

Second Half 2024 Groundwater Monitoring Report

J.H Baxter & Co. Wood Treating Facility

Prepared for:

J.H. Baxter & Co.

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Prepared by:

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M A U L
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Second Half 2024 Groundwater Monitoring Report

J.H Baxter & Co. Wood Treating Facility

The material and data in this report were prepared under the supervision and direction of the undersigned.

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Abbreviations and Acronyms

| | |
|----------|--|
| Apex | Apex Laboratories, LLC |
| Baxter | J.H. Baxter & Co. |
| DEQ | Oregon Department of Environmental Quality |
| EPA | U.S. Environmental Protection Agency |
| MG | million gallons |
| MRLs | method reporting limits |
| PCP | pentachlorophenol |
| the Site | J.H. Baxter & Co. wood treating facility in Eugene, Oregon |

1 Introduction

Maul Foster & Alongi, Inc. (MFA) has prepared this report to present the results of groundwater monitoring activities conducted in the second half of 2024 at the J.H. Baxter & Co. (Baxter) wood treating facility located at 85 Baxter Street, Eugene, Oregon (the Site) (Figures 1-1 and 1-2). Groundwater monitoring activities were conducted in accordance with the Groundwater Monitoring Work Plan (Hart Crowser, 2001), Revised Groundwater Monitoring Work Plan (Baxter, 2003), and Revised Monitoring Program May 2015 (Baxter, 2015). On May 7, 2015, the Oregon Department of Environmental Quality (DEQ) approved the Revised Monitoring Program May 2015 (DEQ, 2015).

The Site has a total of 3 extraction wells and 41 monitoring wells. The wells are:

- Extraction Wells (total of 3): W-13S, W-13I, W-20I
- Onsite Monitoring Wells (total of 26): W-1S, W-2S, W-2I, W-3S, W-4S, W-5I, W-6I, W-7S, W-8S, W-8I, W-9S, W-9I, W-9D, W-11S, W-11I, W-12I, W-12D, W-13D, W-14I, W-15S, W-18AS, W-18AI, W-21S, W-21I, W-22S, and W-23
- Offsite Monitoring Wells (total of 15): W-16AS, W-16AI, W-17AS, W-17AI, W-17BI, W-18BI, W-19AS, W-24, W-25, W-26, W-28, W-29, W-32, W-34, and W-35

Of these wells, sixteen were sampled in September 2024 for Site-related constituents in agreement with the Revised Monitoring Program May 2015 (Baxter, 2015). The revised monitoring program requires the sampling of four wells semiannually in March and September (W-24, W-25, W-26, and W-29), and 12 additional wells annually in September (W-6I, W-7S, W-11I, W-11S, W-12I, W-13I, W-13S, W-17AI, W-17AS, W-20I, W-23I, and W-32). This report summarizes the results of the September 2024 monitoring event and the groundwater extraction data through December 2024.

2 Monitoring Activities

The groundwater monitoring event was conducted on September 25 and 26, 2024. Field activities, including groundwater level measurements and groundwater sampling, were completed by MFA staff. Wells were sampled using low-flow methods as described in the Revised Groundwater Monitoring Work Plan (Baxter, 2003). Samples were collected using either a dedicated submersible pump or a peristaltic pump, with dedicated tubing at each well. Groundwater sampling, equipment decontamination, and sample custody procedures were in accordance with previous sampling events, the Groundwater Monitoring Work Plan (Hart Crowser, 2001), and the Revised Groundwater Monitoring Work Plan (Baxter, 2003).

Groundwater samples were analyzed by Apex Laboratories, LLC (Apex) in Tigard, Oregon, for the following:

- Phenols by U.S. Environmental Protection Agency (EPA) Method 8270E.

Groundwater levels were measured at 41 wells and groundwater samples were collected from 16 wells. The laboratory reports are presented in Appendix A and groundwater sampling forms are presented in Appendix B. On September 26, 2024, one field blind sample, or duplicate, was collected at well W-20I. The blind sample was analyzed for phenols, the parent sample and blind duplicate results were comparable, and no results required qualification.

3 Groundwater Elevations

Groundwater elevations are presented in Table 3-1. The monument and casing of monitoring well W-2I are damaged and soil inside the well casing prevented the depth to groundwater to be measured. The measurement access point for intermediate zone extraction well W-20I was rusted shut during this event, preventing the depth to water from being measured.

Groundwater elevation contours are presented for the shallow zone and intermediate zone on Figures 3-1 and 3-2, respectively. A distinct cone of depression is not present at shallow zone extraction well W-13S, but the well may not have been actively pumping at the time the water level was measured. A strong cone of depression is present at intermediate zone extraction well W-13I, consistent with prior years.

4 Analytical Results

Groundwater samples for the September 2024 monitoring event were analyzed for phenols. The well locations are shown on Figure 3-1 and Figure 3-2. The laboratory results are provided in Table 4-1. Pentachlorophenol (PCP) time-series plots are included in Appendix C. Note that the non-detect values on the time-series plots are shown as hollow symbols so that when method detection limits are elevated, it is not misinterpreted as representing the concentration in the well.

4.1 Onsite Monitoring Wells

Six onsite groundwater monitoring wells were sampled during the September 2024 monitoring event. PCP was detected in five of the onsite wells, with concentrations ranging from an estimated detection of 0.112 to 218 micrograms per liter (ug/L). The highest concentration of PCP was found in well W-7S. Concentrations in well W-7S have generally decreased from a high of 4,160 ug/L in 2009, except for an increase beginning in 2017 and peaking in 2020; since then, concentrations have declined. In 2021, GSI speculated that the peak may have been caused by the movement of the PCP plume from an area upgradient of W-7S towards the extraction wells (GSI, 2021). PCP concentrations in all other wells sampled continue to decrease towards the method reporting limits (MRLs), or the concentration are stable at close to the MRLs, or PCP has not been detected.

4.2 Onsite Extraction Wells

Three onsite extraction wells, W-13S, W-13I, and W-20I, were sampled during the September 2024 monitoring event. A duplicate sample was collected at W-20I. PCP was detected in all three of the onsite extraction wells, with concentrations ranging from 18.9 ug/L to 285 ug/L.

Of the extraction wells, the highest PCP concentration continues to be at W-13I. The sample collected in September 2024 corresponded to a historical range of concentrations between 260 ug/L and 300 ug/L. The sample collected in March 2024 showed a sharp decline that appears to be anomalous based on the return to a concentration within the historical range in September 2024.

The PCP concentration at W-20I has returned to the historical concentration range of around 20 ug/L observed since 2016, ending a spike in concentrations observed in September 2023 and March 2024. In MFA's prior report, the spike was theorized to be related to the movement of the PCP plume towards the extraction well. A return to historical trends may indicate the continued extraction of the plume section.

The PCP concentration in W-13S spiked significantly in September 2024 to 231 ug/L, breaking a trend of historical concentrations below 10 ug/L since 2016. The pump associated with W-13S was out of operation when MFA arrived on site and was repaired by Baxter personnel prior to sampling. The high concentration may be related to the lack of consistent pumping from the extraction well prior to sampling.

4.3 Offsite Monitoring Wells

Seven offsite monitoring wells were sampled during the September 2024 monitoring event. PCP was detected at W-24, W-25, and W-26. 3- & 4-Methylphenol and PCP were detected at W-29. No other analytes were detected in the offsite monitoring wells. Overall, concentrations at the offsite wells corresponded with a general declining trend in PCP concentrations since 2011. See Appendix C.

4.4 Quality Assurance and Quality Control

As described further in the data validation memorandum (Appendix A), analytical results were evaluated according to applicable sections of EPA guidelines for data review and appropriate laboratory- and method-specific guidelines.

Based on the results of the data quality review procedures described below, the data, with the appropriate final data qualifiers assigned, are considered acceptable for their intended use. Final data qualifiers represent qualifiers originating from the laboratory and accepted by the reviewer, and data qualifiers assigned by the reviewer during validation.

5 Groundwater Extraction and Treatment System

The groundwater extraction and treatment system consists of three wells, a filtration system, and granulated activated carbon. The system was in operation for 119 days, from July 1, 2024 to December 31, 2024. The estimated pumping rates and extracted constituent mass are presented in Table 5-1.

During the second half of 2024, about 8.57 million gallons of groundwater were extracted and sent through the treatment system. In the second half of 2024, 5.09 pounds of PCP were removed from the three extraction wells.

Since January 1994, approximately 735 million gallons of groundwater have been extracted and treated. Approximately 1,734 pounds of PCP have been extracted since January 1994. Polycyclic aromatic hydrocarbons (PAHs) and total metals were analyzed in groundwater samples through June 2015, so a calculated mass of 4.4 pounds of PAHs and 3.6 pounds of total metals were extracted between January 1994 and June 2015. PAHs and total metals are still extracted from groundwater, but the mass removed is no longer quantified since levels have been reduced enough that mass extraction quantities are deemed limited and no longer significant, as of June 2015.

6 First-Half 2025 Activities

Semiannual groundwater monitoring for the first half of 2025 will be conducted in accordance with the Revised Monitoring Program May 2015 (Baxter, 2015).

References

- Baxter. 2003. *Revised Groundwater Monitoring Work Plan J.H. Baxter & Co. Wood Preserving Facility, 85 Baxter Road, Eugene, Oregon.* J.H. Baxter & Co. March 7.
- Baxter. 2015. *Revised Monitoring Program May 2015 J.H. Baxter Eugene Site ESCI No. 55.* J.H. Baxter & Co. May 1.
- DEQ. 2015. Email message from Greg Aitken, Oregon Department of Environmental Quality, to Heidi Blischke re: “*RE: Groundwater Monitoring Program for the Baxter Site as Discussed at our Meeting.*” May 7.
- GSI. 2021. *Second Half 2020 Groundwater Monitoring Report, J.H. Baxter & Co. Wood Treating Facility.* GSI Water Solutions, Inc. February.
- Hart Crowser. 2001. *Groundwater Monitoring Work Plan J.H. Baxter Wood Preserving Eugene Facility.* Hart Crowser, Inc. May 22.

Limitations

The services undertaken in completing this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

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Figures



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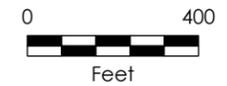


Figure 1-1 Site Vicinity Map

JH Baxter & Co, Inc.
Eugene, OR

Legend

-  Property Boundary
-  Tax Lot



Data Sources
Aerial photograph obtained from U.S. Department of Agriculture; tax lot data obtained from Lane County.



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Path: X:\0461_03_JH Baxter\007A\Proj\M0461_03_007_004.aprx Fig 1-2 Site Detail Map
Print Date: 8/4/2023
Reviewed By: dweatherby
Produced By: sturner
Project: M0461.03.007

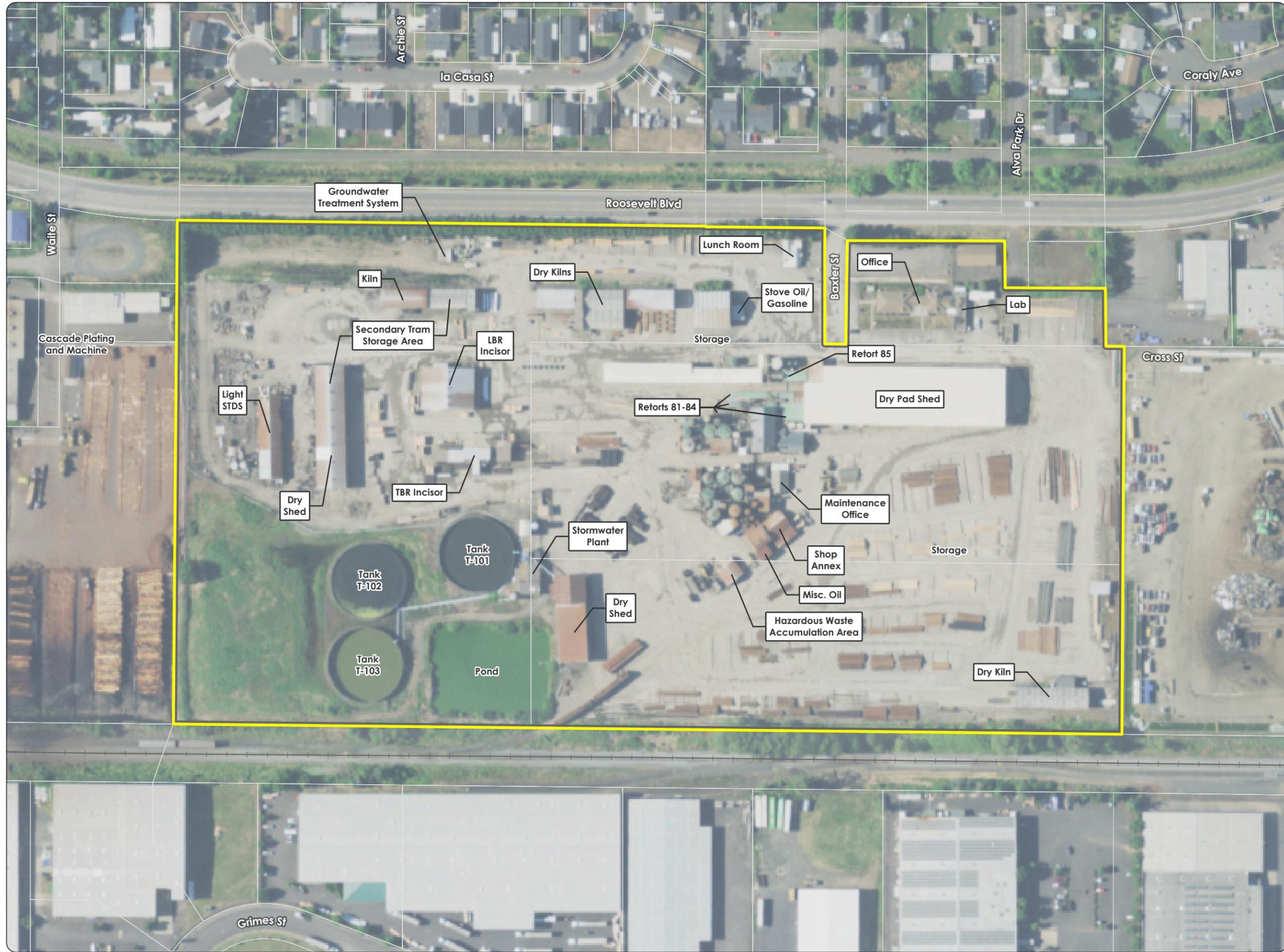
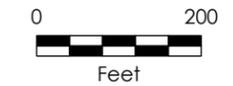


Figure 1-2 Site Detail Map

JH Baxter & Co, Inc.
Eugene, OR

Legend

-  Property Boundary
-  Tax Lot



Data Sources
Aerial photograph obtained from U.S. Department of Agriculture; tax lot data obtained from Lane County.

