040
MW-04	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	<0.040
MW-05	<0.30	<0.29	<0.30	<0.040	<0.040	<0.059	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.32	<0.040
MW-07	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	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 (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	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 (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	<0.040
MW-10A	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	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 (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	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	<0.30	<15	<0.30	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<4.0	<0.040	<0.040
MW-13	<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	<0.040
MW-15A	<0.30	<15	<0.29	<0.040	<0.040	<0.24	<0.040	<0.040	<0.040	<0.040	3.3	<0.040	<0.040	<0.040
MW-16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	3,190	6,750	13,900	7,700	1,900	5,900	<0.040	11,000	2,200	850	2,600	4,800	2,600	3,800
MW-18A	6,290	2,950	8,010	500	5.4	720	1,800	7,900	8.2	1,800	1,800	3,300	490	410
MW-20A	NS (114)	NS (110)	NS (105)	72	7.6	3.5	1.8	10	3.8	7.4	<0.040	1.5	<0.40	<0.040
MW-22A	NS (0.22)	<0.30	<0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22AR	NA	NA	NA	<0.040	<0.040	<0.040	<0.040	<0.040	<0.041	<0.040	<0.040	<0.040	<0.040	<0.40
MW-24AR	<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)	NS (0.30)
MW-25A	<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	<0.040
MW-26A	<0.29	<0.31	<0.30	0.056	<0.040	<0.040	<0.040	<0.040	0.2	<0.040	<0.040	<0.040	0.39	<0.040
MW-27A	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	<0.40
MW-28A	<0.29	<0.30	<0.30	12	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.40	<0.040	<0.040	<0.040
MW-29A	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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-31A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	<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	<0.040
MW-33A	888	1,540	61	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.049
MW-35A	<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	<0.040
MW-36A	<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	<0.040
MW-38A	<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	<0.040
MW-44A	<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	<0.40
MW-47A	NA	NA	NA	NA	NA	NA	<0.040	0.2	0.059	<0.040	<0.040	<0.040	<0.040	<0.40
MW-49A	903	2,100	1,230	97	<0.040	<0.040	5,700	580	2,000	3.4	350	160	<0.040	400
MW-50A	<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	<0.040
MW-51A	<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	<0.040
MW-52A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-55A	956	519	463	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57A	994	7,910	44	NS (14)	NS (4.9)	<0.59	410	<0.040	58	<0.040	110	29	27	<0.040
MW-58A	<0.31	<0.29	9,190	1.5	0.1	<0.040	<0.040	0.67	0.23	0.15	12	<0.040	0.17	<0.040
MW-59A	<0.30	<0.29	<0.31	<0.040	<0.040	<0.040	<0.040	0.16	<0.040	<0.040	0.05	<0.040	<0.040	<0.040
MW-60A	<0.30	<0.29	<0.29	<0.040	<0.040	<0.040	NA	NA	NA	NA	NA	NA	NA	NA
MW-60AR	NA	NA	NA	NA	NA	NA	<0.040	<0.040	<0.040	<0.040	0.11	<0.040	<0.040	<0.040
MW-61A	<0.30	<0.29	<0.31	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-64A	<0.31	<0.29	<0.30	<0.040	<0.040	<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)	<0.040	<0.040	<0.040	0.23	<0.040	<0.040	<0.040	0.099	<0.040	<0.40
MW-69A	<0.31	<0.30	<0.29	<0.040	<0.040	<0.040	NS (0.11)	0.18	<0.040	<0.040	26	<0.040	1.8	<0.040
MW-77A	NA	NA	<15	15	<0.042	62	55	1.3	41	8.9	27	<0.40	0.95	3
MW-78A	NA	NA	6,660	NS (4,011)	NS (3,255)	NS (2,881)	2,500	930	4,600	81	1,900	3,300	3,400	980
MW-79A	NA	NA	6,110	20,000	2,500	330	6,700	1,200	7,200	14,000	1,900	6,800	530	9.8
MW-84A	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	<0.40
MW-88A	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	<0.040	<0.040
MW-91A	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	0.53	<0.040
MW-94A	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
MW-95A	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	0.33
MW-97A	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	<0.040	<0.040
MW-98A	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	<0.040	<0.040
TW-56A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

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
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
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
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
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
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
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
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
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
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
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
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)
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)
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)
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)
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)
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)
MW-20A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	600	NS (761)
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)
MW-22AR	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
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
MW-26A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24
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)
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)
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)
MW-30A	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
MW-32A	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
MW-33A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35A	NS (0.060)	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)
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)
MW-44A	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
MW-49A	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)
MW-51A	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
MW-55A	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
MW-58A	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)
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)
MW-60AR	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)
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)
MW-68A	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
MW-77A	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
MW-79A	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)
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)
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)
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)
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)
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)
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)
TW-56A	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-2000	1H-2001	2H-2001	1H-2002	2H-2002	1H-2004	1H-2005	2H-2005	1H-2006	2H-2006	1H-2007	2H-2007	1H-2008	2H-2008	1H-2009	2H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012
MW-01A	360	12	<0.30	33	2	5.2	88	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
MW-02	5	0.9	1	0.6	0.4	1.7	0.11	<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
MW-03	<0.30	<0.30	<0.30	<0.30	0.07	<0.067	1.8	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)
MW-04	<0.20	<0.30	<0.30	<0.20	<0.070	<0.067	<0.070	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)
MW-05	<0.30	<0.30	<0.30	<0.30	0.09	<0.067	<0.070	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
MW-07	<0.30	<0.30	<0.30	<0.30	<0.070	<0.067	<0.070	<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
MW-08	<0.30	<0.30	<0.30	<0.20	<0.070	<0.067	<0.070	<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
MW-09	<0.30	<0.30	<0.30	<0.30	<0.070	<0.067	<0.070	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
MW-10A	<0.30	<0.30	<0.30	<0.30	<0.070	<0.067	<0.070	<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
MW-11A	1	14	140	27	73	<0.070	1.5	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
MW-12A	390	670	550	690	370	NS (308)	NS (266)	NS (245)	NS (224)	NS (204)	183	NS (179)	174	332	220	NS (185)	150	NS (92)	33	14	61
MW-13	<0.30	<0.30	<0.20	<0.20	<0.070	NS (0.067)	NS (0.064)	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
MW-15A	470	930	310	180	240	NS (163)	NS (112)	NS (87)	NS (61)	NS (36)	10	NS (11)	13	100	44	NS (43)	42	NS (40)	38	140	1
MW-16	150	40	170	77	140	NS (146)	NS (150)	NS (152)	NS (154)	NS (156)	158	NS (117)	75	175	130	NS (105)	79	NS (59)	38	82	34
MW-17	NS (952)	NS (927)	NS (903)	NS (879)	NS (855)	NS (782)	NS (734)	NS (710)	NS (685)	NS (661)	637	NS (529)	420	582	270	NS (414)	560	NS (763)	970	750	290
MW-18A	920	1,500	960	1,200	880	NS (733)	NS (635)	NS (586)	NS (537)	NS (488)	439	NS (493)	548	594	420	NS (410)	400	NS (420)	440	700	230
MW-20A	920	390	860	720	840	NS (758)	NS (703)	NS (675)	NS (648)	NS (621)	593	NS (400)	204	NS (235)	NS (266)	NS (297)	NS (328)	NS (358)	NS (389)	420	64
MW-22A	<0.20	0.6	<0.20	<0.30	<0.070	NS (0.16)	NS (0.22)	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
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24AR	<0.20	<0.30	<0.30	<0.30	<0.070	NS (0.15)	NS (0.21)	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
MW-25A	4	10	4	<0.20	0.6	NS (0.43)	NS (0.31)	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
MW-26A	0.3	0.5	<0.30	<0.20	<0.070	NS (0.18)	NS (0.26)	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
MW-27A	NS (0.30)	<0.30	<0.30	<0.30	<0.070	NS (0.073)	NS (0.076)	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)
MW-28A	NS (0.30)	<0.30	<0.20	<0.30	<0.070	NS (0.067)	NS (0.064)	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
MW-29A	NS (0.20)	<0.20	<0.30	<0.20	<0.070	NS (0.067)	NS (0.064)	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)
MW-30A	NA	NA	NA	NA	NA	1,378	NS (1,233)	NS (1,161)	NS (1,088)	NS (1,016)	943	NS (760)	573	NS (612)	NS (652)	NS (692)	NS (732)	NS (771)	NS (811)	850	420
MW-31A	NA	NA	NA	NA	NA	473	NS (597)	NS (658)	NS (720)	NS (782)	844	NS (865)	887	NS (903)	NS (919)	NS (935)	NS (952)	NS (968)	NS (984)	1,000	650
MW-32A	NA	NA	NA	NA	NA	1,896	NS (1,266)	NS (955)	NS (638)	NS (327)	11	NS (566)	1,130	989	1,200	NS (754)	300	480	6,900	950	NA
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.088
MW-33A	NA	NA	NA	NA	NA	9.7	NS (14)	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
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)	<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
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)	<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
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)	<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
MW-44A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6	NS (15)	24	7.8	0.97	NS (2.5)	4	NS (2.1)	<0.070	2.3	4.8
MW-47A	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	442	NS (257)	69	492	600	NS (521)	440	NS (286)	130	270	<0.050
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)	<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
MW-51A	NA	NA	NA	NA	NA	NA	NA	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
MW-52A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	964	NS (947)	929	NS (832)	NS (734)	NS (638)	540	NS (470)	NS (400)	330	96
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	630	NS (511)	390	NS (370)	NS (350)	330	250
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	730	NS (2,104)	3,500	NS (3,500)	3,500	13,000	1,900
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	220	NS (215)	210	NS (134)	57	<0.050	82
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)	<0.070	NS (0.13)	0.2	NS (0.99)	1.8	<0.050	<0.050
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)	0.28	NS (0.18)	<0.070	NS (0.070)	<0.070	<0.050	<0.050
MW-60AR	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)	0.41	NS (0.24)	<0.070	<0.070	<0.070	<0.050	<0.050
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)	0.14	NS (0.11)	<0.070	<0.070	<0.070	<0.050	0.053
MW-68A	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	3.8	0.074	<0.050	<0.050
MW-77A	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
MW-79A	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)
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)
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)
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)
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)
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)
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)
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150	NS (153)	NS (157)	160	110

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-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	2H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023
MW-01A	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	<0.019	14
MW-02	<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	0.068	0.33
MW-03	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	<0.019
MW-04	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	<0.019
MW-05	<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	0.033	<0.019
MW-07	<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	<0.019
MW-08	<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	<0.019	<0.019
MW-09	<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	<0.019	<0.019
MW-10A	<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	<0.019	0.044
MW-11A	<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	<0.019	<0.019
MW-12A	170	48	306	39	121	67	NS (34)	<0.019	13	2.3	12	13	41	18	60	7.1	26
MW-13	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	<0.019	<0.019
MW-15A	46	10	124	48	59	7.6	NS (8.7)	9.8	7.7	18	14	13	20	4	0.16	53	13
MW-16	45	47	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	510	1,240	1,040	857	636	380	NS (306)	230	390	<0.019	620	210	94	290	370	330	330
MW-18A	640	745	819	996	589	340	NS (221)	100	470	360	540	450	280	440	400	490	140
MW-20A	360	191	NS (189)	NS (187)	NS (185)	170	NS (120)	69	72	75	230	80	190	94	250	210	110
MW-22A	<0.59	NS (0.42)	NS (0.24)	<0.069	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22AR	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	<0.019	<0.19
MW-24AR	<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)	NS (0.092)	NS (0.092)
MW-25A	<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	<0.019	<0.019
MW-26A	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	<0.019	<0.019
MW-27A	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	<0.19
MW-28A	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	<0.019	<0.019
MW-29A	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	670	1,010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-31A	830	1,170	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	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	<0.019	1.8
MW-33A	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	0.2	<0.019
MW-35A	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	<0.019	0.073
MW-36A	<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	<0.019	<0.019
MW-38A	<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	0.058	<0.019
MW-44A	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	<0.019	<0.19
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.019	<0.019	0.023	<0.019	<0.019	<0.019	<0.019	<0.19
MW-49A	<0.050	218	216	267	293	7.9	NS (4.0)	<0.019	<0.019	130	95	170	41	130	160	<0.019	49
MW-50A	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	<0.019	<0.019
MW-51A	<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	<0.019	<0.019
MW-52A	160	165	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-55A	310	<0.066	468	463	486	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57A	3,100	13,900	1,500	8,240	616	NS (317)	NS (275)	NS (232)	190	180	150	180	110	2,000	150	90	3.2
MW-58A	7.6	243	<0.070	<0.066	373	140	NS (71)	0.072	15	80	48	22	5.7	27	8.8	5.6	3.5
MW-59A	<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	0.054	<0.019
MW-60A	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	NA	NA
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.019	<0.019	<0.019	<0.019	<0.019	0.02	<0.019	<0.019
MW-61A	<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	<0.019	<0.019
MW-64A	<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	<0.019	<0.019
MW-68A	NA	NA	NA	NA	NA	NA	NA	0.026	0.12	0.048	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.19
MW-69A	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	0.25	<0.019
MW-77A	NA	NA	NA	NA	57	280	NS (141)	<0.020	200	220	2.3	280	82	150	63	70	40
MW-78A	NA	NA	NA	NA	879	NS (402)	NS (335)	NS (266)	NS (199)	130	440	460	200	320	580	560	260
MW-79A	NA	NA	NA	NA	654	440	NS (271)	100	51	430	70	340	290	100	180	73	2.8
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)	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.19
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)	<0.019	0.45	<0.019	<0.019	0.074	<0.019	<0.019	<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)	<0.019	<0.019	11	<0.019	<0.019	<0.019	0.31	<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)	<0.019	<0.019	<0.038	<0.019	<0.019	<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)	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	0.52
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)	<0.019	<0.019	<0.020	<0.019	<0.019	0.54	<0.019	<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)	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
TW-56A	52	123	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, 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