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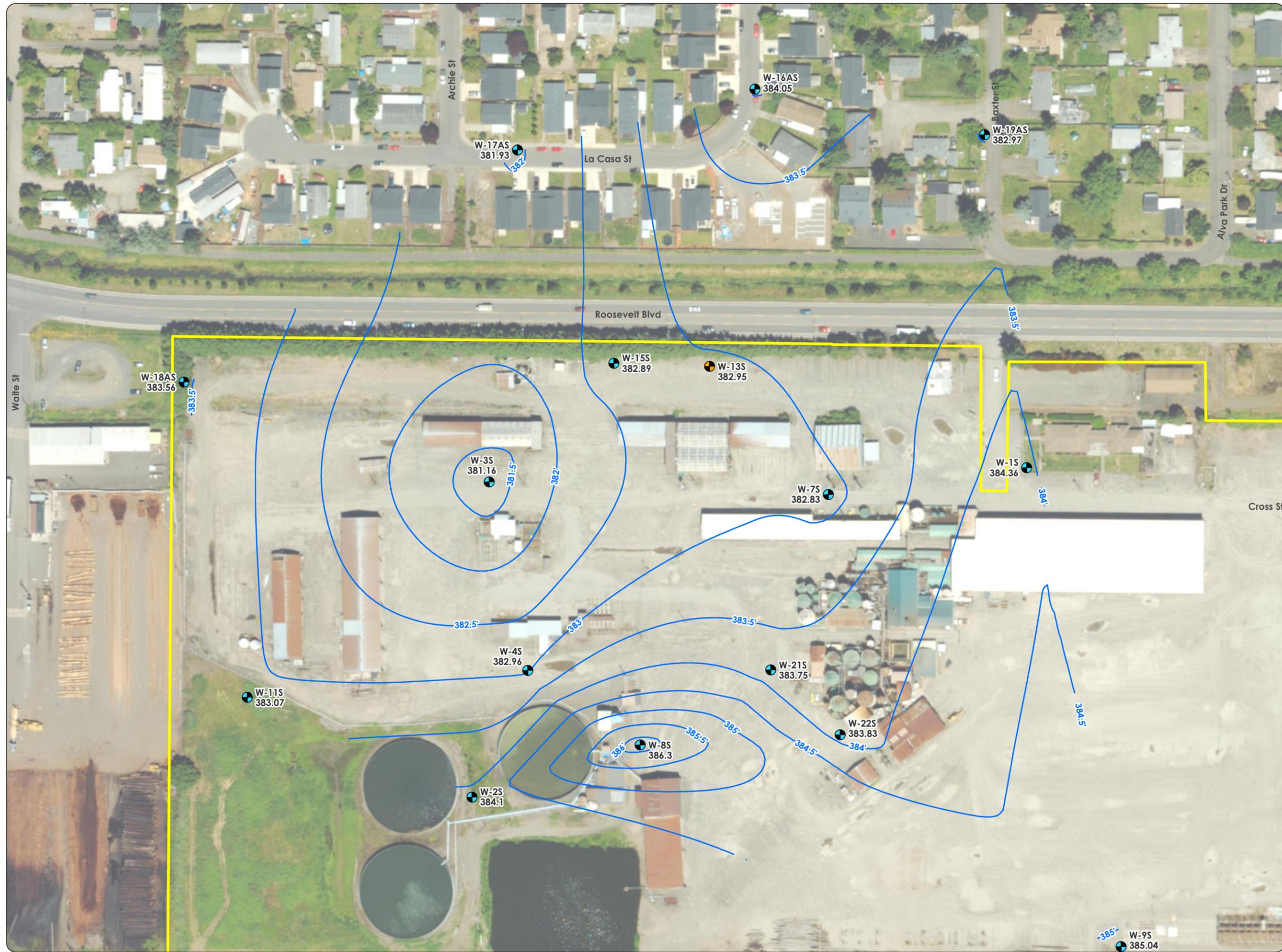


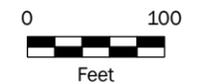
Figure 3-1
Shallow Zone
Groundwater Elevation
September 2024

JH Baxter & Co, Inc.
 Eugene, OR

Legend

-  Monitoring Well
-  Extraction Well
-  Groundwater Elevation Contour (0.5-feet, amsl)
-  Property Boundary

Notes
 Water levels were measured on
 September 25, 2024.
 amsl = above mean sea level.



Data Sources
 Aerial photograph obtained from the State of Oregon (2022);
 tax lot data obtained from Lane County.

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Project: M0461.03.007 Produced By: gjaravata Reviewed By: smaloney Print Date: 2/7/2025 Path: X:\0461_03_JH_Baxter\007_Plan\M0461_03_007_004.aprx\Fig 3-2 Intermediate Zone GWE 2024.03

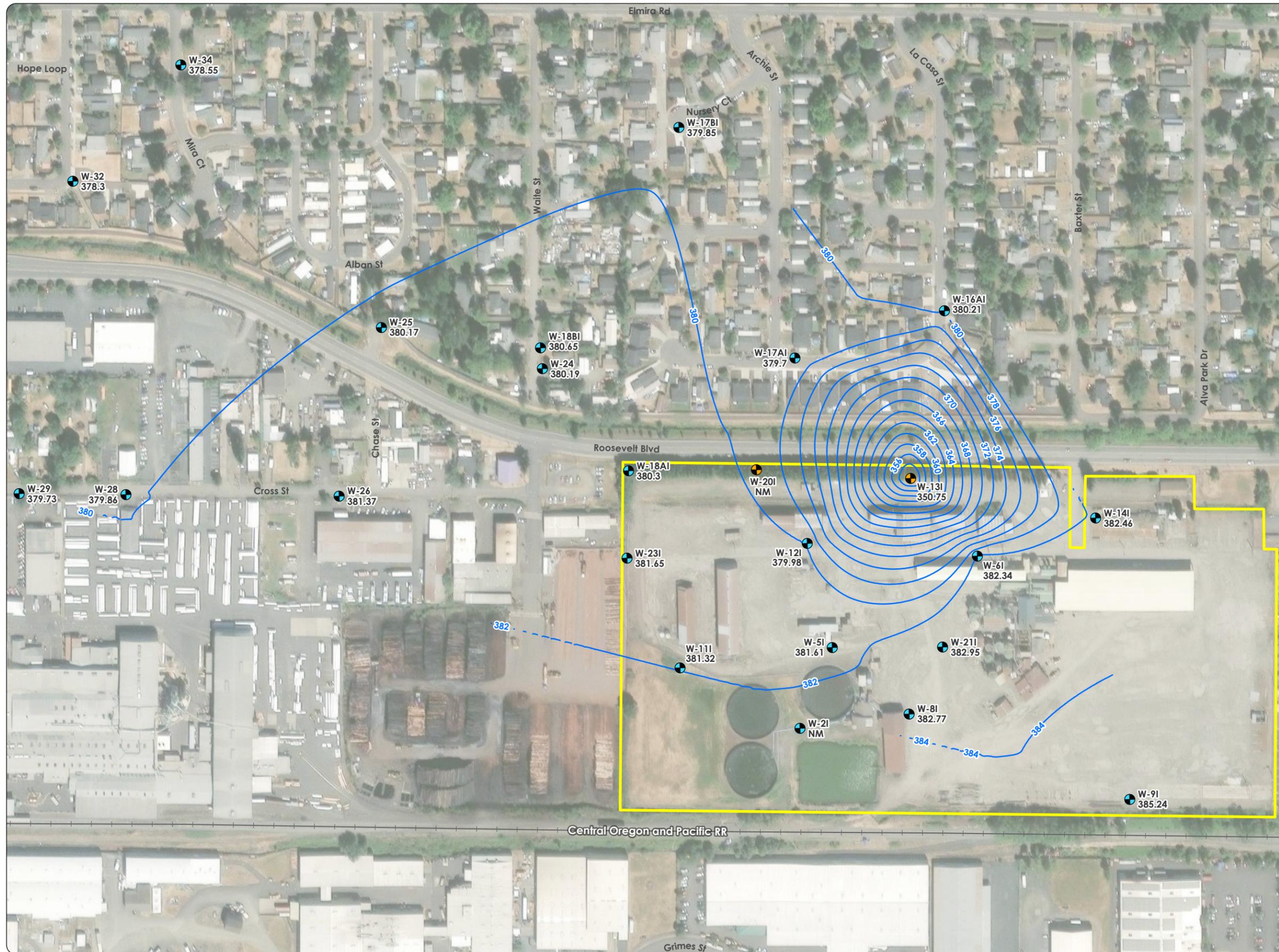


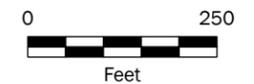
Figure 3-2 Intermediate Zone Groundwater Elevation September 2024

JH Baxter & Co, Inc.
Eugene, OR

Legend

- Monitoring Well
- Extraction Well
- Groundwater Elevation in ft (2-feet, amsl)
- Property Boundary

Notes
Water levels were measured on September 25, 2024.
amsl = above mean sea level.
NM = not measured.



Data Sources
Aerial photograph obtained from the State of Oregon (2022);
tax lot data obtained from Lane County.

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Tables



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**Table 3-1
Groundwater Elevation Summary
J.H. Baxter Co. Wood Treating Facility**



| Well | Top of Casing Elevation (feet amsl) | Depth to Well Bottom (feet) | Depth to Water (feet) | Groundwater Elevation (feet amsl) |
|----------------------|--|-----------------------------------|--------------------------|---|
| | | | 09/25/2024 | |
| W-1S | 395.91 | 29 | 11.55 | 384.36 |
| W-2S | 393.16 | 28 | 9.06 | 384.10 |
| W-2I ^(a) | 394.23 | 82 | -- | -- |
| W-3S | 395.01 | 33 | 13.85 | 381.16 |
| W-4S | 396.56 | 22 | 13.60 | 382.96 |
| W-5I | 396.71 | 76 | 15.10 | 381.61 |
| W-6I | 397.77 | 70 | 15.43 | 382.34 |
| W-7S | 397.66 | 20 | 14.83 | 382.83 |
| W-8S | 395.90 | 20 | 9.60 | 386.30 |
| W-8I | 393.66 | 82 | 10.89 | 382.77 |
| W-9S | 396.45 | 25 | 11.41 | 385.04 |
| W-9I | 396.19 | 67 | 10.95 | 385.24 |
| W-11S | 394.17 | 25 | 11.10 | 383.07 |
| W-11I | 394.17 | 83 | 12.85 | 381.32 |
| W-12I | 395.62 | 79 | 15.64 | 379.98 |
| W-12D | 395.54 | 134 | 17.60 | 377.94 |
| W-13S | 396.71 | 29 | 13.76 | 382.95 |
| W-13I | 396.15 | 71 | 45.40 | 350.75 |
| W-13D | 396.40 | 134 | 10.20 | 386.20 |
| W-14I | 395.60 | 78 | 13.14 | 382.46 |
| W-15S | 396.62 | 28 | 13.73 | 382.89 |
| W-16AS | 391.86 | 25 | 7.81 | 384.05 |
| W-16AI | 391.86 | 82 | 11.65 | 380.21 |
| W-17AS | 390.29 | 24 | 8.36 | 381.93 |
| W-17AI | 390.80 | 87 | 11.10 | 379.70 |
| W-17BI | 392.08 | 85 | 12.23 | 379.85 |
| W-18AS | 392.84 | 25 | 9.28 | 383.56 |
| W-18AI | 393.70 | 87 | 13.40 | 380.30 |
| W-18BI | 391.98 | 89 | 11.33 | 380.65 |
| W-19AS | 393.82 | 24 | 10.85 | 382.97 |
| W-20I ^(b) | 397.10 | 85 | -- | -- |
| W-21S | 393.80 | 17 | 10.05 | 383.75 |
| W-21I | 393.80 | 81 | 10.85 | 382.95 |
| W-22S | 396.72 | 19 | 12.89 | 383.83 |
| W-23I | 396.16 | 56 | 14.51 | 381.65 |
| W-24 | 391.64 | 65 | 11.45 | 380.19 |
| W-25 | 389.92 | 64 | 9.75 | 380.17 |
| W-26 | 390.14 | 79 | 8.77 | 381.37 |
| W-28 | 390.01 | 84 | 10.15 | 379.86 |
| W-29 | 388.56 | 75 | 8.83 | 379.73 |
| W-32 | 388.35 | 74 | 10.05 | 378.30 |
| W-34 | 389.17 | 76 | 10.62 | 378.55 |

Notes

-- = not measured.

amsl = above mean sea level.

^(a)Well monument and casing observed to be damaged during this event; depth to groundwater could not be determined due to the damage and soil in the well casing.

^(b)Depth to water was not measured as the measuring point was rusted shut.

Table 4-1
Summary of Groundwater Analytical Results
J.H. Baxter Co Wood Treating Facility
Eugene, Oregon

| Well Location: | Extraction Wells | | | | | | | | | |
|---------------------------|----------------------|----------------------|------------|---------------|------------|---------------|----------------------|------------|---------------|---------------|
| Well ID: | W-13I | | | | W-13S | | W-20I | | | |
| Sample Name: | W-13I ^(a) | DUP-1 ^(a) | W-13I | W-13I-GW-0924 | W-13S | W-13S-GW-0924 | W-20I ^(a) | W-20I | W-20I-GW-0924 | W-DUP-GW-0924 |
| Collection Date: | 11/01/2023 | 11/01/2023 | 03/20/2024 | 09/26/2024 | 11/01/2023 | 09/26/2024 | 11/01/2023 | 03/20/2024 | 09/26/2024 | 09/26/2024 |
| Phenols (ug/L) | | | | | | | | | | |
| 2,3,4,6-Tetrachlorophenol | 8.39 | 8.94 | 8.45 | 8.59 | 0.0481 U | 7.25 | 3.32 J | 1.92 U | 1.94 U | 1.96 U |
| 2,3,5,6-Tetrachlorophenol | 6.21 | 9.38 | 5.95 | 7.44 | 0.05 J | 7.65 | 3.96 | 1.92 U | 1.94 U | 1.96 U |
| 2,4,5-Trichlorophenol | 1.89 U | 1.89 U | 1.94 U | 1.96 U | 0.0481 U | 0.0958 J | 1.92 U | 1.92 U | 1.94 U | 1.96 U |
| 2,4,6-Trichlorophenol | 1.89 U | 1.89 U | 1.94 U | 1.96 U | 0.0481 U | 0.0558 J | 1.92 U | 1.92 U | 1.94 U | 1.96 U |
| 2,4-Dichlorophenol | 1.89 U | 1.89 U | 1.94 U | 1.96 U | 0.0481 U | 0.0500 U | 1.92 U | 1.92 U | 1.94 U | 1.96 U |
| 2,4-Dimethylphenol | 1.89 U | 1.89 U | 9.71 U | 9.80 U | 0.0481 U | 0.250 U | 1.92 U | 9.62 U | 9.71 U | 9.80 U |
| 2,4-Dinitrophenol | 9.43 U | 9.43 U | 9.71 U | 9.80 U | 0.240 U | 0.250 U | 9.62 U | 9.62 U | 9.71 U | 9.80 U |
| 2-Chlorophenol | 1.89 U | 1.89 U | 1.94 U | 1.96 U | 0.0481 U | 0.0500 U | 1.92 U | 1.92 U | 1.94 U | 1.96 U |
| 2-Methylphenol | 0.943 U | 0.943 U | 0.971 U | 0.980 U | 0.024 U | 0.0250 U | 0.962 U | 0.962 U | 0.971 U | 0.980 U |
| 2-Nitrophenol | 3.77 U | 3.77 U | 3.88 U | 3.92 U | 0.0962 U | 0.100 U | 3.85 U | 3.85 U | 3.88 U | 3.92 U |
| 3- & 4-Methylphenol | 0.943 U | 0.943 U | 0.971 U | 0.980 U | 0.024 U | 0.0250 U | 0.962 U | 0.962 U | 0.971 U | 0.980 U |
| 4,6-Dinitro-2-methylpheno | 9.43 U | 9.43 U | 9.71 U | 9.80 U | 0.24 U | 0.250 U | 9.62 U | 9.62 U | 9.71 U | 9.80 U |
| 4-Chloro-3-methylphenol | 3.77 U | 3.77 U | 3.88 U | 3.92 U | 0.0962 U | 0.100 U | 3.85 U | 3.85 U | 3.88 U | 3.92 U |
| 4-Nitrophenol | 3.77 U | 3.77 U | 3.88 U | 3.92 U | 0.0962 U | 0.100 U | 3.85 U | 3.85 U | 3.88 U | 3.92 U |
| Pentachlorophenol | 261 | 267 | 170 | 285 | 0.194 | 231 | 77.3 | 48.5 | 11.7 | 18.9 |
| Phenol | 7.55 U | 7.55 U | 7.77 U | 7.84 U | 0.192 U | 0.200 U | 7.69 U | 7.69 U | 7.77 U | 7.84 U |

Table 4-1
Summary of Groundwater Analytical Results
J.H. Baxter Co Wood Treating Facility
Eugene, Oregon

| Well Location: | Onsite Monitoring Wells | | | | | | | | | | | |
|---------------------------|-------------------------|--------------|------------|--------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|
| Well ID: | W-6I | | W-7S | | W-11I | | W-11S | | W-12I | | W-23I | |
| Sample Name: | W-6I | W-6I-GW-0924 | W-7S | W-7S-GW-0924 | W-11I | W-11I-GW-0924 | W-11S | W-11S-GW-0924 | W-12I | W-12I-GW-0924 | W-23I | W-23I-GW-0924 |
| Collection Date: | 09/25/2023 | 09/26/2024 | 09/25/2023 | 09/26/2024 | 09/25/2023 | 09/25/2024 | 09/25/2023 | 09/25/2024 | 09/26/2023 | 09/25/2024 | 09/25/2023 | 09/25/2024 |
| Phenols (ug/L) | | | | | | | | | | | | |
| 2,3,4,6-Tetrachlorophenol | 0.200 U | 0.0514 J | 35.8 | 13.0 J | 0.0510 U | 0.0495 U | 0.198 U | 0.0481 U | 2.02 U | 0.0547 J | 0.206 U | 0.336 J |
| 2,3,5,6-Tetrachlorophenol | 0.227 J | 0.0854 J | 17.5 | 11.1 U | 0.0510 U | 0.0495 U | 0.198 U | 0.0481 U | 2.02 U | 0.0505 U | 0.206 U | 0.586 |
| 2,4,5-Trichlorophenol | 0.200 U | 0.0481 U | 2.96 J | 11.1 U | 0.0510 U | 0.0495 U | 0.198 U | 0.0481 U | 2.02 U | 0.0505 U | 0.206 U | 0.192 U |
| 2,4,6-Trichlorophenol | 0.200 U | 0.0481 U | 2.08 U | 11.1 U | 0.0510 U | 0.0495 U | 0.198 U | 0.0481 U | 2.02 U | 0.0505 U | 0.206 U | 0.192 U |
| 2,4-Dichlorophenol | 0.200 U | 0.0481 U | 2.08 U | 11.1 U | 0.0510 U | 0.0495 U | 0.198 U | 0.0481 U | 2.02 U | 0.0505 U | 0.206 U | 0.192 U |
| 2,4-Dimethylphenol | 0.200 U | 0.240 U | 2.08 U | 55.6 U | 0.0510 U | 0.248 U | 0.198 U | 0.240 U | 2.02 U | 0.253 U | 0.206 U | 0.962 U |
| 2,4-Dinitrophenol | 1.00 U | 0.240 U | 10.4 U | 55.6 U | 0.255 U | 0.248 U | 0.990 U | 0.240 U | 10.1 U | 0.253 U | 1.03 U | 0.962 U |
| 2-Chlorophenol | 0.200 U | 0.0481 U | 2.08 U | 11.1 U | 0.0510 U | 0.0495 U | 0.198 U | 0.0481 U | 2.02 U | 0.0505 U | 0.206 U | 0.192 U |
| 2-Methylphenol | 0.100 U | 0.0240 U | 1.04 U | 5.56 U | 0.0255 U | 0.0248 U | 0.0990 U | 0.0240 U | 1.01 U | 0.0253 U | 0.103 U | 0.0962 U |
| 2-Nitrophenol | 0.400 U | 0.0962 U | 4.17 U | 22.2 U | 0.102 U | 0.0990 U | 0.396 U | 0.0962 U | 4.04 U | 0.101 U | 0.412 U | 0.385 U |
| 3- & 4-Methylphenol | 0.100 U | 0.0240 U | 1.04 U | 5.56 U | 0.0255 U | 0.0495 U | 0.0990 U | 0.0313 J | 1.01 U | 0.0253 U | 0.103 U | 0.0962 U |
| 4,6-Dinitro-2-methylpheno | 1.00 U | 0.240 U | 10.4 U | 55.6 U | 0.255 U | 0.248 U | 0.990 U | 0.240 U | 10.1 U | 0.253 U | 1.03 U | 0.962 U |
| 4-Chloro-3-methylphenol | 0.400 U | 0.0962 U | 4.17 U | 22.2 U | 0.102 U | 0.0990 U | 0.396 U | 0.0962 U | 4.04 U | 0.101 U | 0.412 U | 0.385 U |
| 4-Nitrophenol | 0.400 U | 0.0962 U | 4.17 U | 22.2 U | 0.102 U | 0.0990 U | 0.396 U | 0.0962 U | 4.04 U | 0.101 U | 0.412 U | 0.385 U |
| Pentachlorophenol | 0.886 | 0.506 | 845 | 218 | 0.102 U | 0.0990 U | 0.396 U | 0.117 J | 22.8 | 0.112 J | 0.449 J | 10.2 |
| Phenol | 0.800 U | 0.192 U | 8.33 U | 44.4 U | 0.204 U | 0.198 U | 0.792 U | 0.192 U | 8.08 U | 0.202 U | 0.825 U | 0.769 U |

Table 4-1
Summary of Groundwater Analytical Results
J.H. Baxter Co Wood Treating Facility
Eugene, Oregon

| Well Location: | Offsite Monitoring Wells | | | | | | | | | | | |
|---------------------------|--------------------------|----------------|------------|----------------|------------|---------------|------------|-------------|--------------|--------------|------------|------------|
| Well ID: | W-17AI | | W-17AS | | W-24 | | | | | | W-25 | |
| Sample Name: | W-17AI | W-17AI-GW-0924 | W-17AS | W-17AS-GW-0924 | W-24-0323 | W-24-0323-DUP | W-24 | W24-GW-0328 | W24-0328-DUP | W-24-GW-0924 | W-25-0323 | W-25 |
| Collection Date: | 09/26/2023 | 09/26/2024 | 09/26/2023 | 09/26/2024 | 03/31/2023 | 03/31/2023 | 09/26/2023 | 03/28/2024 | 03/28/2024 | 09/26/2024 | 03/31/2023 | 09/26/2023 |
| Phenols (ug/L) | | | | | | | | | | | | |
| 2,3,4,6-Tetrachlorophenol | 0.0490 U | 0.0490 U | 0.0515 U | 0.0500 U | 0.0556 U | 0.0515 U | 0.204 U | 0.0500 U | 0.0472 U | 0.0490 U | 0.0490 U | 0.0515 U |
| 2,3,5,6-Tetrachlorophenol | 0.0490 U | 0.0490 U | 0.0515 U | 0.0500 U | 0.0890 J | 0.0888 J | 0.204 U | 0.0500 U | 0.0472 U | 0.0490 U | 0.0596 J | 0.0619 J |
| 2,4,5-Trichlorophenol | 0.0490 U | 0.0490 U | 0.0515 U | 0.0500 U | 0.0556 U | 0.0515 U | 0.204 U | 0.0500 U | 0.0472 U | 0.0490 U | 0.0490 U | 0.0515 U |
| 2,4,6-Trichlorophenol | 0.0490 U | 0.0490 U | 0.0515 U | 0.0500 U | 0.0556 U | 0.0515 U | 0.204 U | 0.0500 U | 0.0472 U | 0.0490 U | 0.0490 U | 0.0515 U |
| 2,4-Dichlorophenol | 0.0490 U | 0.0490 U | 0.0515 U | 0.0500 U | 0.0556 U | 0.0515 U | 0.204 U | 0.0500 U | 0.0472 U | 0.0490 U | 0.0490 U | 0.0515 U |
| 2,4-Dimethylphenol | 0.0490 U | 0.245 U | 0.0515 U | 0.250 U | 0.0556 U | 0.0515 U | 0.204 U | 0.250 U | 0.236 U | 0.245 U | 0.0490 U | 0.0515 U |
| 2,4-Dinitrophenol | 0.245 U | 0.245 U | 0.258 U | 0.250 U | 0.278 U | 0.258 U | 1.02 U | 0.250 U | 0.236 U | 0.245 U | 0.245 U | 0.258 U |
| 2-Chlorophenol | 0.0490 U | 0.0490 U | 0.0515 U | 0.0500 U | 0.0556 U | 0.0515 U | 0.204 U | 0.0500 U | 0.0472 U | 0.0490 U | 0.0490 U | 0.0515 U |
| 2-Methylphenol | 0.0245 U | 0.0245 U | 0.0258 U | 0.0250 U | 0.0278 U | 0.0258 U | 0.102 U | 0.0250 U | 0.0236 U | 0.0245 U | 0.0245 U | 0.0258 U |
| 2-Nitrophenol | 0.0980 U | 0.0980 U | 0.103 U | 0.100 U | 0.111 U | 0.103 U | 0.408 U | 0.100 U | 0.0943 U | 0.0980 U | 0.0980 U | 0.103 U |
| 3- & 4-Methylphenol | 0.0245 U | 0.0245 U | 0.0258 U | 0.0250 U | 0.0278 U | 0.0258 U | 0.102 U | 0.0483 J | 0.0236 U | 0.0245 U | 0.0245 U | 0.0258 U |
| 4,6-Dinitro-2-methylpheno | 0.245 U | 0.245 U | 0.258 U | 0.250 U | 0.278 U | 0.258 U | 1.02 U | 0.250 U | 0.236 U | 0.245 U | 0.245 U | 0.258 U |
| 4-Chloro-3-methylphenol | 0.0980 U | 0.0980 U | 0.103 U | 0.100 U | 0.111 U | 0.103 U | 0.408 U | 0.100 U | 0.0943 U | 0.0980 U | 0.0980 U | 0.103 U |
| 4-Nitrophenol | 0.0980 U | 0.0980 U | 0.103 U | 0.100 U | 0.111 U | 0.103 U | 0.408 U | 0.100 U | 0.0943 U | 0.0980 U | 0.0980 U | 0.103 U |
| Pentachlorophenol | 0.0980 U | 0.0980 U | 0.103 U | 0.100 U | 0.111 U | 0.103 U | 0.408 U | 0.100 U | 0.0943 U | 0.141 J | 0.0980 U | 0.103 U |
| Phenol | 0.196 U | 0.196 U | 0.206 U | 0.200 U | 0.222 U | 0.206 U | 0.816 U | 0.200 U | 0.189 U | 0.196 U | 0.196 U | 0.206 U |