	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
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
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)
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)
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
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)
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)
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)
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)
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)
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)
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)
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)
MW-15A	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
MW-17	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
MW-20A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22A	NS (0.80)	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-22AR	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)
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)
MW-26A	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)
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)
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)
MW-30A	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
MW-32A	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
MW-33A	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)
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)
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)
MW-44A	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
MW-49A	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
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)
MW-52A	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
MW-57A	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
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)
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)
MW-60AR	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)
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)
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)
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)
MW-77A	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
MW-79A	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)
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)
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)
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)
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)
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)
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)
TW-56A	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

	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	1H-2007	1H-2008	2H-2008	1H-2009	1H-2010	2H-2010
MW-01A	<5.0	<5.0	9	11	15	11	124	NS (64)	2	2	1	<2.0	<2.0	<2.0	<1.4	4.2	NS (1.9)	NS (0.81)	<0.25	NS	NS	NS
MW-02	<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)	<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
MW-03	<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)	<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)
MW-04	<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)	<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)
MW-05	<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	<1.4	<1.4	<2.6	<0.25	NS (0.36)	NS (0.46)	NS (0.68)	NS (0.79)
MW-07	<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)	<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)
MW-08	<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)	<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)
MW-09	<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	<1.4	<1.4	<2.6	<0.25	NS (0.36)	NS (0.46)	NS (0.68)	NS (0.79)
MW-10A	<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	<1.4	<1.4	NS (0.76)	NS (0.42)	<0.25	NS (0.25)	NS (0.25)	NS (0.25)
MW-11A	<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)	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)
MW-12A	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)	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)
MW-13	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 (2.2)	NS (2.3)	<2.6	<0.25	<0.25	<0.50	<0.50	NS (0.50)
MW-15A	NA	NA	NA	6.8	NS (6.1)	NS (5.3)	NS (3.8)	3	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)
MW-16	NA	NA	NA	10	NS (48)	NS (86)	NS (162)	200	NS (127)	55	5	72	13	44	NS (44)	NS (44)	44	38	110	48	58	NS (42)
MW-17	NA	NA	NA	580	NS (505)	NS (428)	NS (275)	200	NS (220)	NS (239)	NS (259)	NS (278)	NS (298)	NS (318)	NS (376)	NS (416)	494	545	448	650	650	NS (481)
MW-18A	NA	NA	NA	700	NS (680)	NS (660)	NS (620)	600	NS (1,052)	1,500	490	570	970	530	NS (474)	NS (437)	362	503	321	480	510	NS (530)
MW-20A	NA	NA	NA	NA	NA	NA	NA	30	NS (28)	26	22	48	48	47	NS (56)	NS (62)	74	61	NS (66)	NS (72)	NS (82)	NS (87)
MW-22A	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)	<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)
MW-22AR	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)	<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)
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)	<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)
MW-26A	NA	NA	NA	NA	NA	NA	NA	NA	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)
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)	<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)
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)	<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)
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)	<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)
MW-30A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	213	NS (208)	197	147	NS (146)	NS (145)	NS (143)	NS (142)
MW-31A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192	NS (186)	174	178	NS (173)	NS (167)	NS (156)	NS (151)
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	455	NS (1,141)	2,510	884	884	690	340	1,500
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	NS (18)	30	<0.25	6.2	0.74	3.4	NS (4.5)
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)	<2.6	<0.25	<0.25	<0.50	<0.50	NS (0.50)
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)	<2.6	<0.25	<0.25	<0.50	<0.50	NS (0.50)
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)	<2.6	<0.25	<0.25	<0.50	<0.50	NS (0.50)
MW-44A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.8	7.5	6.4	3	2.6	NS (1.6)
MW-47A	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	81	11	165	240	290	NS (174)
MW-50A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.6	<0.25	<1.1	<0.50	<0.50	NS (0.50)
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)	<2.6	<0.25	NS (0.37)	<0.50	<0.50	NS (0.50)
MW-52A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	696	58	NS (44)	NS (31)	4.7	NS (4.0)
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190	72	NS (71)
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	260	470	NS (351)
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52	75	NS (55)
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)	<0.50	<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)	<0.50	<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
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)	<0.50	<0.50	<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)	<0.50	<0.50	<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)
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)	<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
MW-78A	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
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)
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)
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)
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)
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)
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)
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)
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	260	NS (263)

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-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	1H-2023	2H-2023
MW-01A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-03	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	<0.20	<0.20
MW-04	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	<0.20	<0.20
MW-05	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	<0.20	<0.20
MW-07	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	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	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	<0.20	<0.20
MW-10A	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	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	<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	<0.20	<0.20
MW-13	<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	<0.20	<0.20
MW-15A	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	<0.20	<0.20
MW-16	25	68	25	56	38	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	310	450	240	460	435	174	324	576	610	350	540	<0.20	410	300	480	420	500	270	610
MW-18A	550	590	280	680	636	491	239	483	220	1,200	160	410	590	63	290	480	540	290	320
MW-20A	NS (93)	98	57	89	75	NS (73)	NS (72)	NS (71)	62	24	13	20	24	18	13	7.7	8.2	8.2	7.5
MW-22A	<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	NA	NA
MW-22AR	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	<0.20	<0.20
MW-24AR	<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)	NS (0.20)	NS (0.20)
MW-25A	<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	<0.20	<0.20
MW-26A	<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	<0.20	<0.20
MW-27A	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	<0.20	<0.20
MW-28A	<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	<0.20	<0.20
MW-29A	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	NS (141)	140	130	140	117	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-31A	NS (145)	140	140	110	135	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32A	610	1,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	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	<0.20
MW-33A	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	<0.20
MW-35A	<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	<0.20	<0.20
MW-36A	<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	<0.20	<0.20
MW-38A	<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	<0.20	<0.20
MW-44A	<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	<0.20	<0.20
MW-47A	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
MW-49A	57	200	<50	42	114	94	57	108	16	4	<0.20	300	130	120	5.5	62	55	<0.20	150
MW-50A	<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	<0.20	<0.20
MW-51A	<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	<0.20	<0.20
MW-52A	NS (3.2)	2.5	1.7	5.3	4.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-55A	NS (71)	70	150	170	133	145	72	88	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57A	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	25	1.8
MW-58A	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	5.6	11
MW-59A	<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	<0.20	<0.20
MW-60A	<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	NA	NA
MW-60AR	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
MW-61A	<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	<0.20	<0.20
MW-64A	<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	<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)	<0.20	<0.20	<0.20	<0.20	<0.20	0.39	<0.20	<0.20	<0.20	<10
MW-69A	<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	<0.20	<0.20
MW-77A	NA	NA	NA	NA	NA	NA	NA	<0.080	63	<0.20	63	58	21	<0.20	44	54	15	23	26
MW-78A	NA	NA	NA	NA	NA	NA	NA	57	NS (32)	NS (25)	NS (22)	18	150	190	93	270	220	180	180
MW-79A	NA	NA	NA	NA	NA	NA	NA	49	1,000	450	13	120	180	320	300	100	290	46	<1.0
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)	<0.20	<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)	<0.20	<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)	<0.20	<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)	<0.20	<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)	<0.20	<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)	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<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)	<0.20	0.24	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
TW-56A	NS (267)	270	150	260	238	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, 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
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
MW-02	<10	230	190	180	62	<10	93	53	<10	<10	31	<10	19	<10	77	50	<10	20	<10	NS (13)	17
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
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
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
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
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
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
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
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
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)
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)
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)
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)
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)
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)
MW-20A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	400	NS (375)
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)
MW-22AR	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
MW-25A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2
MW-26A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14
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)
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)
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)
MW-30A	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
MW-32A	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
MW-33A	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
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)
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)
MW-44A	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
MW-49A	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
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)
MW-52A	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
MW-57A	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
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)
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)
MW-60AR	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)
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)
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)
MW-69A	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
MW-78A	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
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)
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)
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)
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)
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)
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)
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)
TW-56A	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

	2H-2000	1H-2001	2H-2001	1H-2002	2H-2002	1H-2004	1H-2005	2H-2005	1H-2006	2H-2006	1H-2007	2H-2007	1H-2008	2H-2008	1H-2009	2H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012
MW-01A	330	91	180	65	170	19	101	133	14	64	8.4	8.5	2.1	7.7	5.8	<0.70	1.6	6.7	<0.70	5.4	4.5
MW-02	33	8	10	12	14	19	16	2.5	15	7.7	4.9	17	11	6.7	<0.70	<0.70	<0.70	<0.70	<0.70	3.8	<0.50
MW-03	89	110	72	42	63	9.7	35	NS (28)	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)
MW-04	0.3	0.3	0.3	<0.30	<0.070	<0.076	<0.080	NS (0.075)	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)
MW-05	<0.30	<0.30	<0.30	<0.30	0.09	<0.076	0.22	NS (0.20)	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
MW-07	1	<0.30	<0.30	<0.30	0.08	<0.076	<0.080	0.15	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
MW-08	<0.30	1	<0.30	<0.30	<0.070	<0.076	<0.080	<0.080	<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
MW-09	<0.30	<0.30	<0.30	<0.30	<0.070	<0.076	0.26	NS (0.21)	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
MW-10A	0.6	<0.30	0.4	<0.30	<0.070	<0.076	<0.080	<0.080	<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
MW-11A	120	140	130	190	99	0.46	12	9.6	<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
MW-12A	230	400	320	340	220	NS (195)	NS (178)	NS (170)	NS (162)	NS (153)	145	NS (135)	125	212	180	NS (180)	180	NS (165)	150	25	130
MW-13	<0.30	<0.30	<0.30	<0.30	<0.070	NS (0.063)	NS (0.059)	NS (0.057)	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
MW-15A	190	430	130	100	110	NS (85)	NS (68)	NS (60)	NS (51)	NS (43)	35	NS (29)	24	156	47	NS (47)	48	NS (49)	50	78	28
MW-16	240	180	220	180	200	NS (216)	NS (227)	NS (233)	NS (238)	NS (244)	249	NS (181)	112	253	140	NS (130)	120	NS (125)	130	130	98
MW-17	NS (196)	NS (194)	NS (193)	NS (191)	NS (189)	NS (183)	NS (179)	NS (178)	NS (176)	NS (174)	172	NS (144)	115	195	79	NS (114)	150	NS (309)	470	190	93
MW-18A	260	520	310	240	220	NS (223)	NS (226)	NS (227)	NS (228)	NS (229)	230	NS (231)	233	290	120	NS (140)	160	NS (155)	150	230	75
MW-20A	350	170	360	290	260	NS (262)	NS (264)	NS (265)	NS (265)	NS (266)	267	NS (170)	71	NS (81)	NS (91)	NS (101)	NS (110)	NS (120)	NS (130)	140	73
MW-22A	<0.30	0.3	<0.30	<0.30	<0.070	NS (0.13)	NS (0.17)	NS (0.19)	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
MW-22AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24AR	<0.30	<0.30	<0.30	<0.30	<0.070	NS (0.21)	NS (0.30)	NS (0.34)	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
MW-25A	16	36	14	1	2	NS (1.4)	NS (0.99)	NS (0.79)	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
MW-26A	5	5	7	3	5	NS (4.5)	NS (4.1)	NS (3.9)	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
MW-27A	NS (0.30)	<0.30	<0.30	<0.30	<0.070	NS (0.067)	NS (0.064)	NS (0.063)	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)
MW-28A	NS (0.30)	<0.30	<0.30	<0.30	<0.070	NS (0.063)	NS (0.059)	NS (0.057)	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
MW-29A	NS (0.50)	0.5	0.4	<0.30	<0.070	NS (0.063)	NS (0.059)	NS (0.057)	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)
MW-30A	NA	NA	NA	NA	NA	262	NS (282)	NS (292)	NS (302)	NS (312)	322	NS (240)	156	NS (169)	NS (183)	NS (196)	NS (210)	NS (223)	NS (237)	250	210
MW-31A	NA	NA	NA	NA	NA	255	NS (278)	NS (290)	NS (302)	NS (314)	326	NS (248)	169	NS (192)	NS (215)	NS (238)	NS (261)	NS (284)	NS (307)	330	260
MW-32A	NA	NA	NA	NA	NA	339	NS (286)	NS (260)	NS (234)	NS (208)	181	NS (239)	298	260	320	NS (231)	140	210	3,200	270	NA
MW-32AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.96
MW-33A	NA	NA	NA	NA	NA	5.3	NS (8.4)	NS (9.9)	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
MW-35A	NA	NA	NA	NA	NA	NA	NA	NA	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
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)	<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
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)	<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
MW-44A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	NS (38)	64	125	54	NS (32)	8.7	NS (4.7)	0.72	1.4	1
MW-47A	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	176	NS (162)	148	293	210	NS (185)	160	NS (118)	75	90	<0.050
MW-50A	NA	NA	NA	NA	NA	NA	NA	NA	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
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)	<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
MW-52A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	258	NS (315)	373	NS (350)	NS (326)	NS (303)	280	NS (253)	NS (227)	200	140
MW-55A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200	NS (165)	130	NS (127)	NS (123)	120	84
MW-57A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	210	NS (1,048)	1,900	NS (1,801)	1,700	8,600	860
MW-58A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	230	NS (230)	230	NS (155)	79	1.7	130
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)	<0.080	NS (0.39)	0.7	NS (0.84)	0.99	<0.050	<0.050
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)	0.35	NS (0.22)	<0.080	NS (0.080)	<0.080	<0.050	<0.050
MW-60AR	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)	<0.080	NS (0.080)	<0.080	<0.080	<0.080	<0.050	<0.050
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)	0.12	NS (0.10)	<0.080	<0.080	<0.080	1.3	<0.050
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)
MW-69A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	0.22	<0.050	<0.050
MW-77A	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
MW-79A	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)
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)
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)
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)
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)
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)
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)
TW-56A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	43	NS (59)	NS (74)	90	49