Table 4-1
Summary of Groundwater Analytical Results
J.H. Baxter Co Wood Treating Facility
Eugene, Oregon

| Well Location: | Offsite Monitoring Wells | | | | | | | | | | | |
|---------------------------|--------------------------|--------------|------------|------------|-------------|--------------|------------|------------|-------------|--------------|------------|--------------|
| Well ID: | W-25 (cont.) | | W-26 | | | | W-29 | | | | W-32 | |
| Sample Name: | W25-GW-0328 | W-25-GW-0924 | W-26-0323 | W-26 | W26-GW-0328 | W-26-GW-0924 | W-29-0323 | W-29 | W29-GW-0328 | W-29-GW-0924 | W-32 | W-32-GW-0924 |
| Collection Date: | 03/28/2024 | 09/26/2024 | 03/31/2023 | 09/26/2023 | 03/28/2024 | 09/26/2024 | 03/31/2023 | 09/26/2023 | 03/28/2024 | 09/26/2024 | 09/26/2023 | 09/26/2024 |
| Phenols (ug/L) | | | | | | | | | | | | |
| 2,3,4,6-Tetrachlorophenol | 0.0485 U | 0.0510 U | 0.0526 U | 0.0549 U | 0.0490 U | 0.0526 U | 0.0526 U | 0.0521 U | 0.0500 U | 0.0500 U | 0.196 U | 0.0526 U |
| 2,3,5,6-Tetrachlorophenol | 0.0485 U | 0.0510 U | 0.0526 U | 0.0549 U | 0.0490 U | 0.0526 U | 0.0526 U | 0.0521 U | 0.0500 U | 0.0500 U | 0.196 U | 0.0526 U |
| 2,4,5-Trichlorophenol | 0.0485 U | 0.0510 U | 0.0526 U | 0.0549 U | 0.0490 U | 0.0526 U | 0.0526 U | 0.0521 U | 0.0500 U | 0.0500 U | 0.196 U | 0.0526 U |
| 2,4,6-Trichlorophenol | 0.0485 U | 0.0510 U | 0.0526 U | 0.0549 U | 0.0490 U | 0.0526 U | 0.0526 U | 0.0521 U | 0.0500 U | 0.0500 U | 0.196 U | 0.0526 U |
| 2,4-Dichlorophenol | 0.0485 U | 0.0510 U | 0.0526 U | 0.0942 J | 0.0490 U | 0.0526 U | 0.0526 U | 0.0521 U | 0.0500 U | 0.0500 U | 0.196 U | 0.0526 U |
| 2,4-Dimethylphenol | 0.243 U | 0.255 U | 0.0526 U | 0.0552 J | 0.245 U | 0.263 U | 0.0526 U | 0.0521 U | 0.250 U | 0.250 U | 0.196 U | 0.263 U |
| 2,4-Dinitrophenol | 0.243 U | 0.255 U | 0.263 U | 0.275 U | 0.245 U | 0.263 U | 0.263 U | 0.260 U | 0.250 U | 0.250 U | 0.980 U | 0.263 U |
| 2-Chlorophenol | 0.0485 U | 0.0510 U | 0.0526 U | 0.0549 U | 0.0490 U | 0.0526 U | 0.0526 U | 0.0521 U | 0.0500 U | 0.0500 U | 0.196 U | 0.0526 U |
| 2-Methylphenol | 0.0243 U | 0.0255 U | 0.0263 U | 0.0275 U | 0.0245 U | 0.0263 U | 0.0263 U | 0.0260 U | 0.0250 U | 0.025 U | 0.0980 U | 0.0263 U |
| 2-Nitrophenol | 0.0971 U | 0.102 U | 0.105 U | 0.110 U | 0.0980 U | 0.105 U | 0.105 U | 0.104 U | 0.100 U | 0.100 U | 0.392 U | 0.105 U |
| 3- & 4-Methylphenol | 0.0243 U | 0.0255 U | 0.0263 U | 0.0275 U | 0.0245 U | 0.0263 U | 0.0263 U | 0.248 | 0.0250 U | 0.106 | 0.0980 U | 0.0263 U |
| 4,6-Dinitro-2-methylpheno | 0.243 U | 0.255 U | 0.263 U | 0.275 U | 0.245 U | 0.263 U | 0.263 U | 0.260 U | 0.250 U | 0.250 U | 0.980 U | 0.263 U |
| 4-Chloro-3-methylphenol | 0.0971 U | 0.102 U | 0.105 U | 0.110 U | 0.0980 U | 0.105 U | 0.105 U | 0.104 U | 0.100 U | 0.100 U | 0.392 U | 0.105 U |
| 4-Nitrophenol | 0.0971 U | 0.102 U | 0.105 U | 0.110 U | 0.0980 U | 0.105 U | 0.105 U | 0.104 U | 0.100 U | 0.100 U | 0.392 U | 0.105 U |
| Pentachlorophenol | 0.0971 U | 0.104 J | 0.114 J | 0.131 J | 0.112 J | 0.149 J | 0.105 U | 0.104 U | 0.100 U | 0.102 J | 0.392 U | 0.105 U |
| Phenol | 0.194 U | 0.204 U | 0.211 U | 0.220 U | 0.196 U | 0.211 U | 0.211 U | 0.208 U | 0.200 U | 0.200 U | 0.784 U | 0.211 U |

Table 4-1
Summary of Groundwater Analytical Results
J.H. Baxter Co Wood Treating Facility
Eugene, Oregon



Notes

ID = identification.

J = result is estimated.

U = result is non-detect at the detection limit.

ug/L = micrograms per liter.

^(a)Locations W-13I and W-20I collected on November 1, 2023, were misidentified in the field by JH Baxter staff. Sample switch confirmed by resampling event on March 20, 2024. Results shown on this table reflect true sample locations.

**Table 5-1
Groundwater Extraction System Summary
J.H. Baxter Co. Wood Treating Facility**



| Observation Period | Pumping Information | | | Average Concentrations ^{a,b,c} | | | Estimated Mass Extracted ^d | | |
|-------------------------|---------------------|-------------------|------------|---|--------|--------|---------------------------------------|----------|----------|
| | Days Pumping | Rate ^e | Volume | PCP | PAHs | Metals | PCP | PAHs | Metals |
| | (days) | (gpm) | (gallons) | (µg/L) | (µg/L) | (µg/L) | (pounds) | (pounds) | (pounds) |
| Well W-20I | | | | | | | | | |
| 01-Jan-94 to 02-Dec-98 | 1,783 | 20 - 30 | 61,012,800 | 361 | 27 | 0.00 | 19.57 | 0.86 | 0.00 |
| 03-Dec-98 to 23-Feb-99 | 83 | 25 | 2,988,000 | 74 | 0.43 | 0.00 | 1.84 | 0.01 | 0.00 |
| 24-Feb-99 to 03-Mar-99 | 8 | 35 | 403,200 | 74 | 0.43 | 0.00 | 0.25 | 0.00 | 0.00 |
| 04-Mar-99 to 02-Jun-99 | 92 | 35 | 4,636,800 | 80 | 0.43 | 0.00 | 3.09 | 0.02 | 0.00 |
| 02-Jun-99 to 15-Dec-99 | 181 | 35 | 9,122,400 | 97 | 0.00 | 0.00 | 7.39 | 0.00 | 0.00 |
| 30-Nov-99 to 13-Mar-00 | 104 | 35 | 5,241,600 | 87 | 0.00 | 0.00 | 3.80 | 0.00 | 0.00 |
| 13-Mar-00 to 10-Jul-00 | 119 | 35 | 5,997,600 | 87 | 0.00 | 0.00 | 4.34 | 0.00 | 0.00 |
| 11-Jul-00 to 30-Sept-00 | 82 | 35 | 4,132,800 | 97 | 0.00 | 0.00 | 3.36 | 0.00 | 0.00 |
| 01-Oct-00 to 31-Jan-01 | 123 | 35 | 6,199,200 | 98 | 0.00 | 0.00 | 5.05 | 0.00 | 0.00 |
| 01-Feb-01 to 30-Jun-01 | 150 | 35 | 7,560,000 | 103 | 0.00 | 0.00 | 6.49 | 0.00 | 0.00 |
| 01-Jul-01 to 31-Dec-01 | 184 | 35 | 9,273,600 | 104 | 0.00 | 0.00 | 8.01 | 0.00 | 0.00 |
| 01-Jan-02 to 30-Jun-02 | 151 | 35 | 7,610,400 | 106 | 0.00 | 0.00 | 6.70 | 0.00 | 0.00 |
| 01-July-02 to 31-Dec-02 | 183 | 35 | 9,223,200 | 111 | 0.00 | 0.00 | 8.51 | 0.00 | 0.00 |
| 01-Jan-03 to 30-Jun-03 | 134 | 35 | 6,753,600 | 100 | 0.00 | 0.00 | 5.66 | 0.00 | 0.00 |
| 01-July-03 to 31-Dec-03 | 184 | 35 | 9,273,600 | 135 | 0.00 | 0.00 | 10.41 | 0.00 | 0.00 |
| 01-Jan-04 to 30-Jun-04 | 180 | 35 | 9,072,000 | 108 | 0.00 | 0.00 | 8.14 | 0.00 | 0.00 |
| 01-July-04 to 31-Dec-04 | 155 | 35 | 7,812,000 | 185 | 0.00 | 0.00 | 12.03 | 0.00 | 0.00 |
| 01-Jan-05 to 30-Jun-05 | 181 | 35 | 9,122,400 | 196 | 0.00 | 0.00 | 14.92 | 0.00 | 0.00 |
| 01-July-05 to 31-Dec-05 | 152 | 35 | 7,660,800 | 117 | 0.00 | 0.00 | 7.45 | 0.00 | 0.00 |
| 01-Jan-06 to 30-Jun-06 | 176 | 35 | 8,870,400 | 95 | 0.00 | 0.00 | 7.02 | 0.00 | 0.00 |
| 01-July-06 to 31-Dec-06 | 184 | 35 | 9,273,600 | 96 | 0.00 | 0.00 | 7.39 | 0.00 | 0.00 |
| 01-Jan-07 to 30-Jun-07 | 181 | 35 | 9,122,400 | 83 | 0.00 | 0.00 | 6.31 | 0.00 | 0.00 |
| 01-July-07 to 31-Dec-07 | 183 | 35 | 9,223,200 | 78 | 0.00 | 0.00 | 5.98 | 0.00 | 0.00 |
| 01-Jan-08 to 30-Jun-08 | 180 | 35 | 9,072,000 | 83 | 0.00 | 0.00 | 6.25 | 0.00 | 0.00 |
| 01-July-08 to 31-Dec-08 | 177 | 35 | 8,920,800 | 83 | 0.00 | 0.00 | 6.14 | 0.00 | 0.00 |
| 01-Jan-09 to 30-Jun-09 | 180 | 35 | 9,072,000 | 47 | 0.00 | 0.00 | 3.53 | 0.00 | 0.00 |
| 01-July-09 to 31-Dec-09 | 180 | 35 | 9,072,000 | 49 | 0.95 | 0.00 | 3.74 | 0.07 | 0.00 |
| 01-Jan-10 to 30-Jun-10 | 181 | 35 | 9,122,400 | 43 | 0.00 | 0.00 | 3.30 | 0.00 | 0.00 |
| 01-July-10 to 31-Dec-10 | 181 | 35 | 9,122,400 | 61 | 0.00 | 0.00 | 4.65 | 0.00 | 0.00 |
| 01-Jan-11 to 30-Jun-11 | 181 | 35 | 9,122,400 | 115 | 0.00 | 3.65 | 8.75 | 0.00 | 0.28 |
| 01-July-11 to 31-Dec-11 | 184 | 35 | 9,273,600 | 44 | 0.00 | 1.57 | 3.41 | 0.00 | 0.12 |
| 01-Jan-12 to 30-Jun-12 | 163 | 35 | 8,215,200 | 47 | 0.19 | 0.60 | 3.24 | 0.01 | 0.04 |
| 01-July-12 to 31-Dec-12 | 183 | 35 | 9,223,200 | 47 | 0.00 | 0.00 | 3.58 | 0.00 | 0.00 |