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

	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	2H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023
MW-01A	25	14	24	<9.5	13	1.6	15	1.9	5.8	3.6	9	0.65	5.9	4.5	2.9	1.9	8.4
MW-02	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	0.45	0.39
MW-03	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	<0.020	<0.020
MW-04	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	<0.020	<0.020
MW-05	<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	0.023	<0.020
MW-07	<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	<0.020	<0.020
MW-08	<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	<0.020	<0.020
MW-09	<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	<0.020	<0.020
MW-10A	<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	<0.020	<0.020
MW-11A	<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	<0.020	<0.020
MW-12A	160	170	317	220	193	200	NS (101)	0.031	140	230	64	160	170	67	220	86	99
MW-13	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	<0.020	<0.020
MW-15A	46	42	104	69	57	29	NS (26)	23	35	36	24	20	41	14	7.7	38	11
MW-16	170	158	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	130	275	253	211	148	92	NS (82)	72	120	<0.020	100	61	92	95	110	69	86
MW-18A	210	188	279	326	204	160	NS (104)	47	190	200	97	190	92	160	160	160	57
MW-20A	150	80	NS (85)	NS (90)	NS (95)	130	NS (99)	67	77	79	86	49	97	55	110	74	57
MW-22A	<0.48	NS (0.65)	NS (0.83)	1	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22AR	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	<0.020	<0.20
MW-24AR	<0.050	<0.076	<0.076	0.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-25A	<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	<0.020	<0.020
MW-26A	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	<0.020	<0.020
MW-27A	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	<0.020	<0.20
MW-28A	<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	<0.020	<0.020
MW-29A	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	200	308	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-31A	260	367	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32AR	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	<0.020	2
MW-33A	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	0.23	<0.020
MW-35A	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	0.1	0.15
MW-36A	<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	<0.020	<0.020
MW-38A	<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	0.1	<0.020
MW-44A	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	<0.020	<0.20
MW-47A	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.020	<0.020	<0.066	<0.020	<0.020	<0.020	<0.020	<0.20
MW-49A	9.9	85	81	90	94	4.9	NS (2.5)	<0.020	<0.020	37	44	57	22	65	76	<0.020	17
MW-50A	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	<0.020	<0.020
MW-51A	<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	<0.020	<0.020
MW-52A	130	178	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-55A	78	27	<3.9	150	140	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57A	1,700	7,280	799	4,690	257	NS (130)	NS (112)	NS (94)	76	150	67	86	54	1,400	81	98	23
MW-58A	8.8	128	<0.080	<0.076	136	91	NS (52)	13	59	130	47	80	11	9.8	4.3	1.3	1.7
MW-59A	<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	0.023	<0.020
MW-60A	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	NA	NA
MW-60AR	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.020	<0.020	<0.020	0.071	<0.020	<0.020	<0.020	<0.020
MW-61A	<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	<0.020	<0.020
MW-64A	<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	<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)	<0.020	0.082	<0.020	<0.027	0.066	<0.020	<0.020	<0.020	<0.020	<0.20
MW-69A	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	0.17	<0.020
MW-77A	NA	NA	NA	NA	23	90	NS (45)	<0.021	96	79	4	80	25	54	25	23	12
MW-78A	NA	NA	NA	NA	411	NS (184)	NS (152)	NS (120)	NS (88)	55	260	220	88	200	240	260	91
MW-79A	NA	NA	NA	NA	342	140	NS (89)	37	26	140	24	96	75	31	64	26	2.5
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)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.20
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)	<0.020	0.38	<0.020	<0.020	0.079	<0.020	<0.020	0.85
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)	<0.020	<0.020	4.6	<0.020	<0.020	<0.020	0.061	0.05
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)	<0.020	<0.020	0.02	<0.020	<0.020	<0.021	<0.020	<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)	<0.020	<0.020	0.033	<0.020	<0.020	<0.020	<0.020	0.14
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)	<0.020	<0.024	<0.021	<0.020	<0.020	0.18	<0.020	<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)	<0.020	<0.021	0.046	<0.020	<0.020	<0.020	<0.020	<0.020
TW-56A	38	108	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, 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)	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	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	1H-2023	2H-2023
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	0.085	5.3
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	0.052	0.25
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	0.023	<0.020
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	0.043	<0.020
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	0.27	<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	<0.020	0.094
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	<0.020	<0.020
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	0.045	<0.020
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	<0.020	0.23
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	<0.020	0.061
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	16	<1.3
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	<0.020	<0.073
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	58	40
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	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	8,200	7,300
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	3,300	820
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	1,900	1,100
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	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	<0.020	<0.20
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	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	0.077	<0.020
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	0.69	0.14
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	<0.020	<0.20
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	<0.020	0.05
MW-29A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-30A	NS (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	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	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	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	<0.020	1.3
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	1.5	0.061
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	0.31	<0.020
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	0.087	0.028
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	0.039	<0.020
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	<0.020	<0.20
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	<0.020	<0.20
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	<0.020	740
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	<0.020	<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	<0.020	<0.020
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	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	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	140	<0.32
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	4.8	53
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	0.091	<0.020
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	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	<0.020	0.12
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	<0.020	0.18
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	0.09	<0.020
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	<0.020	<0.20
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	1.9	<0.020
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	1,600	640
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	9,400	4,400
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	1,200	40
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	<0.020	<0.20
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	<0.020	<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	6.3	<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	0.02	<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)	<0.020	<0.020	<0.020	<0.056	<0.020	<0.086	0.023	6.2
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	<0.020	<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)	0.042	<0.11	0.1	<0.020	0.092	<0.098	<0.020	<0.020
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	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

2,4-Dimethylphenol B-CZ/TZ Input Data

	2H-1993	1H-1994	2H-1994	1H-1995	2H-1995	1H-1996	2H-1996	1H-1997	2H-1997	1H-1998	1H-1999	2H-1999	1H-2000	2H-2003	1H-2004	1H-2005	1H-2007	1H-2008	2H-2008	1H-2009	1H-2010
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)	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)	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)	NS (3.1)
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	<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)	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	<0.080
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24B	NS (1.0)	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	<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)	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	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	3.5
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35B	NS (0.19)	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	<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)	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	<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	<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	14
MW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	108	NS (110)	115	104	NS (101)	NS (99)	NS (94)
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)	<0.080
MW-49B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31	1,200
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)	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)	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	NA
MW-57B	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
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)	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)	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	<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)	<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)	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
MW-70B	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
MW-72B	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
MW-74B	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
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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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	<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)	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)	<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

	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	2H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023
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)	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)	NS (0.31)
MW-12B	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	1.2	<4.0
MW-14	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	<0.040	<0.040
MW-15B	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	<0.040	<0.040
MW-22B	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	NA	NA
MW-22BR	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	2	<0.40
MW-24B	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)	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)	NS (0.30)
MW-32B	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	7,700	11,000
MW-33B	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	NA	NA
MW-33BR	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	<0.40	2.3
MW-35B	<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	<0.040	<0.040
MW-36B	<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	<0.040	<0.040
MW-38B	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	<0.040	<0.040
MW-39B	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	<0.040	<0.040
MW-40B	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	<0.040	<0.040
MW-41B	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	5.4	<20
MW-42B	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	<0.040	<0.040
MW-49B	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	2,400	2,300
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)	<0.040	<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)	<0.040	<0.040	<0.040	<0.052	<0.040	<0.040	<0.040	<0.040
MW-55B	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	NS	NS
MW-57B	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	3,400	2,400
MW-59B	<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	<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)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.40
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)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-62B	<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	<0.040	<0.040
MW-63B	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	<0.040	7.1
MW-67B	<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	<0.040	<0.040
MW-68B	NA	NA	NA	190	270	273	<15	536	451	230	NS (145)	58	76	75	25	3.2	400	21	46	31	6.4
MW-70B	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	22,000	13,000
MW-71B	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	<0.040	<0.040
MW-72B	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	4,500	8,200
MW-73B	NA	NA	NA	7	2.8	<0.29	<0.30	0.95	<0.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-74B	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	0.37	<0.040
MW-75B	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 (20)	NS (18)	NS (15)	13
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)	<0.040	0.21	<0.040	<0.040	<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)	<0.31	<0.040	NS (0.040)	<0.040	<0.040	0.28	<0.040	0.16	<0.040	<0.040	<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)	<0.30	<0.040	NS (0.040)	<0.040	<0.040	<0.040	0.63	<0.040	<0.040	<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)	<0.040	NS (0.040)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	NS (0.040)	<0.040	<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)	<0.040	<0.040	<0.040	<0.040	0.072	0.76	<0.040	0.093	<0.040	<0.040	4	<0.40
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)	1.7	0.48	<0.16	0.81	0.48	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.40
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)	<0.040	<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)	<0.040	<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)	<0.040	<0.040	<0.040	0.075	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.40
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)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.40
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)	<0.040	<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)	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	1.3
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)	<0.040	<0.040	0.24	<0.040	<0.040	<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)	NS (0.30)
P-11	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	<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)	NS (0.30)
TW-41B	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	<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 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
MW-10B	NA	NA	500	520	230	87	299	97	10	<10	<10	NS (5.5)	1	40	0.5	<0.30	1
MW-11B	NA	NA	310	270	190	43	249	1,400	19	<10	43	NS (23)	2	150	56	56	26
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)
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
MW-15B	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
MW-22BR	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
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
MW-32B	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
MW-33BR	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
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)
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)
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)
MW-40B	NA	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	NA
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)
MW-49B	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
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)
MW-55B	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
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)
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)
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)
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)
MW-63B	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)
MW-68B	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
MW-71B	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
MW-73B	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
MW-75B	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
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)
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)
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)
MW-83B	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
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)
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)
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)
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)
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)
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)
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)
P-10	90	55	80	120	86	38	134	<10	<10	18	32	NS (95)	160	210	140	140	99
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
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
TW-41B	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

	2H-2002	2H-2003	1H-2004	1H-2005	1H-2007	1H-2008	2H-2008	1H-2009	2H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013
MW-10B	18	NS (6.1)	0.13	0.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-11B	92	NS (32)	1.6	<0.070	NS (2.8)	NS (4.2)	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)
MW-12B	NS (409)	NS (445)	NS (463)	NS (500)	572	508	NS (521)	NS (535)	NS (548)	NS (561)	NS (574)	NS (588)	NS (601)	NS (614)	NS (627)	NS (641)	NS (654)
MW-14	3	NS (2.6)	NS (2.5)	NS (2.1)	1.4	0.47	0.78	0.78	NS (0.71)	0.64	NS (0.52)	0.39	0.34	0.17	0.44	0.4	0.3
MW-15B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	290	23	<0.74	3.3
MW-22B	<0.070	0.27	NS (0.29)	NS (0.31)	NS (0.37)	<0.40	<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)
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24B	<0.070	NS (0.068)	NS (0.067)	NS (0.064)	<0.060	<0.38	<0.40	<0.070	NS (0.084)	0.099	NS (0.085)	<0.070	<0.050	<0.050	<0.050	<0.067	<0.069
MW-29B	0.07	NS (0.068)	NS (0.067)	NS (0.064)	<0.060	<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	NA	NA	NA	NA	530	0.19	<17	NS (76)
MW-33B	NA	NA	NA	NA	1,110	443	808	1,900	NS (1,310)	710	NS (616)	520	1,600	810	550	NA	NA
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	993	198
MW-35B	NA	NA	NA	NA	1,340	464	56	400	NS (435)	470	360	410	480	180	260	295	431
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)	<0.070	<0.070	<0.050	<0.050	<0.050	<0.76	<0.070
MW-38B	NS (0.067)	NS (0.067)	<0.067	NS (0.065)	<0.060	<0.40	<0.38	0.37	NS (0.22)	<0.070	NS (0.070)	<0.070	<0.050	<0.050	<0.30	<0.067	<0.066
MW-39B	NS (0.28)	NS (0.28)	0.28	NS (0.24)	0.15	<0.40	<0.39	<0.070	NS (0.070)	<0.070	NS (0.078)	0.086	<0.050	<0.050	0.069	<0.066	<0.067
MW-40B	NA	NA	<0.069	NS (174)	521	522	4,410	580	NS (535)	490	NS (381)	270	240	200	280	302	309
MW-41B	NA	NA	751	NS (768)	802	305	NS (320)	NS (335)	NS (351)	NS (366)	NS (381)	NS (396)	NS (411)	NS (427)	NS (442)	NS (457)	NS (472)
MW-42B	NS (0.060)	NS (0.060)	NS (0.060)	NS (0.060)	<0.060	<0.39	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
MW-49B	NA	NA	NA	NA	NA	NA	NA	140	NS (71)	1.6	NS (0.84)	<0.070	2.9	9.5	180	297	223
MW-50B	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)
MW-55B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	280	640	757	868
MW-57B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	920	1,600	1,750	1,070
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)	<0.070	<0.070	<0.050	<0.050	<0.050	<0.066	<0.067
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)
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)
MW-62B	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	NS (0.12)	0.12	NS (0.85)	1.6	0.64	<0.070	<0.050	<0.050	<0.060	<0.17	<0.067
MW-63B	NA	NA	NA	NA	NA	NA	NA	NA	NA	110	NS (68)	25	14	2.9	3.4	10	2.4
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)	<0.070	<0.070	<0.050	0.23	0.062	<0.067	<0.066
MW-68B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	660	1,300	952	1,410
MW-70B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	940	1,210	NS (1,304)
MW-71B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.6	<0.40	0.38	114
MW-72B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	740	1,390	1,190
MW-73B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.55	0.11	<0.066	0.088
MW-74B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	390	430	673	NS (3,077)
MW-75B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	620	600	101	NS (1,628)
MW-76B	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)
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)
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)
MW-83B	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
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)
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)
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)
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)
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)
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)
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)
P-10	5	NS (1.7)	<0.067	<0.070	NS (0.24)	NS (0.33)	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)
P-11	<0.070	NS (0.75)	1.1	2.5	NS (1.4)	0.78	<0.38	<0.070	NS (0.070)	<0.070	NS (0.070)	<0.070	<0.050	0.23	<0.052	0.13	<0.067
P-12	<0.070	NS (0.068)	<0.067	<0.070	NS (0.44)	NS (0.62)	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)
TW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.070	NS (5.0)	NS (10)	15	<0.050	<0.10	<0.066	0.26

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

	1H-2014	2H-2014	1H-2018	2H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023
MW-10B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-11B	NS (12)	13	NS (27)	NS (28)	NS (30)	NS (32)	NS (34)	NS (36)	NS (38)	40	NS	NS	NS	NS
MW-12B	NS (667)	NS (681)	NS (774)	NS (787)	NS (800)	NS (813)	<320,000 (827)	840	20	120	330	1,000	200	240
MW-14	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	<0.019	<0.019
MW-15B	3.3	6.2	0.15	NS (0.085)	<0.019	16	<0.019	13	3	29	<0.41	23	3	<0.076
MW-22B	0.41	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22BR	NA	NA	0.56	NS (0.29)	<0.019	<0.019	<0.043	<0.019	<0.019	<0.019	<0.019	<0.32	<0.019	<0.19
MW-24B	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)	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)
MW-32B	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	500	680
MW-33B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	56	277	2.9	NS (1.5)	<0.019	14	0.25	22	87	110	35	52	72	35
MW-35B	534	376	250	NS (131)	11	41	140	68	160	18	22	75	31	30
MW-36B	<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	<0.019	<0.019
MW-38B	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	<0.019	<0.019
MW-39B	<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	<0.019	<0.13
MW-40B	350	263	130	NS (104)	77	180	340	270	300	220	140	99	52	140
MW-41B	NS (488)	NS (503)	NS (609)	NS (624)	NS (640)	NS (655)	670	92	58	89	310	880	350	370
MW-42B	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	<0.019	<0.019
MW-49B	691	276	72	NS (113)	NS (155)	NS (197)	<250,000 (238)	280	200	1,500	640	490	520	530
MW-50B	NA	NA	NA	NA	NA	NA	16	<0.040	<0.019	<0.019	0.038	<0.019	<0.019	<0.019
MW-54B	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	<0.019	<0.019
MW-55B	901	512	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57B	892	945	610	NS (716)	NS (824)	930	1,100	410	120	460	280	610	490	290
MW-59B	<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	<0.019	<0.019
MW-60B	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	<0.019	<0.19
MW-61B	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	<0.019	<0.019
MW-62B	<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	<0.019	<0.019
MW-63B	7.6	30	1.6	NS (22)	42	37	<0.056	6	<0.33	29	9.9	25	43	19
MW-67B	<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	<0.019	<0.019
MW-68B	1,190	906	1,400	NS (869)	330	720	1,100	2,900	210	6,300	290	690	600	220
MW-70B	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)	770	840
MW-71B	48	<0.068	1.7	NS (0.87)	<0.019	24	6	2.6	0.34	2.1	<0.019	0.092	<0.019	<0.019
MW-72B	3,370	NS (3,005)	420	NS (247)	71	570	220	99	200	250	480	420	140	240
MW-73B	16	<0.069	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-74B	5,520	950	2,400	NS (1,319)	220	480	1,300	600	130	700	2,500	7,400	<0.019	<0.019
MW-75B	3,180	546	NS (714)	NS (738)	NS (762)	NS (786)	810	110	0.071	76	NS (203)	NS (328)	NS (455)	580
MW-76B	NA	NA	NA	NA	NA	NA	<0.019	0.2	<0.019	<0.019	0.086	<0.019	<0.019	<0.019
MW-80B	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	<0.019	<0.019
MW-81B	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	<0.019	<0.019
MW-82B	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)	<0.019	<0.019
MW-83B	NA	NA	750	76	86	50	78	25	97	150	150	31	12	43
MW-84B	NA	NA	580	200	<0.019	2.7	6.5	0.4	<0.019	0.04	<0.019	<0.019	<0.019	<0.19
MW-88B	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	<0.019	<0.019
MW-89B	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	<0.019	<0.019
MW-90B	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	<0.019	<0.19
MW-92B	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	<0.019	<0.19
MW-93B	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	<0.019	<0.019
MW-96B	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	<0.019	1.4
MW-98B	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	<0.019	<0.019
P-10	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)	NS (0.89)	NS (0.89)
P-11	0.26	<0.069	0.15	NS (0.085)	<0.019	0.05	0.076	<0.019	1	<0.019	0.48	<0.019	0.17	<0.019
P-12	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)	NS (0.066)	NS (0.066)
TW-41B	<0.085	13	26	NS (18)	9.8	67	7.1	29	2.8	87	39	75	<0.019	35

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

	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	6.1	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 (4.3)
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	1H-2023	2H-2023
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 (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)	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	<0.20	2.7
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	<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	1.3	<0.20
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	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	<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)	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)	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	45	2,700
MW-33B	2,400	2,000	NS (1,504)	1,000	1,600	2,000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	1,300	480
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	56	97
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	<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	<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	<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	6.3	7.9
MW-41B	NS (10)	NS (11)	NS (11)	NS (11)	NS (11)	NS (11)	NS (11)	NS (11)	NS (11)	NS (11)	NS (11)	NS (12)	NS (12)	NS (12)	NS (12)	12	16	10	14	38	11	<0.20	14
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	<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 (439)	NS (514)	600	500	380	470	610	540	230	470
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	<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	<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	NS	NS
MW-57B	NA	NA	NA	NA	NA	1,400	1,500	733	1,490	716	1,250	820	NS (827)	NS (833)	840	520	710	630	1,000	940	1,100	790	1,300
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	<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	<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	<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	<0.20	<0.20
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	230	240
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	<0.20	<0.20
MW-68B	NA	NA	NA	NA	NA	NA	2,700	2,400	2,350	2,880	1,510	2,180	2,200	NS (2,101)	2,000	1,400	1,400	2,300	150	810	71	130	1,700	2,400
MW-70B	NA	NA	NA	NA	NA	NA	210	2,010	NS (2,198)	2,390	2,550	NS (2,136)	NS (2,078)	NS (2,018)	NS (1,960)	1,900	1,500	1,100	1,600	1,900	2,300	1,800	2,000
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	<0.20	10
MW-72B	NA	NA	NA	NA	NA	NA	1,400	1,450	1,230	932	NS (965)	1,200	NS (917)	630	1,100	700	920	980	1,000	940	910	900	1,300
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	NS	NS
MW-74B	NA	NA	NA	NA	NA	350	710	552	NS (673)	795	652	710	NS (770)	830	590	120	780	7	140	540	400	<0.20	<0.20
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 (34)	NS (66)	NS (98)	130
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	<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	<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	<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)	<0.20	<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	6.9	4.3
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	<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	<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	<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	<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	<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	<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	<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	<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)	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	<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)	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	0.4	<1.0

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 B-CZ/TZ Input Data

	2H-1993	1H-1994	2H-1994	1H-1995	2H-1995	1H-1996	2H-1996	1H-1997	2H-1997	1H-1998	1H-1999	2H-1999	1H-2000	2H-2000	1H-2001	2H-2001	1H-2002	2H-2002	2H-2003	1H-2004
MW-10B	NA	NA	250	260	120	57	258	130	41	<10	34	NS (24)	15	200	36	29	32	76	NS (37)	17
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
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)
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)
MW-15B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	54	NS (41)	28	34	16	36	31	31	NS (28)
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	<0.30	<0.30	0.3	<0.30	<0.070	NS (0.066)	NS (0.063)
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)
MW-32B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-38B	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
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
MW-40B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.078
MW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	258
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)
MW-49B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-54B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-55B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-57B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-59B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	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)
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)
MW-62B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-63B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-67B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	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	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)
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)
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)
MW-83B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-88B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	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)
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)
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)
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)
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)
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)
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
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
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
TW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

<100 (21.0): Analyte not detected. Elevated detection limit, interpolated or extrapolated value shown.

NS (21.0): Well not sampled, 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 B-CZ/TZ Input Data

	1H-2005	2H-2005	1H-2006	2H-2006	1H-2007	2H-2007	1H-2008	2H-2008	1H-2009	2H-2009	1H-2010	2H-2010	1H-2011	2H-2011	1H-2012	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014
MW-10B	4.8	29	0.2	32	3.1	33	26	39	35	23	18	25	37	19	38	20	40	302	<4.9	26
MW-11B	0.27	29	26	36	3	41	27	65	31	54	12	48	6	38	<0.50	40	3.5	23	<11	20
MW-12B	NS (271)	NS (276)	NS (281)	NS (285)	290	NS (247)	204	NS (226)	NS (249)	NS (271)	NS (293)	NS (315)	NS (337)	NS (360)	NS (382)	NS (404)	NS (427)	NS (449)	NS (471)	NS (493)
MW-14	NS (1.9)	NS (1.8)	NS (1.8)	NS (1.8)	1.8	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
MW-15B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150	52	13	59	51	27
MW-22B	NS (22)	NS (19)	NS (16)	NS (13)	NS (9.8)	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
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24B	NS (0.059)	NS (0.057)	NS (0.054)	NS (0.052)	<0.050	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)
MW-29B	NS (0.059)	NS (0.057)	NS (0.054)	NS (0.052)	<0.050	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)
MW-32B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	280	1.2	<19	NS (31)	43	NS (457)
MW-33B	NA	NA	NA	NA	175	NS (147)	118	205	460	NS (321)	180	NS (175)	170	530	380	150	NA	NA	NA	NA
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<385 (50)	50	77	87
MW-35B	NA	NA	NA	NA	391	NS (295)	198	104	160	NS (195)	230	220	200	210	97	140	161	252	256	138
MW-36B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.080	<0.080	<0.050	<0.050	0.11	<0.12	<0.080	<0.41	<0.078
MW-38B	NS (0.067)	NS (0.063)	NS (0.059)	NS (0.054)	<0.050	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
MW-39B	NS (0.12)	NS (0.15)	NS (0.17)	NS (0.19)	0.22	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
MW-40B	NS (85)	NS (127)	NS (170)	NS (212)	255	NS (247)	239	2,130	250	NS (235)	220	NS (157)	92	130	150	170	206	242	252	178
MW-41B	NS (343)	NS (385)	NS (427)	NS (469)	512	NS (329)	142	NS (152)	NS (163)	NS (173)	NS (183)	NS (194)	NS (204)	NS (214)	NS (225)	NS (235)	NS (245)	NS (256)	NS (266)	NS (276)
MW-42B	NS (0.050)	NS (0.050)	NS (0.050)	NS (0.050)	<0.050	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
MW-49B	NA	NA	NA	NA	NA	NA	NA	NA	71	NS (37)	2.6	NS (1.4)	0.18	1.8	19	120	200	<7.6	484	80
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-54B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-55B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150	230	<15	309	<385 (223)	138
MW-57B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	280	380	814	322	392	226
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)	<0.080	<0.080	<0.050	<0.050	<0.050	<0.076	<0.076	<0.076	<0.20
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)
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)
MW-62B	NA	NA	NA	NA	NA	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
MW-63B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22	NS (18)	13	4.9	2.4	2.6	5.8	1	2	6.6
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)	<0.080	<0.080	<0.050	0.13	<0.050	<0.076	<0.076	<0.077	<0.077
MW-68B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190	300	260	325	284	198
MW-70B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	690	345	NS (350)	355	278
MW-71B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1	<0.16	2.4	29	18	<0.078
MW-72B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180	355	348	1,210	NS (1,076)
MW-73B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.78	0.067	<0.076	<0.078	10	<0.079
MW-74B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250	190	252	NS (1,039)	1,840	<157
MW-75B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	290	230	53	NS (800)	1,560	214
MW-76B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-80B	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	NS (0.080)	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-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)	<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)
MW-83B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-84B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-88B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	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)
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)
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)
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)
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)
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)
P-10	0.89	31	33	9.5	4.4	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
P-11	13	NS (11)	NS (8.8)	NS (6.7)	NS (4.5)	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
P-12	<0.080	<0.080	<0.080	<0.060	<0.060	<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
TW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.080	NS (9.7)	NS (19)	29	<0.050	16	<0.076	10	<0.076	85