**Table 5-1
Groundwater Extraction System Summary
J.H. Baxter Co. Wood Treating Facility**



| Observation Period | Pumping Information | | | Average Concentrations ^{a,b,c} | | | Estimated Mass Extracted ^d | | |
|---------------------------|---------------------|-------------------|--------------------|---|--------|--------|---------------------------------------|-------------|-------------|
| | Days Pumping | Rate ^e | Volume | PCP | PAHs | Metals | PCP | PAHs | Metals |
| | (days) | (gpm) | (gallons) | (µg/L) | (µg/L) | (µg/L) | (pounds) | (pounds) | (pounds) |
| Well W-20I cont. | | | | | | | | | |
| 01-Jan-13 to 30-Jun-13 | 176 | 35 | 8,870,400 | 24 | 0.00 | 2.11 | 1.78 | 0.00 | 0.16 |
| 01-July-13 to 31-Dec-13 | 184 | 35 | 9,273,600 | 37 | 0.00 | 0.36 | 2.89 | 0.00 | 0.03 |
| 01-Jan-14 to 30-Jun-14 | 181 | 35 | 9,122,400 | 33 | 0.09 | 2.55 | 2.47 | 0.01 | 0.19 |
| 01-July-14 to 31-Dec-14 | 183 | 35 | 9,223,200 | 11 | 0.00 | 2.61 | 0.85 | 0.00 | 0.20 |
| 01-Jan-15 to 30-Jun-15 | 180 | 35 | 9,072,000 | 47 | 0.00 | 0.55 | 3.56 | 0.00 | 0.04 |
| 01-Jul-15 to 31-Dec-15 | 183 | 35 | 9,223,200 | 28 | -- | -- | 2.16 | -- | -- |
| 01-Jan-16 to 30-Jun-16 | 180 | 35 | 9,072,000 | 28 | -- | -- | 2.12 | -- | -- |
| 01-Jul-16 to 31-Dec-16 | 183 | 35 | 9,223,200 | 19 | -- | -- | 1.46 | -- | -- |
| 01-Jan-17 to 30-Jun-17 | 180 | 35 | 9,072,000 | 19 | -- | -- | 1.44 | -- | -- |
| 01-Jul-17 to 31-Dec-17 | 183 | 35 | 9,223,200 | 25 | -- | -- | 1.92 | -- | -- |
| 01-Jan-18 to 30-Jun-18 | 180 | 35 | 9,072,000 | 25 | -- | -- | 1.89 | -- | -- |
| 01-Jul-18 to 31-Dec-18 | 184 | 35 | 9,273,600 | 16 | -- | -- | 1.24 | -- | -- |
| 01-Jan-19 to 30-Jun-19 | 180 | 35 | 9,072,000 | 16 | -- | -- | 1.21 | -- | -- |
| 01-Jul-19 to 31-Dec-19 | 184 | 35 | 9,273,600 | 21 | -- | -- | 1.63 | -- | -- |
| 01-Jan-20 to 30-Jun-20 | 180 | 35 | 9,072,000 | 21 | -- | -- | 1.59 | -- | -- |
| 01-Jul-20 to 31-Dec-20 | 169 | 35 | 8,517,600 | 55 | -- | -- | 3.87 | -- | -- |
| 01-Jan-21 to 30-Jun-21 | 174 | 35 | 8,769,600 | 55 | -- | -- | 3.99 | -- | -- |
| 01-Jul-21 to 31-Dec-21 | 118 | 35 | 5,947,200 | 55 | -- | -- | 2.73 | -- | -- |
| 01-Jan-22 to 30-Jun-22 | 181 | 35 | 9,122,400 | 22 | -- | -- | 1.67 | -- | -- |
| 01-Jul-22 to 31-Dec-22 | Data not available | | | -- | -- | -- | -- | -- | -- |
| 01-Jan-23 to 30-Jun-23 | 149 | 35 | 7,509,600 | 22 | -- | -- | 1.38 | -- | -- |
| 01-Jul-23 to 31-Dec-23 | 173 | 35 | 8,719,200 | 22 | -- | -- | 1.60 | -- | -- |
| 01-Jan-24 to 30-Jun-24 | 100 | 35 | 5,040,000 | 49 | -- | -- | 2.04 | -- | -- |
| 01-Jul-24 to 31-Dec-24 | 119 | 35 | 5,997,600 | 16 | -- | -- | 0.79 | -- | -- |
| Cumulative Amounts | 10,428 | ~35 | 500,565,600 | | | | 256.58 | 0.98 | 1.06 |
| Well W-13S | | | | | | | | | |
| 01-Jan-94 to 02-Dec-98 | 1,783 | 5 | 12,837,600 | 25,175 | 35 | 0.00 | 321.36 | 1.21 | 0.00 |
| 03-Dec-98 to 23-Feb-99 | 83 | 5 | 597,600 | 4,170 | 0.00 | 0.00 | 20.85 | 0.00 | 0.00 |
| 24-Feb-99 to 03-Mar-99 | 8 | 5 | 57,600 | 4,170 | 0.00 | 0.00 | 2.01 | 0.00 | 0.00 |
| 04-Mar-99 to 02-Jun-99 | 92 | 5 | 662,400 | 4,105 | 0.00 | 0.00 | 22.75 | 0.00 | 0.00 |
| 02-Jun-99 to 15-Dec-99 | 181 | 5 | 1,303,200 | 3,260 | 0.00 | 0.00 | 35.54 | 0.00 | 0.00 |
| 30-Nov-99 to 13-Mar-00 | 104 | 5 | 748,800 | 2,485 | 0.00 | 0.00 | 15.57 | 0.00 | 0.00 |
| 13-Mar-00 to 10-Jul-00 | 119 | 5 | 856,800 | 1,880 | 0.00 | 0.00 | 13.47 | 0.00 | 0.00 |
| 11-Jul-00 to 30-Sept-00 | 82 | 5 | 590,400 | 1,560 | 9.7 | 0.00 | 7.69 | 0.05 | 0.00 |
| 01-Oct-00 to 31-Jan-01 | 123 | 5 | 885,600 | 1,590 | 1.9 | 0.00 | 11.75 | 0.01 | 0.00 |
| 01-Feb-01 to 30-Jun-01 | 150 | 5 | 1,080,000 | 1,481 | 1.4 | 0.00 | 13.35 | 0.01 | 0.00 |

**Table 5-1
Groundwater Extraction System Summary
J.H. Baxter Co. Wood Treating Facility**



| Observation Period | Pumping Information | | | Average Concentrations ^{a,b,c} | | | Estimated Mass Extracted ^d | | |
|-------------------------|---------------------|-------------------|-----------|---|--------|--------|---------------------------------------|----------|----------|
| | Days Pumping | Rate ^e | Volume | PCP | PAHs | Metals | PCP | PAHs | Metals |
| | (days) | (gpm) | (gallons) | (µg/L) | (µg/L) | (µg/L) | (pounds) | (pounds) | (pounds) |
| Well W-13S cont. | | | | | | | | | |
| 01-Jul-01 to 31-Dec-01 | 184 | 5 | 1,324,800 | 1,379 | 4.1 | 0.00 | 15.25 | 0.05 | 0.00 |
| 01-Jan-02 to 30-Jun-02 | 151 | 5 | 1,087,200 | 1,455 | 1.2 | 0.00 | 13.20 | 0.01 | 0.00 |
| 01-July-02 to 31-Dec-02 | 183 | 5 | 1,317,600 | 1,435 | 0.30 | 0.00 | 15.78 | 0.00 | 0.00 |
| 01-Jan-03 to 30-Jun-03 | 134 | 5 | 964,800 | 1,235 | 1.2 | 0.00 | 9.94 | 0.01 | 0.00 |
| 01-July-03 to 31-Dec-03 | 184 | 5 | 1,324,800 | 235 | 0.17 | 0.00 | 2.60 | 0.00 | 0.00 |
| 01-Jan-04 to 30-Jun-04 | 180 | 5 | 1,296,000 | 541 | 0.62 | 0.00 | 5.85 | 0.01 | 0.00 |
| 01-July-04 to 31-Dec-04 | 155 | 5 | 1,116,000 | 1,018 | 0.42 | 0.00 | 9.48 | 0.00 | 0.00 |
| 01-Jan-05 to 30-Jun-05 | 181 | 5 | 1,303,200 | 2,070 | 2.1 | 0.00 | 22.51 | 0.02 | 0.00 |
| 01-July-05 to 31-Dec-05 | 152 | 5 | 1,094,400 | 1,730 | 0.52 | 0.00 | 15.80 | 0.00 | 0.00 |
| 01-Jan-06 to 30-Jun-06 | 176 | 5 | 1,267,200 | 1,034 | 0.36 | 0.00 | 10.93 | 0.00 | 0.00 |
| 01-July-06 to 31-Dec-06 | 184 | 5 | 1,324,800 | 902 | 0.18 | 0.00 | 9.97 | 0.00 | 0.00 |
| 01-Jan-07 to 30-Jun-07 | 181 | 5 | 1,303,200 | 729 | 0.13 | 0.00 | 7.92 | 0.00 | 0.00 |
| 01-July-07 to 31-Dec-07 | 183 | 5 | 1,317,600 | 78 | 0.13 | 0.00 | 0.86 | 0.00 | 0.00 |
| 01-Jan-08 to 30-Jun-08 | 180 | 5 | 1,296,000 | 127 | 0.11 | 0.00 | 1.38 | 0.00 | 0.00 |
| 01-July-08 to 31-Dec-08 | 177 | 5 | 1,274,400 | 127 | 0.11 | 0.00 | 1.35 | 0.00 | 0.00 |
| 01-Jan-09 to 30-Jun-09 | 180 | 5 | 1,296,000 | 1.36 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |
| 01-July-09 to 31-Dec-09 | 180 | 5 | 1,296,000 | 43 | 0.06 | 165.5 | 0.46 | 0.00 | 1.79 |
| 01-Jan-10 to 30-Jun-10 | 181 | 5 | 1,303,200 | 93 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 |
| 01-July-10 to 31-Dec-10 | 181 | 5 | 1,303,200 | 59 | 0.00 | 0.00 | 0.65 | 0.00 | 0.00 |
| 01-Jan-11 to 30-Jun-11 | 181 | 5 | 1,303,200 | 455 | 0.05 | 3.10 | 4.94 | 0.00 | 0.03 |
| 01-July-11 to 31-Dec-11 | 184 | 5 | 1,324,800 | 180 | 0.00 | 7.70 | 1.99 | 0.00 | 0.09 |
| 01-Jan-12 to 30-Jun-12 | 163 | 5 | 1,173,600 | 590 | 0.54 | 3.61 | 5.78 | 0.01 | 0.04 |
| 01-July-12 to 31-Dec-12 | 183 | 5 | 1,317,600 | 428 | 0.08 | 4.28 | 4.70 | 0.00 | 0.05 |
| 01-Jan-13 to 30-Jun-13 | 176 | 5 | 1,267,200 | 1,400 | 0.44 | 4.95 | 14.81 | 0.00 | 0.05 |
| 01-July-13 to 31-Dec-13 | 184 | 5 | 1,324,800 | 515 | 1.1 | 4.63 | 5.69 | 0.01 | 0.05 |
| 01-Jan-14 to 30-Jun-14 | 181 | 5 | 1,303,200 | 168 | 0.10 | 3.55 | 1.82 | 0.00 | 0.04 |
| 01-July-14 to 31-Dec-14 | 183 | 5 | 1,317,600 | 85 | 0.00 | 2.81 | 0.93 | 0.00 | 0.03 |
| 01-Jan-15 to 30-Jun-15 | 180 | 5 | 1,296,000 | 20 | 0.00 | 7.9 | 0.21 | 0.00 | 0.09 |
| 01-July-15 to 31-Dec-15 | 183 | 5 | 1,317,600 | 2.7 | -- | -- | 0.03 | -- | -- |
| 01-Jan-16 to 30-Jun-16 | 180 | 5 | 1,296,000 | 2.7 | -- | -- | 0.03 | -- | -- |
| 01-Jul-16 to 31-Dec-16 | 183 | 5 | 1,317,600 | 4.8 | -- | -- | 0.05 | -- | -- |
| 01-Jan-17 to 30-Jun-17 | 180 | 5 | 1,296,000 | 4.8 | -- | -- | 0.05 | -- | -- |
| 01-Jul-17 to 31-Dec-17 | 183 | 5 | 1,317,600 | 8 | -- | -- | 0.09 | -- | -- |