Dibenzofuran B-CZ/TZ Input Data

	1H-2018	2H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023
MW-10B	48	21	28	13	22	6.7	17	1.9	6.1	2.8	1.9	2.4
MW-11B	<0.020	32	<0.020	51	<0.020	24	5.7	34	9	20	2.1	21
MW-12B	NS (649)	NS (671)	NS (693)	NS (715)	<320,000 (738)	760	49	150	260	900	140	270
MW-14	0.24	NS (0.13)	<0.020	0.087	<0.020	0.062	0.21	0.028	<0.14	<0.020	<0.020	<0.020
MW-15B	2.5	NS (1.3)	0.14	13	<0.020	9.7	6.1	22	7.4	18	4.8	2.1
MW-22B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22BR	1.1	NS (0.70)	0.29	<0.020	<0.29	0.057	0.055	<0.020	0.12	<0.20	<0.020	<0.20
MW-24B	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)	NS (0.30)	NS (0.30)	NS (0.30)	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	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	95	250
MW-33B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	1.9	NS (1.00)	0.079	12	3.9	8.5	27	40	16	22	31	17
MW-35B	220	NS (118)	15	29	54	54	96	63	31	93	33	39
MW-36B	<0.020	NS (0.020)	<0.020	0.087	<0.12	0.4	<0.020	<0.020	0.038	<0.020	<0.020	<0.020
MW-38B	8	NS (4.0)	<0.020	0.14	5.4	<0.020	<0.020	0.15	<0.020	<0.020	<0.020	<0.020
MW-39B	0.1	NS (0.060)	<0.020	0.037	0.19	<0.11	<0.020	<0.020	<0.020	0.28	<0.020	<0.050
MW-40B	160	NS (115)	69	130	290	81	240	160	100	73	43	83
MW-41B	NS (349)	NS (359)	NS (369)	NS (380)	390	33	39	51	240	550	210	350
MW-42B	<0.020	NS (0.020)	<0.020	0.038	0.065	<0.020	0.078	<0.020	<0.020	<0.020	<0.020	<0.020
MW-49B	30	NS (42)	NS (53)	NS (65)	<160,000 (76)	88	210	760	330	330	350	270
MW-50B	NA	NA	NA	NA	15	0.58	0.52	<0.020	0.065	<0.020	<0.020	<0.020
MW-54B	NA	NA	NA	NA	0.076	<0.020	<0.040	<0.020	<0.020	<0.020	<0.020	<0.020
MW-55B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57B	290	NS (300)	NS (310)	320	490	56	38	150	68	180	140	110
MW-59B	<0.020	NS (0.020)	<0.020	<0.020	<0.050	<0.020	<0.069	<0.020	<0.020	<0.020	<0.020	<0.020
MW-60B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	0.023	<0.020	<0.020	<0.020	<0.020	<0.020	<0.20
MW-61B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-62B	48	NS (24)	<0.020	0.048	4.2	38	1.3	21	<0.020	45	<0.020	<0.020
MW-63B	2	NS (5.3)	8.7	11	<0.063	2.1	<0.84	9.1	4.1	5.6	8.8	4.9
MW-67B	0.069	NS (0.045)	<0.020	<0.020	<0.020	<0.020	<0.032	<0.020	<0.020	<0.020	<0.020	<0.020
MW-68B	380	NS (251)	120	210	500	1,300	69	3,200	120	280	170	86
MW-70B	NS (4,049)	NS (4,582)	NS (5,125)	NS (5,658)	6,200	570	120	220	2,500	<76,000 (2,500)	270	350
MW-71B	4	NS (2.0)	<0.020	16	4.9	1.5	0.13	6.8	2.8	2	<0.020	0.21
MW-72B	130	NS (74)	17	160	61	52	46	66	88	110	44	59
MW-73B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-74B	1,400	NS (745)	79	190	720	270	85	280	1,600	4,800	<0.020	<0.020
MW-75B	NS (422)	NS (451)	NS (481)	NS (510)	540	47	7.3	410	NS (402)	NS (395)	NS (387)	380
MW-76B	NA	NA	NA	NA	<0.020	0.13	<0.020	0.058	0.075	<0.020	0.048	<0.020
MW-80B	<0.020	NS (0.020)	<0.020	<0.020	0.048	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-81B	<0.020	NS (0.020)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
MW-82B	<0.020	NS (0.020)	<0.020	<0.020	0.04	<0.020	0.045	<0.020	<0.020	NS (0.020)	<0.020	<0.020
MW-83B	170	23	20	14	23	7.7	31	42	37	8.6	3.9	15
MW-84B	220	77	<0.020	5.4	15	2.3	<0.020	<0.020	<0.020	<0.020	<0.020	<0.20
MW-88B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.024	<0.020	<0.020	0.12	0.051	<0.020	<0.020
MW-89B	NS (0.020)	<0.020	<0.020	<0.020	<0.11	<0.020	<0.020	<0.020	0.16	<0.020	<0.020	<0.020
MW-90B	NS (0.020)	<0.020	<0.020	<0.020	0.11	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.20
MW-92B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	<0.020	<0.020	0.38	<0.020	<0.020	<0.20
MW-93B	NS (0.071)	NS (0.071)	NS (0.071)	NS (0.071)	0.071	<0.020	<0.020	<0.020	<0.020	<0.033	<0.020	<0.020
MW-96B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.20
MW-98B	NS (0.020)	NS (0.020)	NS (0.020)	NS (0.020)	<0.020	<0.038	0.098	<0.020	0.085	<0.020	<0.020	<0.020
P-10	0.93	4.7	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
P-11	1.6	NS (0.82)	<0.020	0.079	0.16	<0.19	3.2	0.084	1.5	0.059	0.54	0.11
P-12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
TW-41B	34	NS (30)	26	74	55	34	29	79	53	78	3.5	33

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 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
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
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
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)
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
MW-15B	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
MW-22BR	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
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
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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)
MW-39B	NA	NA	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	NA	NA
MW-41B	NA	NA	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	NA	NA
MW-49B	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
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	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)
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	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
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)
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	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
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
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
TW-41B	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

Naphthalene B-CZ/TZ Input Data

	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	1H-2012
MW-10B	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	84
MW-11B	NS (242)	12	<0.060	186	2.5	100	0.13	90	35	77	<0.80	48	<0.60	6.8	<0.60	60	<0.50
MW-12B	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)	NS (257,033)
MW-14	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	1.4
MW-15B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,500
MW-22B	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	3.2
MW-22BR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24B	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	<0.050
MW-29B	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)	NS (0.40)
MW-32B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26,000
MW-33B	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	21,000
MW-33BR	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	17,000	NS (13,182)	9,300	365	12,000	NS (12,992)	14,000	11,000	4,800	12,000	7,400
MW-36B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.10	<0.10	<0.050	<0.24
MW-38B	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	0.37
MW-39B	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	<0.34
MW-40B	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	4,200
MW-41B	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)	NS (6,380)
MW-42B	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	<0.63
MW-49B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,400	NS (820)	230	NS (116)	<0.20	130	47
MW-50B	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
MW-55B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21,000
MW-57B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24,000
MW-59B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14	<0.10	<0.050	0.12
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)
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)
MW-62B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.7	NS (1.5)	0.28	9.6	<0.10	35	<0.21
MW-63B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,100	NS (1,940)	760	490	27
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)	<0.10	0.62	<0.050	1.9
MW-68B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14,000
MW-70B	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	51
MW-72B	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	1.4
MW-74B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16,000
MW-75B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,900
MW-76B	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
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)
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)
MW-83B	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
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)
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)
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)
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)
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)
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)
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)
P-10	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	<0.50
P-11	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	1.7
P-12	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	<0.50
TW-41B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14	NS (16)	NS (33)	49	<0.51

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 B-CZ/TZ Input Data

	2H-2012	1H-2013	2H-2013	1H-2014	2H-2014	1H-2018	2H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023
MW-10B	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	0.099	0.18
MW-11B	4	<0.076	5.4	0.38	14	<0.020	340	<0.020	1,100	<0.020	300	1.6	500	2.1	170	<0.020	160
MW-12B	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	1,400	810
MW-14	<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	<0.020	<0.090
MW-15B	820	57	943	248	452	20	NS (10)	<0.020	330	<0.020	320	99	420	<19	280	94	<0.61
MW-22B	32	NS (65)	NS (97)	130	977	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22BR	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	<0.020	<0.20
MW-24B	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)	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)	NS (0.40)
MW-32B	<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	8,000	9,200
MW-33B	7,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33BR	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	2,800	750
MW-35B	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	1.4	0.95
MW-36B	<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	0.18	<0.020
MW-38B	<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	<0.020	<0.020
MW-39B	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	<0.020	<2.0
MW-40B	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	740	2,200
MW-41B	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	4,200	3,000
MW-42B	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	<0.020	0.25
MW-49B	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	6,300	5,000
MW-50B	NA	NA	NA	NA	NA	NA	NA	NA	NA	310	<0.064	<0.67	<0.025	<0.29	<0.020	0.19	<0.020
MW-54B	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1	<0.36	<0.063	<0.29	<0.020	<0.020	0.025	<0.020
MW-55B	24,000	2,300	21,900	24,300	13,500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-57B	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	11,000	5,300
MW-59B	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	<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)	<0.020	<0.12	0.037	0.7	<0.020	0.13	<0.020	<0.20
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)	<0.020	<0.032	<0.12	<0.020	<0.11	<0.068	0.043	<0.020
MW-62B	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	0.12	0.079
MW-63B	44	251	146	374	1,690	290	NS (1,188)	2,100	1,500	<0.35	290	<0.18	910	490	900	2,100	800
MW-67B	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	<0.020	0.058
MW-68B	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	11,000	2,800
MW-70B	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	17,000	9,100
MW-71B	<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	0.046	0.048
MW-72B	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	3,200	5,200
MW-73B	<0.64	<0.44	<0.67	91	<0.079	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-74B	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	<0.020	0.036
MW-75B	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 (937)	NS (1,853)	NS (2,784)	3,700
MW-76B	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.096	2	0.032	<0.24	<0.34	<0.049	<0.020	<0.020
MW-80B	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	<0.020	<0.020
MW-81B	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	<0.020	<0.020
MW-82B	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)	0.052	<0.020
MW-83B	NA	NA	NA	NA	NA	14,000	1,500	1,600	770	1,200	320	1,900	2,600	2,100	250	130	340
MW-84B	NA	NA	NA	NA	NA	2,400	950	<0.020	60	130	25	<0.020	0.5	<0.020	<0.020	<0.020	<0.20
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)	<0.020	<0.083	<0.020	<0.37	0.49	1	<0.020	<0.039
MW-89B	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	0.12	<0.020
MW-90B	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	<0.020	<0.20
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)	<0.020	<0.10	<0.020	<0.020	5	<0.21	<0.020	<0.20
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)	<0.020	<0.020	0.077	0.063	0.14	<0.070	<0.020	<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)	0.083	<0.020	<0.020	<0.020	<0.020	<0.062	0.023	21
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)	0.036	<0.16	0.32	<0.11	<0.26	<0.039	<0.020	<0.020
P-10	<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	<0.020	0.07
P-11	<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	2.2	<0.020
P-12	<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	<0.020	0.047
TW-41B	<1.3	0.16	3.1	<0.26	149	280	NS (171)	61	690	58	600	13	1,300	210	700	<0.020	180