**Table 5-1
Groundwater Extraction System Summary
J.H. Baxter Co. Wood Treating Facility**



| Observation Period | Pumping Information | | | Average Concentrations ^{a,b,c} | | | Estimated Mass Extracted ^d | | |
|---------------------------|---------------------|-------------------|-------------------|---|--------|--------|---------------------------------------|-------------|-------------|
| | Days Pumping | Rate ^e | Volume | PCP | PAHs | Metals | PCP | PAHs | Metals |
| | (days) | (gpm) | (gallons) | (µg/L) | (µg/L) | (µg/L) | (pounds) | (pounds) | (pounds) |
| Well W-13S cont. | | | | | | | | | |
| 01-Jan-18 to 30-Jun-18 | 180 | 5 | 1,296,000 | 8 | -- | -- | 0.09 | -- | -- |
| 01-Jul-18 to 31-Dec-18 | 184 | 5 | 1,324,800 | 8.5 | -- | -- | 0.09 | -- | -- |
| 01-Jan-19 to 30-Jun-19 | 180 | 5 | 1,296,000 | 8.5 | -- | -- | 0.09 | -- | -- |
| 01-Jul-19 to 31-Dec-19 | 184 | 5 | 1,324,800 | 4.6 | -- | -- | 0.05 | -- | -- |
| 01-Jan-20 to 30-Jun-20 | 180 | 5 | 1,296,000 | 4.6 | -- | -- | 0.05 | -- | -- |
| 01-Jul-20 to 31-Dec-20 | 169 | 5 | 1,216,800 | 1.88 | -- | -- | 0.02 | -- | -- |
| 01-Jan-21 to 30-Jun-21 | 174 | 5 | 1,252,800 | 1.88 | -- | -- | 0.02 | -- | -- |
| 01-Jul-21 to 31-Dec-21 | 184 | 5 | 1,324,800 | 1.68 | -- | -- | 0.02 | -- | -- |
| 01-Jan-22 to 30-June-22 | 181 | 5 | 1,303,200 | 1.68 | -- | -- | 0.02 | -- | -- |
| 01-Jul-22 to 31-Dec-22 | Data not available | | | -- | -- | -- | -- | -- | -- |
| 01-Jan-23 to 30-Jun-23 | 149 | 5 | 1,072,800 | 1.68 | -- | -- | 0.02 | -- | -- |
| 01-Jul-23 to 31-Dec-23 | 173 | 5 | 1,245,600 | 1.68 | -- | -- | 0.02 | -- | -- |
| 01-Jan-24 to 30-Jun-24 | 100 | 5 | 720,000 | 0.19 | -- | -- | 0.001 | -- | -- |
| 01-Jul-24 to 31-Dec-24 | 119 | 5 | 856,800 | 261 | -- | -- | 1.864 | -- | -- |
| Cumulative Amounts | 10,494 | 5 | 76,276,800 | | | | 652.75 | 1.40 | 2.26 |
| Well W-13I | | | | | | | | | |
| 01-Jan-94 to 02-Dec-98 | 1,783 | 10 - 15 | 32,522,400 | 3,196 | 35 | 0.00 | 124.69 | 1.44 | 0.00 |
| 03-Dec-98 to 23-Feb-99 | 83 | 10 | 1,195,200 | 590 | 0.00 | 0.00 | 5.90 | 0.00 | 0.00 |
| 24-Feb-99 to 03-Mar-99 | 8 | 10 | 115,200 | 590 | 0.00 | 0.00 | 0.57 | 0.00 | 0.00 |
| 04-Mar-99 to 02-Jun-99 | 92 | 10 | 1,324,800 | 640 | 0.00 | 0.00 | 7.09 | 0.00 | 0.00 |
| 02-Jun-99 to 15-Dec-99 | 181 | 10 | 2,606,400 | 876 | 0.00 | 0.00 | 19.10 | 0.00 | 0.00 |
| 30-Nov-99 to 13-Mar-00 | 104 | 10 | 1,497,600 | 823 | 0.00 | 0.00 | 10.30 | 0.00 | 0.00 |
| 13-Mar-00 to 10-Jul-00 | 119 | 10 | 1,713,600 | 785 | 0.95 | 0.00 | 11.25 | 0.01 | 0.00 |
| 11-Jul-00 to 30-Sept-00 | 82 | 10 | 1,180,800 | 803 | 9.6 | 0.00 | 7.91 | 0.09 | 0.00 |
| 01-Oct-00 to 31-Jan-01 | 123 | 10 | 1,771,200 | 747 | 1.8 | 0.00 | 11.04 | 0.03 | 0.00 |
| 01-Feb-01 to 30-Jun-01 | 150 | 10 | 2,160,000 | 778 | 1.4 | 0.00 | 14.02 | 0.02 | 0.00 |
| 01-Jul-01 to 31-Dec-01 | 184 | 10 | 2,649,600 | 887 | 1.2 | 0.00 | 19.61 | 0.03 | 0.00 |
| 01-Jan-02 to 30-Jun-02 | 151 | 10 | 2,174,400 | 672 | 0.55 | 0.00 | 12.19 | 0.01 | 0.00 |
| 01-July-02 to 31-Dec-02 | 183 | 10 | 2,635,200 | 1,025 | 0.85 | 0.00 | 22.54 | 0.02 | 0.00 |
| 01-Jan-03 to 30-Jun-03 | 134 | 10 | 1,929,600 | 829 | 0.80 | 0.00 | 13.35 | 0.01 | 0.00 |
| 01-July-03 to 31-Dec-03 | 184 | 10 | 2,649,600 | 883 | 1.2 | 0.00 | 19.51 | 0.03 | 0.00 |
| 01-Jan-04 to 30-Jun-04 | 180 | 10 | 2,592,000 | 859 | 1.2 | 0.00 | 18.59 | 0.03 | 0.00 |
| 01-July-04 to 31-Dec-04 | 155 | 10 | 2,232,000 | 1,260 | 1.3 | 0.00 | 23.47 | 0.02 | 0.00 |
| 01-Jan-05 to 30-Jun-05 | 181 | 10 | 2,606,400 | 942 | 1.4 | 0.00 | 20.48 | 0.03 | 0.00 |
| 01-July-05 to 31-Dec-05 | 152 | 10 | 2,188,800 | 970 | 1.3 | 0.00 | 17.72 | 0.02 | 0.00 |
| 01-Jan-06 to 30-Jun-06 | 176 | 10 | 2,534,400 | 897 | 0.88 | 0.00 | 18.97 | 0.02 | 0.00 |

**Table 5-1
Groundwater Extraction System Summary
J.H. Baxter Co. Wood Treating Facility**



| Observation Period | Pumping Information | | | Average Concentrations ^{a,b,c} | | | Estimated Mass Extracted ^d | | |
|-------------------------|---------------------|-------------------|-----------|---|--------|--------|---------------------------------------|----------|----------|
| | Days Pumping | Rate ^e | Volume | PCP | PAHs | Metals | PCP | PAHs | Metals |
| | (days) | (gpm) | (gallons) | (µg/L) | (µg/L) | (µg/L) | (pounds) | (pounds) | (pounds) |
| Well W-13I cont. | | | | | | | | | |
| 01-July-06 to 31-Dec-06 | 184 | 10 | 2,649,600 | 865 | 0.43 | 0.00 | 19.13 | 0.01 | 0.00 |
| 01-Jan-07 to 30-Jun-07 | 181 | 10 | 2,606,400 | 857 | 0.63 | 0.00 | 18.64 | 0.01 | 0.00 |
| 01-July-07 to 31-Dec-07 | 183 | 10 | 2,635,200 | 623 | 1.5 | 0.00 | 13.70 | 0.03 | 0.00 |
| 01-Jan-08 to 30-Jun-08 | 180 | 10 | 2,592,000 | 866 | 0.53 | 0.00 | 18.73 | 0.01 | 0.00 |
| 01-July-08 to 31-Dec-08 | 177 | 10 | 2,548,800 | 866 | 0.53 | 0.00 | 18.41 | 0.01 | 0.00 |
| 01-Jan-09 to 30-Jun-09 | 180 | 10 | 2,592,000 | 729 | 0.32 | 0.00 | 15.77 | 0.01 | 0.00 |
| 01-July-09 to 31-Dec-09 | 180 | 10 | 2,592,000 | 805 | 0.95 | 0.00 | 17.42 | 0.02 | 0.00 |
| 01-Jan-10 to 30-Jun-10 | 181 | 10 | 2,606,400 | 639 | 0.68 | 0.00 | 13.90 | 0.01 | 0.00 |
| 01-July-10 to 31-Dec-10 | 181 | 10 | 2,606,400 | 754 | 0.33 | 0.00 | 16.40 | 0.01 | 0.00 |
| 01-Jan-11 to 30-Jun-11 | 181 | 10 | 2,606,400 | 1,298 | 0.30 | 2.45 | 28.22 | 0.01 | 0.05 |
| 01-July-11 to 31-Dec-11 | 184 | 10 | 2,649,600 | 980 | 0.50 | 1.18 | 21.67 | 0.01 | 0.03 |
| 01-Jan-12 to 30-Jun-12 | 163 | 10 | 2,347,200 | 700 | 0.40 | 2.73 | 13.71 | 0.01 | 0.05 |
| 01-July-12 to 31-Dec-12 | 183 | 10 | 2,635,200 | 830 | 1.1 | 1.56 | 18.25 | 0.02 | 0.03 |
| 01-Jan-13 to 30-Jun-13 | 176 | 10 | 2,534,400 | 1,050 | 1.1 | 2.55 | 22.21 | 0.02 | 0.05 |
| 01-July-13 to 31-Dec-13 | 184 | 10 | 2,649,600 | 970 | 1.2 | 0.28 | 21.45 | 0.03 | 0.01 |
| 01-Jan-14 to 30-Jun-14 | 181 | 10 | 2,606,400 | 533 | 0.29 | 1.95 | 11.58 | 0.01 | 0.04 |
| 01-July-14 to 31-Dec-14 | 183 | 10 | 2,635,200 | 563 | 0.20 | 0.26 | 12.37 | 0.00 | 0.01 |
| 01-Jan-15 to 30-Jun-15 | 180 | 10 | 2,592,000 | 385 | 0.20 | 0.00 | 8.33 | 0.00 | 0.00 |
| 01-Jul-15 to 31-Dec-15 | 183 | 10 | 2,635,200 | 490 | -- | -- | 10.78 | -- | -- |
| 01-Jan-16 to 30-Jun-16 | 181 | 10 | 2,606,400 | 490 | -- | -- | 10.66 | -- | -- |
| 01-Jul-16 to 31-Dec-16 | 183 | 10 | 2,635,200 | 350 | -- | -- | 7.70 | -- | -- |
| 01-Jan-17 to 30-Jun-17 | 181 | 10 | 2,606,400 | 350 | -- | -- | 7.61 | -- | -- |
| 01-Jul-17 to 31-Dec-17 | 183 | 10 | 2,635,200 | 350 | -- | -- | 7.70 | -- | -- |
| 01-Jan-18 to 30-Jun-18 | 181 | 10 | 2,606,400 | 350 | -- | -- | 7.61 | -- | -- |
| 01-Jul-18 to 31-Dec-18 | 184 | 10 | 2,649,600 | 370 | -- | -- | 8.18 | -- | -- |
| 01-Jan-19 to 30-Jun-19 | 180 | 10 | 2,592,000 | 370 | -- | -- | 8.00 | -- | -- |
| 01-Jul-19 to 31-Dec-19 | 184 | 10 | 2,649,600 | 290 | -- | -- | 6.41 | -- | -- |
| 01-Jan-20 to 30-Jun-20 | 180 | 10 | 2,592,000 | 290 | -- | -- | 6.27 | -- | -- |
| 01-Jul-20 to 31-Dec-20 | 169 | 10 | 2,433,600 | 254 | -- | -- | 5.15 | -- | -- |
| 01-Jan-21 to 30-Jun-21 | 174 | 10 | 2,505,600 | 254 | -- | -- | 5.30 | -- | -- |
| 01-Jul-21 to 31-Dec-21 | 118 | 10 | 1,699,200 | -- | -- | -- | -- | -- | -- |
| 01-Jan-22 to 30-June-22 | 181 | 10 | 2,606,400 | 334 | -- | -- | 7.25 | -- | -- |
| 01-Jul-22 to 31-Dec-22 | Data not available | | | -- | -- | -- | -- | -- | -- |

Table 5-1
Groundwater Extraction System Summary
J.H. Baxter Co. Wood Treating Facility



| Observation Period | Pumping Information | | | Average Concentrations ^{a,b,c} | | | Estimated Mass Extracted ^d | | |
|---------------------------|---------------------|-------------------|--------------------|---|-----------|-----------|---------------------------------------|-------------|-------------|
| | Days Pumping | Rate ^e | Volume | PCP | PAHs | Metals | PCP | PAHs | Metals |
| | (days) | (gpm) | (gallons) | (µg/L) | (µg/L) | (µg/L) | (pounds) | (pounds) | (pounds) |
| Well W-13I cont. | | | | | | | | | |
| 01-Jan-23 to 30-Jun-23 | 149 | 10 | 2,145,600 | 334 | -- | -- | 5.97 | -- | -- |
| 01-Jul-23 to 31-Dec-23 | 173 | 10 | 2,491,200 | 334 | -- | -- | 6.93 | -- | -- |
| 01-Jan-24 to 30-Jun-24 | 100 | 10 | 1,440,000 | 170 | -- | -- | 2.04 | -- | -- |
| 01-Jul-24 to 31-Dec-24 | 119 | 10 | 1,713,600 | 170 | -- | -- | 2.43 | -- | -- |
| Cumulative Amounts | 10,431 | 10 | 158,493,600 | | | | 824.19 | 2.04 | 0.27 |
| TOTALS | 31,353 | -- | 735,336,000 | -- | -- | -- | 1,734 | 4.4 | 3.6 |

| Notes | | | | | | | | | |
|---|--|--|--|--|---|--|--|--|--|
| -- = data not available or not applicable. | | | | | Metals = total arsenic, total chromium, total copper, and total zinc. | | | | |
| gpm = gallons per minute. | | | | | µg/L = micrograms per liter. | | | | |
| PAHs = polycyclic aromatic hydrocarbons. | | | | | PCP = pentachlorophenol. | | | | |
| ^a Concentrations are averages of detected values from quarterly analytical results or from semi-annual sampling analytical results once quarterly sampling ended. For metals, the concentration is average of the sum for each sampling event. | | | | | | | | | |
| ^b Field duplicate values averaged with parent value before calculating the average concentration for the observation period. | | | | | | | | | |
| ^c No value assigned to concentrations below the method reporting limit. | | | | | | | | | |
| ^d Estimated mass calculated on the basis of corrected average concentrations. | | | | | | | | | |
| ^e Flow rate estimated based upon pump capacity. | | | | | | | | | |

Appendix A

Laboratory Reports and Data Validation Memorandum



MAUL
FOSTER
ALONGI



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Tuesday, November 19, 2024

David Weatherby
Maul Foster & Alongi, INC.
3140 NE Broadway Street
Portland, OR 97232

RE: A411618 - JH Baxter GW Sampling - M0461.03.007

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A411618, which was received by the laboratory on 9/27/2024 at 12:13:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Table with 2 columns: Cooler #, Temperature (degC). Header: Cooler Receipt Information. Sub-headers: Cooler #1, Cooler #2, Cooler #3, Cooler #4. Values: 5.9, 4.0, 2.5, 1.1.

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report. All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

Philip Nerenberg (signature)

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

| Client Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| W-12I-GW-0924 | A4I1618-01 | Water | 09/25/24 16:13 | 09/27/24 12:13 |
| W-23I-GW-0924 | A4I1618-02 | Water | 09/25/24 16:35 | 09/27/24 12:13 |
| W-11I-GW-0924 | A4I1618-03 | Water | 09/25/24 17:35 | 09/27/24 12:13 |
| W-11S-GW-0924 | A4I1618-04 | Water | 09/25/24 17:40 | 09/27/24 12:13 |
| W-18AI-GW-0924 | A4I1618-05 | Water | 09/26/24 08:40 | 09/27/24 12:13 |
| W-13I-GW-0924 | A4I1618-06 | Water | 09/26/24 08:10 | 09/27/24 12:13 |
| W-20I-GW-0924 | A4I1618-07 | Water | 09/26/24 08:07 | 09/27/24 12:13 |
| W-DUP-GW-0924 | A4I1618-08 | Water | 09/26/24 08:07 | 09/27/24 12:13 |
| W-7S-GW-0924 | A4I1618-09 | Water | 09/26/24 10:02 | 09/27/24 12:13 |
| W-26-GW-0924 | A4I1618-10 | Water | 09/26/24 11:31 | 09/27/24 12:13 |
| W-25-GW-0924 | A4I1618-11 | Water | 09/26/24 13:55 | 09/27/24 12:13 |
| W-17AI-GW-0924 | A4I1618-12 | Water | 09/26/24 16:50 | 09/27/24 12:13 |
| W-17AS-GW-0924 | A4I1618-13 | Water | 09/26/24 17:20 | 09/27/24 12:13 |
| W-24-GW-0924 | A4I1618-14 | Water | 09/26/24 16:10 | 09/27/24 12:13 |
| W-13S-GW-0924 | A4I1618-15 | Water | 09/26/24 08:12 | 09/27/24 12:13 |
| W-6I-GW-0924 | A4I1618-16 | Water | 09/26/24 09:25 | 09/27/24 12:13 |
| W-29-GW-0924 | A4I1618-17 | Water | 09/26/24 11:25 | 09/27/24 12:13 |
| W-32-GW-0924 | A4I1618-18 | Water | 09/26/24 14:50 | 09/27/24 12:13 |

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

ANALYTICAL CASE NARRATIVE

A4I1618

Apex Laboratories

Amended Report Revision 1:

8270E Missing Batch QC and sample volume change

This report supersedes all previous reports.

Due to an analytical error, sample W-12I-GW-0924 (Apex ID: A4I1618-01) was mistakenly reported as being associated with Batch 24I0947 and was reported with no associated Batch QC. This also led to the sample being reported with an incorrect sample volume resulting in revised reporting limits and slight changes to detected analyte concentrations. The sample is now correctly associated with Batch 24I0962 and is being reported with an AMEND qualifier.

Josh King
Semivolatiles Manager
11/13/2024

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------------|-----------------|-------------------------|----------|-----------------------|-----------------------|------------------|
| W-12I-GW-0924 (A4I1618-01RE3) | | | | Matrix: Water | | Batch: 24I0962 | | AMEND |
| 2-Chlorophenol | ND | 0.0505 | 0.101 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | |
| 4-Chloro-3-methylphenol | ND | 0.101 | 0.202 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | |
| 2,4-Dichlorophenol | ND | 0.0505 | 0.101 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | |
| 2,4-Dimethylphenol | ND | 0.253 | 0.505 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | |
| 2,4-Dinitrophenol | ND | 0.253 | 0.505 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | |
| 4,6-Dinitro-2-methylphenol | ND | 0.253 | 0.505 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | |
| 2-Methylphenol | ND | 0.0253 | 0.0505 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | |
| 3+4-Methylphenol(s) | ND | 0.0253 | 0.0505 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | |
| 2-Nitrophenol | ND | 0.101 | 0.202 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | |
| 4-Nitrophenol | ND | 0.101 | 0.202 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | |
| Pentachlorophenol (PCP) | 0.112 | 0.101 | 0.202 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | J |
| Phenol | ND | 0.202 | 0.404 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | |
| 2,3,4,6-Tetrachlorophenol | 0.0547 | 0.0505 | 0.101 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | J |
| 2,3,5,6-Tetrachlorophenol | ND | 0.0505 | 0.101 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | |
| 2,4,5-Trichlorophenol | ND | 0.0505 | 0.101 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | |
| 2,4,6-Trichlorophenol | ND | 0.0505 | 0.101 | ug/L | 1 | 10/01/24 17:39 | EPA 8270E | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 51 %</i> | | <i>Limits: 44-120 %</i> | | <i>1</i> | <i>10/01/24 17:39</i> | <i>EPA 8270E</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | | <i>47 %</i> | | <i>44-120 %</i> | | <i>1</i> | <i>10/01/24 17:39</i> | <i>EPA 8270E</i> |
| <i>Phenol-d6 (Surr)</i> | | <i>16 %</i> | | <i>10-133 %</i> | | <i>1</i> | <i>10/01/24 17:39</i> | <i>EPA 8270E</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>64 %</i> | | <i>50-134 %</i> | | <i>1</i> | <i>10/01/24 17:39</i> | <i>EPA 8270E</i> |
| <i>2-Fluorophenol (Surr)</i> | | <i>25 %</i> | | <i>19-120 %</i> | | <i>1</i> | <i>10/01/24 17:39</i> | <i>EPA 8270E</i> |
| <i>2,4,6-Tribromophenol (Surr)</i> | | <i>76 %</i> | | <i>43-140 %</i> | | <i>1</i> | <i>10/01/24 17:39</i> | <i>EPA 8270E</i> |
| W-23I-GW-0924 (A4I1618-02RE1) | | | | Matrix: Water | | Batch: 24I0962 | | |
| 2-Chlorophenol | ND | 0.192 | 0.385 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | |
| 4-Chloro-3-methylphenol | ND | 0.385 | 0.769 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | |
| 2,4-Dichlorophenol | ND | 0.192 | 0.385 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | |
| 2,4-Dimethylphenol | ND | 0.962 | 1.92 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | |
| 2,4-Dinitrophenol | ND | 0.962 | 1.92 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | |
| 4,6-Dinitro-2-methylphenol | ND | 0.962 | 1.92 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | |
| 2-Methylphenol | ND | 0.0962 | 0.192 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | |
| 3+4-Methylphenol(s) | ND | 0.0962 | 0.192 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | |
| 2-Nitrophenol | ND | 0.385 | 0.769 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | |
| 4-Nitrophenol | ND | 0.385 | 0.769 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | |

Apex Laboratories

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A411618 - 11 19 24 1451 |
|--|---|---|

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes | | |
|--|---------------|-----------------------|----------------------|-------------------------|----------|-----------------------|-----------------------|-----------------------|------------------|-------------|
| W-231-GW-0924 (A411618-02RE1) | | | Matrix: Water | | | Batch: 2410962 | | | | |
| Pentachlorophenol (PCP) | 10.2 | 0.385 | 0.769 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | | | |
| Phenol | ND | 0.769 | 1.54 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | | | |
| 2,3,4,6-Tetrachlorophenol | 0.336 | 0.192 | 0.385 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | J | | |
| 2,3,5,6-Tetrachlorophenol | 0.586 | 0.192 | 0.385 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | | | |
| 2,4,5-Trichlorophenol | ND | 0.192 | 0.385 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | | | |
| 2,4,6-Trichlorophenol | ND | 0.192 | 0.385 | ug/L | 4 | 09/30/24 20:03 | EPA 8270E | | | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 58 %</i> | | <i>Limits: 44-120 %</i> | | <i>4</i> | <i>09/30/24 20:03</i> | <i>EPA 8270E</i> | | |
| <i>2-Fluorobiphenyl (Surr)</i> | | | | <i>67 %</i> | | <i>44-120 %</i> | <i>4</i> | <i>09/30/24 20:03</i> | <i>EPA 8270E</i> | |
| <i>Phenol-d6 (Surr)</i> | | | | <i>17 %</i> | | <i>10-133 %</i> | <i>4</i> | <i>09/30/24 20:03</i> | <i>EPA 8270E</i> | |
| <i>p-Terphenyl-d14 (Surr)</i> | | | | <i>79 %</i> | | <i>50-134 %</i> | <i>4</i> | <i>09/30/24 20:03</i> | <i>EPA 8270E</i> | |
| <i>2-Fluorophenol (Surr)</i> | | | | <i>28 %</i> | | <i>19-120 %</i> | <i>4</i> | <i>09/30/24 20:03</i> | <i>EPA 8270E</i> | |
| <i>2,4,6-Tribromophenol (Surr)</i> | | | | <i>106 %</i> | | <i>43-140 %</i> | <i>4</i> | <i>09/30/24 20:03</i> | <i>EPA 8270E</i> | |
| W-111-GW-0924 (A411618-03RE1) | | | Matrix: Water | | | Batch: 2410962 | | | | |
| 2-Chlorophenol | ND | 0.0495 | 0.0990 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| 4-Chloro-3-methylphenol | ND | 0.0990 | 0.198 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| 2,4-Dichlorophenol | ND | 0.0495 | 0.0990 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| 2,4-Dimethylphenol | ND | 0.248 | 0.495 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| 2,4-Dinitrophenol | ND | 0.248 | 0.495 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| 4,6-Dinitro-2-methylphenol | ND | 0.248 | 0.495 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| 2-Methylphenol | ND | 0.0248 | 0.0495 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| 3+4-Methylphenol(s) | ND | 0.0495 | 0.0495 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| 2-Nitrophenol | ND | 0.0990 | 0.198 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| 4-Nitrophenol | ND | 0.0990 | 0.198 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| Pentachlorophenol (PCP) | ND | 0.0990 | 0.198 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| Phenol | ND | 0.198 | 0.396 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| 2,3,4,6-Tetrachlorophenol | ND | 0.0495 | 0.0990 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| 2,3,5,6-Tetrachlorophenol | ND | 0.0495 | 0.0990 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| 2,4,5-Trichlorophenol | ND | 0.0495 | 0.0990 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| 2,4,6-Trichlorophenol | ND | 0.0495 | 0.0990 | ug/L | 1 | 09/30/24 20:36 | EPA 8270E | | | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 40 %</i> | | <i>Limits: 44-120 %</i> | | <i>1</i> | <i>09/30/24 20:36</i> | <i>EPA 8270E</i> | <i>S-06</i> | |
| <i>2-Fluorobiphenyl (Surr)</i> | | | | <i>41 %</i> | | <i>44-120 %</i> | <i>1</i> | <i>09/30/24 20:36</i> | <i>EPA 8270E</i> | <i>S-06</i> |
| <i>Phenol-d6 (Surr)</i> | | | | <i>12 %</i> | | <i>10-133 %</i> | <i>1</i> | <i>09/30/24 20:36</i> | <i>EPA 8270E</i> | |
| <i>p-Terphenyl-d14 (Surr)</i> | | | | <i>56 %</i> | | <i>50-134 %</i> | <i>1</i> | <i>09/30/24 20:36</i> | <i>EPA 8270E</i> | |