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 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	1H-2013
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	<0.29
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	113,000
MW-17C	NA	NA	NA	25	<0.050	<2.9	0.54	2.8	44	NS (24)	3.5	1,500	<0.050	39	42
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	<153
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	1.3
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	<0.29
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	<2.8
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	<0.30
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	<298
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	<0.30
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	<0.28
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)	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	NA
MW-34CR	NA	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	<1,490 (0.71)
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)	NS (6.1)
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)	NS (0.88)
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	NS (0.36)
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	<0.29
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)	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	<0.30
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	<0.30
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	NS (0.84)
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)	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)	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)	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)	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)	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)	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)	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)	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

	2H-2013	1H-2014	2H-2014	1H-2018	1H-2019	2H-2019	1H-2020	2H-2020	1H-2021	2H-2021	1H-2022	2H-2022	1H-2023	2H-2023
MW-12C	<0.30	<0.30	<0.30	<0.040	<0.040	0.43	<0.040	<0.040	0.079	0.12	<0.040	<0.040	<0.040	<0.040
MW-15C	<0.30	<3.0	<0.29	<0.040	<0.040	5.2	<0.040	<0.040	0.1	<0.040	<0.040	<0.040	<0.040	<0.040
MW-17C	<30	<30	7,090	590	470	210	<0.040	170	710	2,100	76	640	240	<4.0
MW-18C	<15	<30	33	82	290	5.1	23	67	<0.40	9.7	6.1	9.2	<8.0	<4.0
MW-19C	<0.30	<0.60	<0.29	2.8	<0.32	<0.56	<0.040	<0.040	<0.040	<0.040	0.18	<0.040	0.22	<0.040
MW-21C	<0.30	<0.29	<0.30	<0.040	<0.040	0.1	<0.040	<0.040	<0.040	<0.040	<0.040	0.064	<0.040	<0.040
MW-23C	<15	<73	202	NS (103)	NS (75)	NS (61)	<47	22	6.9	15	47	30	40	24
MW-24C	<0.30	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	NS (0.30)	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	<31	372	<0.30	7.5	<0.040	7.5	6.2	18	<0.040	3.3	0.63	<4.0	<4.0	0.7
MW-27C	<0.29	<0.30	<0.30	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-28C	<0.29	<0.31	<0.30	<0.040	<0.040	<0.040	<0.040	<0.040	0.078	<0.040	<0.040	<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)	NS (0.29)
MW-34C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	NA	NA	<0.30	<0.040	<0.040	NS (0.040)	NS (0.041)	<0.041	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-44C	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	<0.040	<0.040
MW-45C	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 (4.8)	<4.0	4
MW-46C	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	<0.80	4.6
MW-47C	<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	<0.040	<0.040
MW-48C	<0.30	<0.29	<0.29	<0.040	1	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-51C	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	<0.040	<0.040
MW-53C	<0.31	<1.5	<0.30	<0.040	<0.040	<0.040	<1.1	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
MW-54C	<0.31	<0.29	<0.31	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.28	<0.040
MW-68C	<0.29	0.45	<0.29	1.5	<0.040	<0.040	<0.040	<0.040	0.45	<0.040	1.2	<0.040	<0.040	<0.40
MW-70C	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	<0.040	<0.040
MW-76C	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	<0.040	<0.040
MW-83C	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	<0.040	<0.40
MW-85C	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	<0.040	<0.040
MW-86C	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	<0.040	<0.040
MW-87C	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	<0.040	<0.040
MW-88C	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	<0.040	<0.040
MW-99C	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

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	2H-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	0.099
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	<0.050
MW-17C	NA	NA	NA	NA	NA	NA	NA	NA	294	77	1,090	95	85	99	NS (87)	75	7.3
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	340
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	1.2
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	<0.050
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	1,300
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	<0.050
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	1,300
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	<0.050
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	<0.050
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)	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)	NS (55)
MW-34CR	NA	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)	<0.050
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)	NS (716)
MW-46C	NA	NA	NA	NA	NA	NA	NA	NA	203	380	83	NS (87)	NS (92)	NS (102)	NS (107)	NS (112)	NS (117)
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	<0.050
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	<0.050
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)	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	<0.050
MW-54C	NA	NA	NA	NA	NA	NA	NA	NA	NA	310	109	140	130	9.6	NS (5.0)	0.25	22
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	0.24
MW-70C	NA	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)	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)	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)	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)	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)	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)	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)	NS (0.086)

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

<5.00: Analyte not detected. Detection limit used.

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Interpolated between two sampling events.

Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

2-Methylnaphthalene C-TZ Input Data

	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	1H-2023	2H-2023
MW-12C	<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	0.095	<0.11
MW-15C	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	<0.019	<0.019
MW-17C	62	100	176	151	144	20	1,100	25	26	0.073	48	8.2	25	52	16	6.8	69
MW-18C	160	460	977	871	1,060	778	440	330	280	310	320	150	220	160	320	370	160
MW-19C	<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	0.091	<0.047
MW-21C	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	<0.019	<0.019
MW-23C	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	260	370
MW-24C	<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)	NS (0.069)	NS (0.069)
MW-25C	920	900	800	1,320	1,460	943	710	400	540	960	510	290	300	290	<360 (290)	340	160
MW-27C	<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	<0.019	<0.019
MW-28C	<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	0.058	<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)	NS (0.38)
MW-34C	0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	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	<0.019	<0.019
MW-44C	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	<0.019	0.023
MW-45C	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	290	78
MW-46C	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	<0.38	0.88
MW-47C	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	<0.019	<0.019
MW-48C	<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	<0.019	<0.019
MW-51C	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	<0.019	<0.019
MW-53C	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	<0.019	<0.019
MW-54C	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	0.031	<0.019
MW-68C	<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	0.23	<0.19
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	98	<0.019	<0.019	<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)	0.39	0.12	0.31	<0.019	<0.45	<0.019	<0.024	<0.019	<0.019	<0.019	0.063	0.22
MW-83C	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	<0.019	0.54
MW-85C	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	<0.019	<0.019
MW-86C	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	<0.019	<0.019
MW-87C	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	<0.019	<0.019
MW-88C	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	NS (0.052)	0.052	<0.019	<0.019	<0.019	0.34	0.077	<0.019	<0.15	0.037	<0.019	<0.019
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)	0.086	0.05	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019

Notes:

All concentrations in µg/l

NA: Well not installed or abandoned.

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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	2H-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	<1.0
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	<1.0
MW-17C	NA	NA	NA	NA	NA	NA	NA	NA	93	73	57	43	30	24	NS (24)	23	10
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	1,200
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	<1.0
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	<1.0
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	<10 (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	<1.0
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	76
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	<1.0
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	<1.0
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)	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)	NS (4.8)
MW-34CR	NA	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)	<1.0
MW-45C	NA	NA	NA	NA	NA	NA	NA	NA	125	74	45	NS (43)	NS (41)	NS (37)	NS (36)	NS (34)	NS (32)
MW-46C	NA	NA	NA	NA	NA	NA	NA	NA	81	90	22	NS (22)	NS (23)	NS (23)	NS (23)	NS (24)	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	<1.0
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	<1.0
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)	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	<1.0
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	<1.0
MW-68C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.81	2.1	3.2
MW-70C	NA	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)	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)	NS (0.20)
MW-85C	NA	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)	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)	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)	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)	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

	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	1H-2023	2H-2023
MW-12C	<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	<0.20	<0.20
MW-15C	<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	<0.20	<0.20
MW-17C	16	13	11	16	9.4	13	14	12	9.7	<0.20	7.1	18	19	11	8.1	8.7	13
MW-18C	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	1,200	1,200
MW-19C	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	<0.20	1.2
MW-21C	<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	<0.20	<0.20
MW-23C	<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	13	9.5
MW-24C	<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)	NS (0.080)
MW-25C	39	30	30	28	22	12	1.3	<0.20	1.3	1.7	1.6	1.6	<2.0	<0.20	<2.0	0.5	<4.0
MW-27C	<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	<0.20	<0.20
MW-28C	<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	<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)	NS (2.6)
MW-34C	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	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	<0.20	<0.20
MW-44C	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	<0.20	<0.20
MW-45C	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	<5.0	20
MW-46C	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	0.44	3.7
MW-47C	<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	<0.20	<0.20
MW-48C	<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	<0.20	<0.20
MW-51C	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	<0.20	<0.20
MW-53C	<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	<0.20	<0.20
MW-54C	<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	<0.20	<0.20
MW-68C	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	<0.20	<0.20
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	19	21	0.59	<0.20	<0.20	<0.20	<0.20	<0.20
MW-76C	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	<0.20	<0.20
MW-83C	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	<0.20	<0.20
MW-85C	NA	NA	NA	NA	NA	NA	13	<0.20	0.93	<0.20	<5.0 (0.20)	<0.20	<0.20	<0.20	<10	<0.20	<1.0
MW-86C	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	<0.20	<0.20
MW-87C	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	<0.20	<0.20
MW-88C	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	<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)	<0.20	<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.

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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	1H-2011	2H-2011
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)	0.11	<0.050
MW-15C	104	100	NS (135)	170	190	130	200	120	NS (132)	157	34	90	34	7.5	NS (13)	18	4.6
MW-17C	NA	NA	NA	NA	NA	NA	NA	NA	123	130	610	190	130	130	NS (160)	190	21
MW-18C	49	200	NS (200)	NS (200)	200	460	NS (445)	NS (430)	NS (384)	293	263	230	160	91	NS (110)	130	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)	0.2	<0.60
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)	<0.080	<0.050
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)	1,600	2,700
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)	<0.080	<0.050
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)	520	290
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)	<0.080	<0.050
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)	<0.080	0.19
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)	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)	NS (103)	NS (52)
MW-34CR	NA	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	84	216	46	NS (39)	NS (33)	NS (20)	NS (13)	NS (6.6)	<0.050
MW-45C	NA	NA	NA	NA	NA	NA	NA	NA	224	338	488	NS (468)	NS (447)	NS (407)	NS (386)	NS (366)	NS (346)
MW-46C	NA	NA	NA	NA	NA	NA	NA	NA	210	207	64	NS (68)	NS (72)	NS (80)	NS (84)	NS (88)	NS (92)
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)	<0.080	<0.050
MW-48C	NA	NA	NA	NA	NA	NA	NA	NA	13	0.19	0.31	<0.33	0.25	65	<0.080	<0.080	<0.050
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)	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)	<0.080	<0.050
MW-54C	NA	NA	NA	NA	NA	NA	NA	NA	NA	113	61	74	64	28	NS (15)	1.8	46
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	<0.080	0.2
MW-70C	NA	NA	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)	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)	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)	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)	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)	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)	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)	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.

<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 C-TZ Input Data

	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	1H-2023	2H-2023
MW-12C	<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	<0.092 (0.092)	<0.020
MW-15C	27	21	116	14	32	10	8.1	5.3	3.9	4.5	0.74	7	7.6	12	0.97	3	0.69
MW-17C	96	140	185	199	184	26	130	27	27	0.065	68	22	31	71	31	16	83
MW-18C	60	140	288	225	276	207	150	130	54	85	49	42	43	62	110	130	42
MW-19C	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	0.95	<0.49
MW-21C	<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	<0.020	<0.020
MW-23C	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	190	260
MW-24C	<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)	NS (0.078)
MW-25C	260	220	174	353	<7.6	276	210	140	190	340	94	80	100	82	<120	150	58
MW-27C	<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	<0.020	<0.020
MW-28C	<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	0.053	<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	0.071	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	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	<0.020	<0.020
MW-44C	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	<0.020	0.13
MW-45C	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 (21)	110	32
MW-46C	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	5.5	20
MW-47C	<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	<0.020	<0.020
MW-48C	<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	<0.020	<0.020
MW-51C	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	<0.020	<0.020
MW-53C	<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	<0.020	<0.020
MW-54C	47	29	22	88	70	47	45	15	32	20	4	9.7	9.7	24	<4.7	0.026	2
MW-68C	<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	<0.020	<0.20
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	78	<0.020	<0.020	0.083	<0.020	<0.020	0.096	<0.020
MW-76C	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	<0.020	<0.020
MW-83C	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	<0.020	0.71
MW-85C	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	<0.020	<0.020
MW-86C	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	<0.020	<0.020
MW-87C	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	0.032	<0.020
MW-88C	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	0.039	<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)	<0.020	<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.

<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 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	2H-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	0.48
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	<0.46
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	370
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	12,000
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	14
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	<0.050
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	7,500
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	0.2
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	19,000
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	<0.050
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	<0.091
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)	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)	NS (740)
MW-34CR	NA	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)	<0.16
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)	NS (4,287)
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)	NS (1,304)
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	<0.050
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	<0.050
MW-51C	NA	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	<0.050
MW-54C	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,940	892	912	1,100	210	NS (109)	5.5	470
MW-68C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.83	1.4	2.7
MW-70C	NA	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)	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)	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)	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)	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)	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)	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)	NS (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

Naphthalene C-TZ Input Data

	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	1H-2023	2H-2023
MW-12C	<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	0.63	<0.75
MW-15C	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	0.32	<1.0
MW-17C	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	250	2,900
MW-18C	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	12,000	5,500
MW-19C	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	0.23	<0.23
MW-21C	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	0.043	<0.020
MW-23C	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	4,000	4,400
MW-24C	<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)	NS (0.078)	NS (0.078)
MW-25C	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 (2,400)	4,000	770
MW-27C	<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	<0.020	<0.020
MW-28C	<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	0.18	<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)	NS (0.47)
MW-34C	<0.43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34CR	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	<0.020	<0.020
MW-44C	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	<0.020	0.1
MW-45C	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	2,200	1,000
MW-46C	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	<0.40	0.099
MW-47C	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	0.044	<0.020
MW-48C	<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	<0.020	0.068
MW-51C	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	<0.020	<0.020
MW-53C	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	0.27	<0.020
MW-54C	350	150	68	383	315	180	68	19	32	<35	1.1	9.3	9	15	<1.0	0.27	0.073
MW-68C	<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	2.4	<0.20
MW-70C	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,500	<0.020	<0.14	2.5	<0.34	0.086	0.18	0.028
MW-76C	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	0.1	0.93
MW-83C	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	<0.020	<0.20
MW-85C	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	0.28	<0.020
MW-86C	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	<0.020	<0.020
MW-87C	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	0.25	0.029
MW-88C	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	<0.020	<0.052
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)	0.4	0.77	<0.072	<0.020	<0.020	<0.020	<0.020	0.053

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.

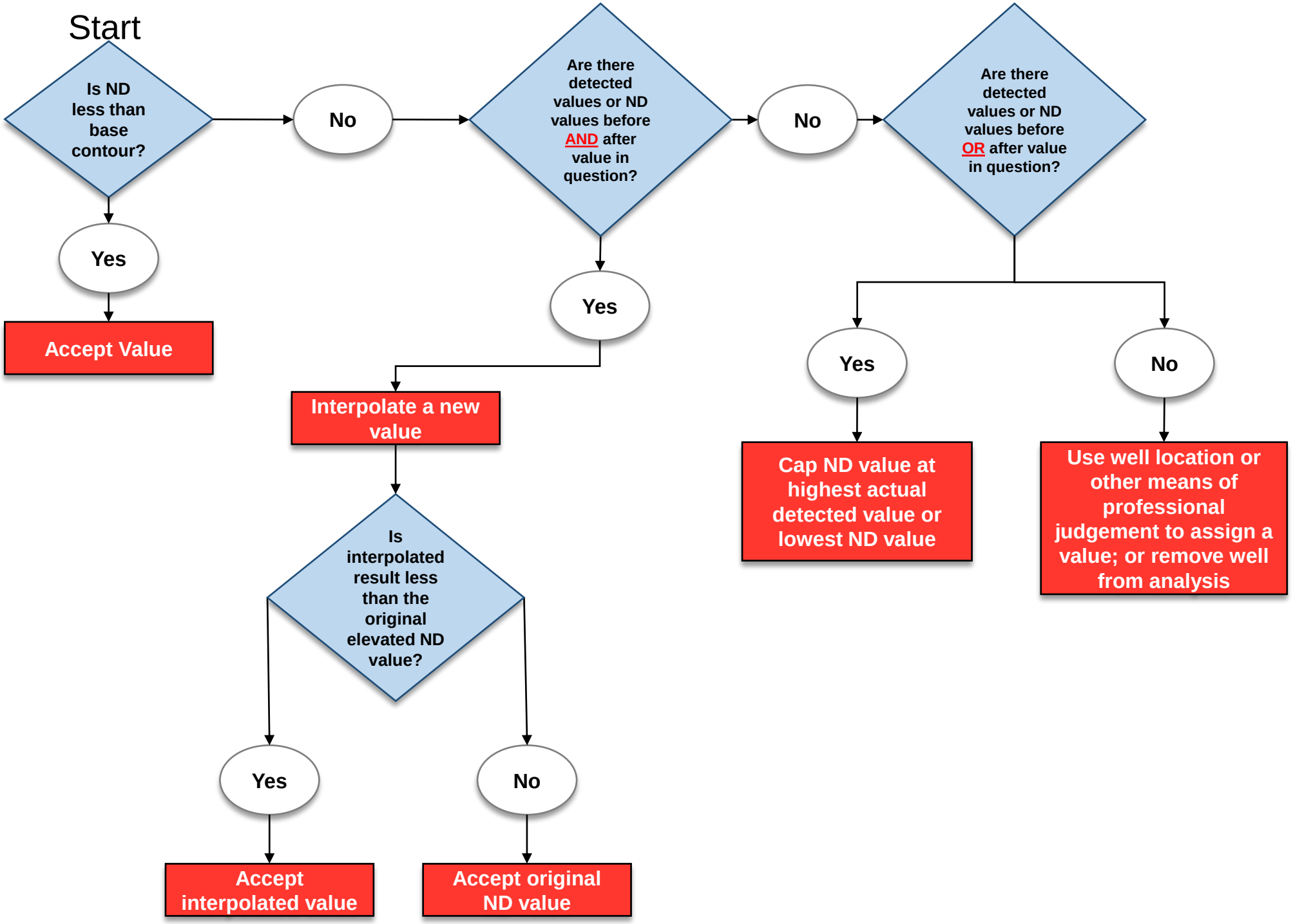
Well not installed. Extrapolated from a sampling event.

Non-Sampled Well

Appendix C

Non-Detect Value Determination Flow Chart

Non-Detect Value Determination Flow Chart



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Appendix D

UPRR Houston Ricker Method® Plume Stability Analysis Metrics Summary

Ricker Method® Spatial Change Indicator Metrics Benzene - A-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2014	31	81	14
1H-2018	34	149	28
1H-2019	26	91	13
2H-2019	24	30	3.9
1H-2020	30	46	7.5
2H-2020	33	81	15
1H-2021	28	98	15
2H-2021	31	70	12
1H-2022	35	70	13
2H-2022	32	86	15
1H-2023	29	43	6.7
2H-2023	29	33	5.1

Ricker Method® Spatial Change Indicator Metrics 2,4-Dimethylphenol - A-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2014	18	2,222	217
1H-2018	13	5,287	375
1H-2019	6.6	1,377	49
2H-2019	5.4	991	29
1H-2020	10	1,968	110
2H-2020	8.1	1,360	60
1H-2021	13	2,599	184
2H-2021	5.5	1,979	59
1H-2022	12	1,246	79
2H-2022	11	2,337	138
1H-2023	2.9	938	15
2H-2023	0.41	903	2.0

Ricker Method® Spatial Change Indicator Metrics 2-Methylnaphthalene - A-TZ			
Event	**Area (Acres)**	**Average Concentration (µg/L)**	**Mass Indicator (lbs)**
2H-2014	23	576	72
1H-2018	18	337	33
2H-2018	15	262	21
1H-2019	6.8	182	6.7
2H-2019	8.4	184	8.4
1H-2020	8.9	192	9.3
2H-2020	16	312	27
1H-2021	18	345	33
2H-2021	14	230	18
1H-2022	18	391	39
2H-2022	17	356	34
1H-2023	10	257	15
2H-2023	3.2	151	2.6

Ricker Method® Spatial Change Indicator Metrics Dibenzofuran - A-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2014	18	248	24
1H-2018	10	161	9.1
2H-2018	6.9	134	5.1
1H-2019	0.88	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	11	157	9.1
2H-2021	6.6	131	4.7
1H-2022	11	252	16
2H-2022	11	154	9.2
1H-2023	3.5	122	2.3
2H-2023	0.0001	0.0001	0.0001

Ricker Method® Spatial Change Indicator Metrics Naphthalene - A-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2014	28	8,905	1,343
1H-2018	23	6,662	842
2H-2018	21	4,618	532
1H-2019	11	2,734	167
2H-2019	15	2,461	201
1H-2020	17	2,091	194
2H-2020	20	4,969	541
1H-2021	23	5,917	748
2H-2021	20	5,946	660
1H-2022	26	5,273	732
2H-2022	22	6,246	738
1H-2023	15	3,244	259
2H-2023	8.8	1,384	66

Ricker Method® Spatial Change Indicator Metrics Benzene - B-CZ/TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2012	38	295	61
1H-2013	37	295	59
2H-2013	40	445	97
1H-2014	39	341	72
2H-2014	40	442	97
1H-2018	43	365	85
2H-2018	42	355	82
1H-2019	40	345	75
2H-2019	43	357	84
1H-2020	38	286	59
2H-2020	40	431	95
1H-2021	33	192	34
2H-2021	37	319	64
1H-2022	39	341	72
2H-2022	40	388	84
1H-2023	28	186	28
2H-2023	30	361	60

Ricker Method® Spatial Change Indicator Metrics 2,4-Dimethylphenol - B-CZ/TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2012	15	24,045	1,903
1H-2013	12	25,485	1,731
2H-2013	17	53,261	4,960
1H-2014	18	95,893	9,332
2H-2014	15	65,531	5,475
1H-2018	16	22,457	2,003
2H-2018	16	18,610	1,659
1H-2019	16	10,655	902
2H-2019	17	28,001	2,611
1H-2020	13	9,797	700
2H-2020	13	17,524	1,278
1H-2021	8.9	3,821	185
2H-2021	13	11,091	779
1H-2022	13	7,777	564
2H-2022	13	15,371	1,124
1H-2023	7.0	3,262	123
2H-2023	6.4	3,163	110

Ricker Method® Spatial Change Indicator Metrics 2-Methylnaphthalene - B-CZ/TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2012	16	532	47
1H-2013	18	737	71
2H-2013	21	962	112
1H-2014	24	1,602	213
2H-2014	20	1,080	120
1H-2018	23	1,200	152
2H-2018	22	1,022	120
1H-2019	16	817	71
2H-2019	22	1,179	141
1H-2020	22	1,143	136
2H-2020	20	990	109
1H-2021	14	782	60
2H-2021	20	628	70
1H-2022	19	988	102
2H-2022	24	2,110	270
1H-2023	9.0	282	14
2H-2023	9.0	259	13

Ricker Method® Spatial Change Indicator Metrics Dibenzofuran - B-CZ/TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2012	12	257	17
1H-2013	11	304	19
2H-2013	16	338	29
1H-2014	21	722	82
2H-2014	16	364	31
1H-2018	21	670	78
2H-2018	19	610	61
1H-2019	12	494	33
2H-2019	18	648	64
1H-2020	19	643	67
2H-2020	16	577	49
1H-2021	12	456	29
2H-2021	17	342	32
1H-2022	18	497	48
2H-2022	22	1,130	133
1H-2023	3.7	149	3.0
2H-2023	4.1	165	3.7

Ricker Method® Spatial Change Indicator Metrics Naphthalene - B-CZ/TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
2H-2012	21	8,339	969
1H-2013	19	7,858	804
2H-2013	27	11,478	1,695
1H-2014	29	11,164	1,753
2H-2014	25	12,270	1,665
1H-2018	27	11,120	1,624
2H-2018	26	8,090	1,131
1H-2019	19	5,098	514
2H-2019	28	7,348	1,125
1H-2020	24	5,592	721
2H-2020	26	6,653	950
1H-2021	17	3,694	344
2H-2021	23	7,660	971
1H-2022	22	10,695	1,292
2H-2022	24	11,192	1,432
1H-2023	12	3,978	255
2H-2023	11	2,700	165

Ricker Method® Spatial Change Indicator Metrics Benzene - C-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
1H-2004	18	26	2.6
1H-2007	19	27	2.8
1H-2008	14	28	2.1
2H-2008	12	27	1.8
1H-2009	12	29	1.9
1H-2010	13	28	2.0
2H-2010	12	27	1.7
1H-2011	10	26	1.5
2H-2011	10	26	1.4
1H-2012	13	21	1.6
2H-2012	12	30	2.0
1H-2013	9.4	39	2.0
2H-2013	12	32	2.1
1H-2014	9.7	40	2.1
2H-2014	8.5	24	1.1
1H-2018	10	24	1.3
1H-2019	4.8	17	0.43
2H-2019	4.0	44	0.97
1H-2020	5.7	36	1.1
2H-2020	5.8	31	1.0
1H-2021	5.3	42	1.2
2H-2021	4.4	41	0.97
1H-2022	3.7	37	0.74
2H-2022	4.7	36	0.91
1H-2023	3.6	46	0.89
2H-2023	5.0	36	0.98

Ricker Method® Spatial Change Indicator Metrics 2,4-Dimethylphenol - C-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
1H-2004	0.0	<490	0.0
1H-2007	0.0	<490	0.0
1H-2008	0.0	<490	0.0
2H-2008	0.0	<490	0.0
1H-2009	0.0	<490	0.0
1H-2010	0.0	<490	0.0
2H-2010	0.0	<490	0.0
1H-2011	0.0	<490	0.0
2H-2011	0.1	730	0.4
1H-2012	0.0	<490	0.0
2H-2012	0.0	<490	0.0
1H-2013	4.2	6531	150
2H-2013	0.0	<490	0.0
1H-2014	0.0	<490	0.0
2H-2014	0.6	1431	5.0
1H-2018	0.0	578	0.0
1H-2019	0.0	<490	0.0
2H-2019	0.0	<490	0.0
1H-2020	0.0	<490	0.0
2H-2020	0.0	<490	0.0
1H-2021	0.0	554	0.0
2H-2021	0.1	864	0.7
1H-2022	0.0	<490	0.0
2H-2022	0.0	621	0.0
1H-2023	0.0	<490	0.0
2H-2023	0.0	<490	0.0

Ricker Method® Spatial Change Indicator Metrics 2-Methylnaphthalene - C-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
1H-2004	5.4	251	7.4
1H-2007	6.5	263	9.3
1H-2008	6.9	968	36
2H-2008	5.8	897	28
1H-2009	5.3	769	22
1H-2010	6.5	283	10
2H-2010	3.9	263	5.6
1H-2011	2.9	236	3.8
2H-2011	2.6	230	3.3
1H-2012	3.8	1,480	31
2H-2012	9.4	1,998	102
1H-2013	8.9	315	15
2H-2013	6.8	349	13
1H-2014	8.4	459	21
2H-2014	4.5	691	17
1H-2018	4.2	562	13
1H-2019	1.9	310	3.2
2H-2019	1.4	249	1.9
1H-2020	0.72	204	0.80
2H-2020	0.18	170	0.16
1H-2021	0.021	132	0.021
2H-2021	0.081	134	0.061
1H-2022	0.12	138	0.091
2H-2022	1.4	38,197	297
1H-2023	0.24	162	0.21
2H-2023	0.081	144	0.061

Ricker Method® Spatial Change Indicator Metrics Dibenzofuran - C-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
1H-2004	2.2	153	1.9
1H-2007	4.6	170	4.3
1H-2008	6.5	771	27
2H-2008	5.7	722	22
1H-2009	5.1	637	18
1H-2010	4.3	295	6.9
2H-2010	3.4	273	5.1
1H-2011	2.7	246	3.6
2H-2011	2.1	324	3.6
1H-2012	2.8	872	13
2H-2012	8.6	1,598	75
1H-2013	5.5	228	6.9
2H-2013	5.0	222	6.1
1H-2014	6.4	355	12
2H-2014	3.3	892	16
1H-2018	2.7	542	8.0
1H-2019	1.3	439	3.0
2H-2019	1.2	310	2.0
1H-2020	0.61	162	0.54
2H-2020	0.0	<98	0.0
1H-2021	0.0	<98	0.0
2H-2021	0.0	<98	0.0
1H-2022	0.021	116	0.011
2H-2022	0.17	205	0.19
1H-2023	0.051	116	0.031
2H-2023	0.051	138	0.031

Ricker Method® Spatial Change Indicator Metrics Naphthalene - C-TZ			
Event	Area (Acres)	Average Concentration (µg/L)	Mass Indicator (lbs)
1H-2004	12	2,721	177
1H-2007	12	2,262	148
1H-2008	10	3,972	222
2H-2008	9.0	3,591	176
1H-2009	8.7	3,181	150
1H-2010	14	2,454	182
2H-2010	6.4	1,947	67
1H-2011	5.8	1,909	61
2H-2011	4.8	1,571	41
1H-2012	6.1	5,916	196
2H-2012	11	9,649	580
1H-2013	20	4,781	514
2H-2013	9.6	3,668	192
1H-2014	11	4,480	270
2H-2014	6.7	3,128	114
1H-2018	6.9	4,488	168
1H-2019	3.5	1,387	27
2H-2019	2.9	1,243	20
1H-2020	2.4	1,408	19
2H-2020	0.63	1,202	4.1
1H-2021	0.25	1,338	1.8
2H-2021	0.48	1,359	3.5
1H-2022	1.2	1,023	6.5
2H-2022	1.7	117,139	1,086
1H-2023	0.64	1,483	5.1
2H-2023	0.78	1,041	4.4

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	2902 WIPPRECHT ST #18	2902 WIPPRECHT LLC % T GOFFNEY
6	2922 SOLO ST	CHAVES, ARMANDO R ET AL
7	2930 SOLO ST	HOWELL, EVAN S
8	2934 SOLO ST	ASPERA OSVALDO, BELMONTE MARIA AMARO
9	4910 LUCILLE ST	WHITEHEAD, SHIRLEY A
10	5002 LUCILLE ST	TOLEDANO, ARISTEO
11	2943 LAVENDER ST	APOGEE REAL ESTATE PARTNERS LLC
12	5006 LUCILLE ST	BARRIENTOS, EINE
13	5008 LUCILLE ST	NORTON MEMORIAL TEMPLE COGIC
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	COAST TO COUNTRY PROPERTIES LLC
21	2906 LAVENDER ST	BEAL, BARBARA
22	2904 LAVENDER ST	GREATER MOUNT NEBO MISSIONARY BAPTIST
23	5005 LIBERTY	GREATER MOUNT NEBO BAPTIST CHURCH
24	0 WYLIE ST	GREATER MT NEBO BAPTIST CHURCH
25	5006 WYLIE ST	GREATER MOUNT NEBO BAPTIST CHURCH
26	5010 WYLIE ST	SMITH, ALBERTA
27	5005 WYLIE ST	BANDA, MONICO DUQUE & MARTHA Z
28	5007 WYLIE ST	BANDA-ZUNIGA, NANCY G; MACIA-ARANDA, GUILLERMO
29	5011 WYLIE ST	CARR, CARRIE MAE ESTATE OF
30	2901 CLEMENTINE ST	ROSS, MARY BASS
31	5002 LELIA ST	HOLMES EMITT & LAURA ESTATE % MILDRED WILDER
32	0 LELIA ST	HEPTULLABHAI, MUSTAFA
33	5014 LELIA ST	RIVERA, GUADALUPE JR, RIVERA FLOR ESTHELA
34	2921 1/2 CLEMENTINE	RIVERA, GUADALUPE
35	2921 CLEMENTINE ST	PINEDA, ROGELIO R & OLIVIA
36	0 LELIA ST	AYELE ADDISU F
37	5009 LELIA ST	CURRENT OWNER
38	0 LELIA ST	BEACH PROPERTY LLC
39	5015 LELIA ST	CASTILLO, MANUEL M
40	5012 LUCILLE	NORTON'S TEMPLE CHURCH OF GON IN CHRIST INC
41	5014 LUCILLE ST	WILLIAMS, BILLY J JR
42	5016 LUCILLE ST	CURRENT OWNER
43	0 LUCILLE	WAHSH, BELAL
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, MARY JANE
48	5109 LIBERTY RD	MARTINEZ, SARAH ESTATE OF
49	5113 LIBERTY RD	MEDINA, CLAUDIA ELIZABETH DELAPORTIL, LEAL, JORGE D 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	TRAN, DONALD K
54	5201 WYLIE ST	TRAN, DONALD K
55	2809 ERASTUS ST	TRAN, DONALD K
56	5201 WYLIE ST	THOMPSON-REID, BRENT
57	5107 WYLIE ST	POTTS, MARYLAND ESTATE
58	5107 WYLIE ST	TOLBERT, REGINALD & LETICIA
59	5111 WYLIE ST	PEREZ, AQUILINA ESTATE OF
60	5119 WYLIE ST	GILLIAM, MARTHA
61	2913 FONTINOT ST	HUERTA, NOE, RIVERA MARLEY
62	2918 CLEMENTINE ST	AZIMPOOR JAVAD
63	5116 LELIA ST	MANJARREZ CLAUDIO
64	5112 LELIA ST	POTTS, AVIE
65	5118 LELIA ST	GREATER TRUE VINE BAPTIST CHURCH
66	0 LELIA	SCHRINSKY, SAMUEL J
67	705 LUCILLE	SERANAE INVESTMENT INC
68	0 LELIA ST	GREATER TRUE VINE MISSIONARY BAPTIST CHURCH
69	5301 LIBERTY RD	JEFFERSON, SEAN
70	3101 ERASTUS ST	VITAL, PERCY
71	5303 LUCILLE ST	GARCIA, CARLOTTA C
72	3115 Erastus St	HERNANDEZ-FLORES, MARTHA; LOPEZ, JOSE R
73	5302 Jewel St	LOPEZ, ARCADIO R
74	3300 E LOCKWOOD DR	DAMIAN, ROBERT
75	3300 E LOCKWOOD DR	DAMIAN, ROBERT
76	3300 E LOCKWOOD DR	DAMIAN, ROBERT

REFERENCE(S)
AERIAL PHOTO FROM GOOGLE EARTH, IMAGERY DATED 2/23/19, AND PROPERTY INFORMATION FROM HARRIS COUNTY APPRAISAL DISTRICT (HCAD), 2018.

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

CONSULTANT
wsp

YYYY-MM-DD	2024-08-02
DESIGNED	AJD
PREPARED	AJD
REVIEWED	AS
APPROVED	XXX

TITLE
OFF-SITE NOTIFICATION PROPERTIES

PROJECT NO. 31406585.016
REV. 0
FIGURE 1

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

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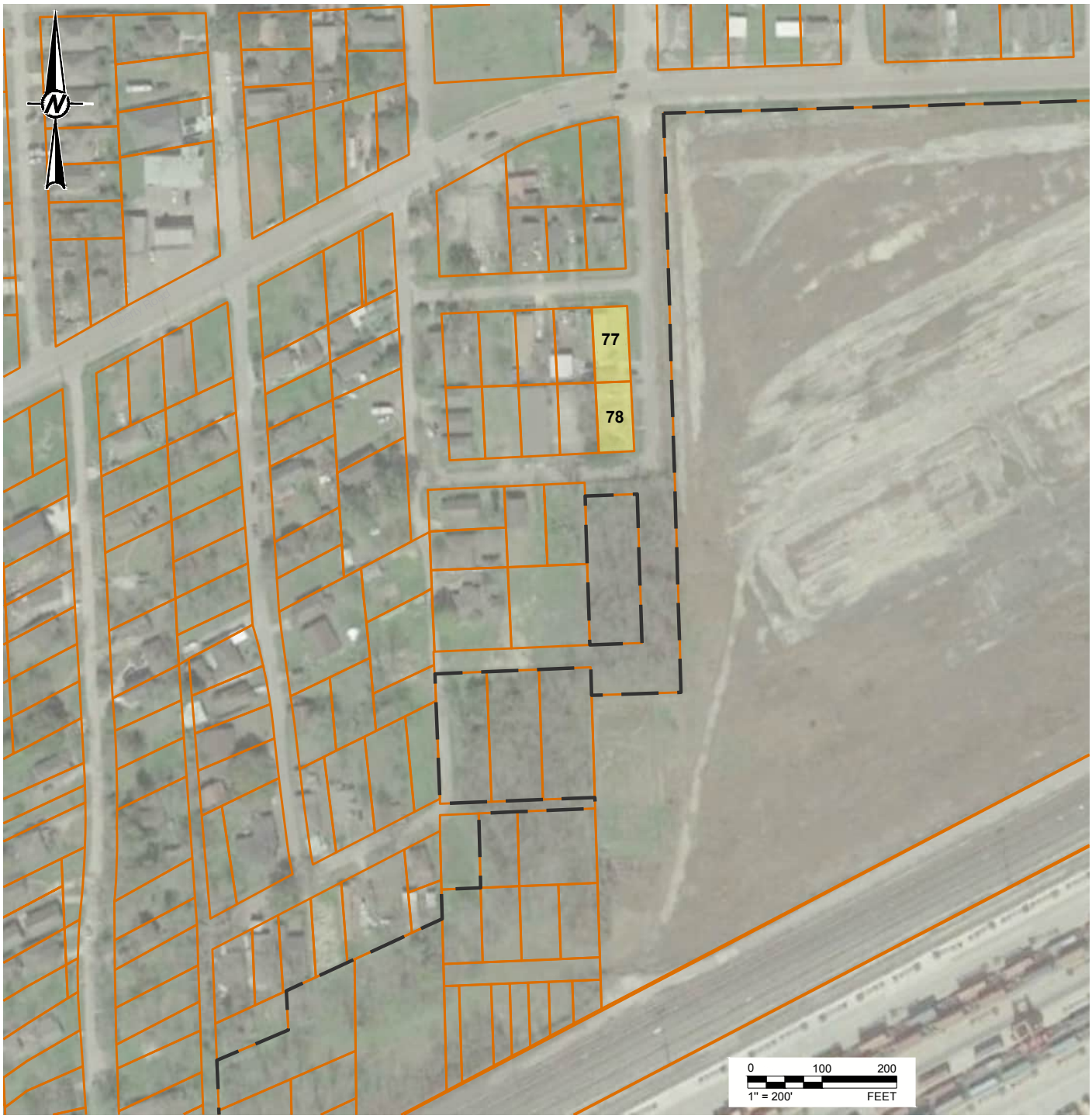

MAP ID	PARCEL ADDRESS	PARCEL OWNER
77	4518 COURTNEY ST	ROSIGNON ANTHONY TYRONE
78	2803 KASHMERE ST	WHITEHEAD, SHIRLEY A

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

YYYY-MM-DD	2024-08-02
DESIGNED	AJD
PREPARED	AJD
REVIEWED	AS
APPROVED	XXX

PROJECT NO.	REV.	FIGURE
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