Apex Laboratories

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------------|-----------------|-------------------------|----------|-----------------------|-----------------------|------------------|
| W-111-GW-0924 (A4I1618-03RE1) | | | | Matrix: Water | | Batch: 24I0962 | | |
| <i>Surrogate: 2-Fluorophenol (Surr)</i> | | <i>Recovery: 23 %</i> | | <i>Limits: 19-120 %</i> | | <i>1</i> | <i>09/30/24 20:36</i> | <i>EPA 8270E</i> |
| <i>2,4,6-Tribromophenol (Surr)</i> | | <i>65 %</i> | | <i>43-140 %</i> | | <i>1</i> | <i>09/30/24 20:36</i> | <i>EPA 8270E</i> |
| W-11S-GW-0924 (A4I1618-04RE2) | | | | Matrix: Water | | Batch: 24I0962 | | |
| 2-Chlorophenol | ND | 0.0481 | 0.0962 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | |
| 4-Chloro-3-methylphenol | ND | 0.0962 | 0.192 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | |
| 2,4-Dichlorophenol | ND | 0.0481 | 0.0962 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | |
| 2,4-Dimethylphenol | ND | 0.240 | 0.481 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | |
| 2,4-Dinitrophenol | ND | 0.240 | 0.481 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | |
| 4,6-Dinitro-2-methylphenol | ND | 0.240 | 0.481 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | |
| 2-Methylphenol | ND | 0.0240 | 0.0481 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | |
| 3+4-Methylphenol(s) | 0.0313 | 0.0240 | 0.0481 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | J |
| 2-Nitrophenol | ND | 0.0962 | 0.192 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | |
| 4-Nitrophenol | ND | 0.0962 | 0.192 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | |
| Pentachlorophenol (PCP) | 0.117 | 0.0962 | 0.192 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | J |
| Phenol | ND | 0.192 | 0.385 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | |
| 2,3,4,6-Tetrachlorophenol | ND | 0.0481 | 0.0962 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | |
| 2,3,5,6-Tetrachlorophenol | ND | 0.0481 | 0.0962 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | |
| 2,4,5-Trichlorophenol | ND | 0.0481 | 0.0962 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | |
| 2,4,6-Trichlorophenol | ND | 0.0481 | 0.0962 | ug/L | 1 | 10/01/24 15:56 | EPA 8270E | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 68 %</i> | | <i>Limits: 44-120 %</i> | | <i>1</i> | <i>10/01/24 15:56</i> | <i>EPA 8270E</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | | <i>66 %</i> | | <i>44-120 %</i> | | <i>1</i> | <i>10/01/24 15:56</i> | <i>EPA 8270E</i> |
| <i>Phenol-d6 (Surr)</i> | | <i>20 %</i> | | <i>10-133 %</i> | | <i>1</i> | <i>10/01/24 15:56</i> | <i>EPA 8270E</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>64 %</i> | | <i>50-134 %</i> | | <i>1</i> | <i>10/01/24 15:56</i> | <i>EPA 8270E</i> |
| <i>2-Fluorophenol (Surr)</i> | | <i>29 %</i> | | <i>19-120 %</i> | | <i>1</i> | <i>10/01/24 15:56</i> | <i>EPA 8270E</i> |
| <i>2,4,6-Tribromophenol (Surr)</i> | | <i>104 %</i> | | <i>43-140 %</i> | | <i>1</i> | <i>10/01/24 15:56</i> | <i>EPA 8270E</i> |
| W-13I-GW-0924 (A4I1618-06) | | | | Matrix: Water | | Batch: 24J0040 | | |
| 2-Chlorophenol | ND | 1.96 | 3.92 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | |
| 4-Chloro-3-methylphenol | ND | 3.92 | 7.84 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | |
| 2,4-Dichlorophenol | ND | 1.96 | 3.92 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | |
| 2,4-Dimethylphenol | ND | 9.80 | 19.6 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | |
| 2,4-Dinitrophenol | ND | 9.80 | 19.6 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | |
| 4,6-Dinitro-2-methylphenol | ND | 9.80 | 19.6 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | |

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes | |
|--|---------------|-----------------------|----------------------|-------------------------|----------|-----------------------|-----------------------|------------------|-------------|
| W-131-GW-0924 (A4I1618-06) | | | Matrix: Water | | | Batch: 24J0040 | | | |
| 2-Methylphenol | ND | 0.980 | 1.96 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | | |
| 3+4-Methylphenol(s) | ND | 0.980 | 1.96 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | | |
| 2-Nitrophenol | ND | 3.92 | 7.84 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | | |
| 4-Nitrophenol | ND | 3.92 | 7.84 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | | |
| Pentachlorophenol (PCP) | 285 | 3.92 | 7.84 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | | |
| Phenol | ND | 7.84 | 15.7 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | | |
| 2,3,4,6-Tetrachlorophenol | 8.59 | 1.96 | 3.92 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | | |
| 2,3,5,6-Tetrachlorophenol | 7.44 | 1.96 | 3.92 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | | |
| 2,4,5-Trichlorophenol | ND | 1.96 | 3.92 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | | |
| 2,4,6-Trichlorophenol | ND | 1.96 | 3.92 | ug/L | 40 | 10/02/24 13:40 | EPA 8270E | | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 70 %</i> | | <i>Limits: 44-120 %</i> | | <i>40</i> | <i>10/02/24 13:40</i> | <i>EPA 8270E</i> | <i>S-05</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | | <i>79 %</i> | | <i>44-120 %</i> | | <i>40</i> | <i>10/02/24 13:40</i> | <i>EPA 8270E</i> | <i>S-05</i> |
| <i>Phenol-d6 (Surr)</i> | | <i>16 %</i> | | <i>10-133 %</i> | | <i>40</i> | <i>10/02/24 13:40</i> | <i>EPA 8270E</i> | <i>S-05</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>83 %</i> | | <i>50-134 %</i> | | <i>40</i> | <i>10/02/24 13:40</i> | <i>EPA 8270E</i> | <i>S-05</i> |
| <i>2-Fluorophenol (Surr)</i> | | <i>34 %</i> | | <i>19-120 %</i> | | <i>40</i> | <i>10/02/24 13:40</i> | <i>EPA 8270E</i> | <i>S-05</i> |
| <i>2,4,6-Tribromophenol (Surr)</i> | | <i>104 %</i> | | <i>43-140 %</i> | | <i>40</i> | <i>10/02/24 13:40</i> | <i>EPA 8270E</i> | <i>S-05</i> |
| W-201-GW-0924 (A4I1618-07) | | | Matrix: Water | | | Batch: 24J0040 | | | |
| 2-Chlorophenol | ND | 1.94 | 3.88 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| 4-Chloro-3-methylphenol | ND | 3.88 | 7.77 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| 2,4-Dichlorophenol | ND | 1.94 | 3.88 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| 2,4-Dimethylphenol | ND | 9.71 | 19.4 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| 2,4-Dinitrophenol | ND | 9.71 | 19.4 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| 4,6-Dinitro-2-methylphenol | ND | 9.71 | 19.4 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| 2-Methylphenol | ND | 0.971 | 1.94 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| 3+4-Methylphenol(s) | ND | 0.971 | 1.94 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| 2-Nitrophenol | ND | 3.88 | 7.77 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| 4-Nitrophenol | ND | 3.88 | 7.77 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| Pentachlorophenol (PCP) | 11.7 | 3.88 | 7.77 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| Phenol | ND | 7.77 | 15.5 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| 2,3,4,6-Tetrachlorophenol | ND | 1.94 | 3.88 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| 2,3,5,6-Tetrachlorophenol | ND | 1.94 | 3.88 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| 2,4,5-Trichlorophenol | ND | 1.94 | 3.88 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |
| 2,4,6-Trichlorophenol | ND | 1.94 | 3.88 | ug/L | 40 | 10/02/24 14:14 | EPA 8270E | | |

Apex Laboratories

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes | | |
|--|---------------|-----------------------|-----------------|-------------------------|----------|-----------------------|----------------|----------------|-----------|------|
| W-20I-GW-0924 (A4I1618-07) | | | | Matrix: Water | | Batch: 24J0040 | | | | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 75 %</i> | | <i>Limits: 44-120 %</i> | | 40 | 10/02/24 14:14 | EPA 8270E | S-05 | |
| <i>2-Fluorobiphenyl (Surr)</i> | | | | 74 % | | 44-120 % | 40 | 10/02/24 14:14 | EPA 8270E | S-05 |
| <i>Phenol-d6 (Surr)</i> | | | | 16 % | | 10-133 % | 40 | 10/02/24 14:14 | EPA 8270E | S-05 |
| <i>p-Terphenyl-d14 (Surr)</i> | | | | 89 % | | 50-134 % | 40 | 10/02/24 14:14 | EPA 8270E | S-05 |
| <i>2-Fluorophenol (Surr)</i> | | | | 32 % | | 19-120 % | 40 | 10/02/24 14:14 | EPA 8270E | S-05 |
| <i>2,4,6-Tribromophenol (Surr)</i> | | | | 78 % | | 43-140 % | 40 | 10/02/24 14:14 | EPA 8270E | S-05 |
| W-DUP-GW-0924 (A4I1618-08) | | | | Matrix: Water | | Batch: 24J0040 | | | | |
| 2-Chlorophenol | ND | 1.96 | 3.92 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| 4-Chloro-3-methylphenol | ND | 3.92 | 7.84 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| 2,4-Dichlorophenol | ND | 1.96 | 3.92 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| 2,4-Dimethylphenol | ND | 9.80 | 19.6 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| 2,4-Dinitrophenol | ND | 9.80 | 19.6 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| 4,6-Dinitro-2-methylphenol | ND | 9.80 | 19.6 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| 2-Methylphenol | ND | 0.980 | 1.96 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| 3+4-Methylphenol(s) | ND | 0.980 | 1.96 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| 2-Nitrophenol | ND | 3.92 | 7.84 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| 4-Nitrophenol | ND | 3.92 | 7.84 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| Pentachlorophenol (PCP) | 18.9 | 3.92 | 7.84 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| Phenol | ND | 7.84 | 15.7 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| 2,3,4,6-Tetrachlorophenol | ND | 1.96 | 3.92 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| 2,3,5,6-Tetrachlorophenol | ND | 1.96 | 3.92 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| 2,4,5-Trichlorophenol | ND | 1.96 | 3.92 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| 2,4,6-Trichlorophenol | ND | 1.96 | 3.92 | ug/L | 40 | 10/02/24 14:48 | EPA 8270E | | | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 76 %</i> | | <i>Limits: 44-120 %</i> | | 40 | 10/02/24 14:48 | EPA 8270E | S-05 | |
| <i>2-Fluorobiphenyl (Surr)</i> | | | | 80 % | | 44-120 % | 40 | 10/02/24 14:48 | EPA 8270E | S-05 |
| <i>Phenol-d6 (Surr)</i> | | | | 17 % | | 10-133 % | 40 | 10/02/24 14:48 | EPA 8270E | S-05 |
| <i>p-Terphenyl-d14 (Surr)</i> | | | | 85 % | | 50-134 % | 40 | 10/02/24 14:48 | EPA 8270E | S-05 |
| <i>2-Fluorophenol (Surr)</i> | | | | 31 % | | 19-120 % | 40 | 10/02/24 14:48 | EPA 8270E | S-05 |
| <i>2,4,6-Tribromophenol (Surr)</i> | | | | 71 % | | 43-140 % | 40 | 10/02/24 14:48 | EPA 8270E | S-05 |
| W-7S-GW-0924 (A4I1618-09) | | | | Matrix: Water | | Batch: 24J0040 | | | | |
| 2-Chlorophenol | ND | 11.1 | 22.2 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | | | |
| 4-Chloro-3-methylphenol | ND | 22.2 | 44.4 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | | | |
| 2,4-Dichlorophenol | ND | 11.1 | 22.2 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | | | |

Apex Laboratories

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|---------------------------------------|---|--------------------------------|
| Maul Foster & Alongi, INC. | Project: JH Baxter GW Sampling | |
| 3140 NE Broadway Street | Project Number: M0461.03.007 | Report ID: |
| Portland, OR 97232 | Project Manager: David Weatherby | A4I1618 - 11 19 24 1451 |

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------------|----------------------|-------------------------|------------|-----------------------|------------------|-------------|
| W-7S-GW-0924 (A4I1618-09) | | | Matrix: Water | | | Batch: 24J0040 | | |
| 2,4-Dimethylphenol | ND | 55.6 | 111 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | |
| 2,4-Dinitrophenol | ND | 55.6 | 111 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | |
| 4,6-Dinitro-2-methylphenol | ND | 55.6 | 111 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | |
| 2-Methylphenol | ND | 5.56 | 11.1 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | |
| 3+4-Methylphenol(s) | ND | 5.56 | 11.1 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | |
| 2-Nitrophenol | ND | 22.2 | 44.4 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | |
| 4-Nitrophenol | ND | 22.2 | 44.4 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | |
| Pentachlorophenol (PCP) | 218 | 22.2 | 44.4 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | |
| Phenol | ND | 44.4 | 88.9 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | |
| 2,3,4,6-Tetrachlorophenol | 13.0 | 11.1 | 22.2 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | J |
| 2,3,5,6-Tetrachlorophenol | ND | 11.1 | 22.2 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | |
| 2,4,5-Trichlorophenol | ND | 11.1 | 22.2 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | |
| 2,4,6-Trichlorophenol | ND | 11.1 | 22.2 | ug/L | 200 | 10/02/24 15:19 | EPA 8270E | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 46 %</i> | | <i>Limits: 44-120 %</i> | <i>200</i> | <i>10/02/24 15:19</i> | <i>EPA 8270E</i> | <i>S-05</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | | <i>66 %</i> | | <i>44-120 %</i> | <i>200</i> | <i>10/02/24 15:19</i> | <i>EPA 8270E</i> | <i>S-05</i> |
| <i>Phenol-d6 (Surr)</i> | | <i>13 %</i> | | <i>10-133 %</i> | <i>200</i> | <i>10/02/24 15:19</i> | <i>EPA 8270E</i> | <i>S-05</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>75 %</i> | | <i>50-134 %</i> | <i>200</i> | <i>10/02/24 15:19</i> | <i>EPA 8270E</i> | <i>S-05</i> |
| <i>2-Fluorophenol (Surr)</i> | | <i>22 %</i> | | <i>19-120 %</i> | <i>200</i> | <i>10/02/24 15:19</i> | <i>EPA 8270E</i> | <i>S-05</i> |
| <i>2,4,6-Tribromophenol (Surr)</i> | | <i>70 %</i> | | <i>43-140 %</i> | <i>200</i> | <i>10/02/24 15:19</i> | <i>EPA 8270E</i> | <i>S-05</i> |

| | | | | | | | | |
|-------------------------------------|--------------|--------|----------------------|------|---|-----------------------|-----------|----------|
| W-26-GW-0924 (A4I1618-10RE1) | | | Matrix: Water | | | Batch: 24J0040 | | |
| 2-Chlorophenol | ND | 0.0526 | 0.105 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |
| 4-Chloro-3-methylphenol | ND | 0.105 | 0.211 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |
| 2,4-Dichlorophenol | ND | 0.0526 | 0.105 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |
| 2,4-Dimethylphenol | ND | 0.263 | 0.526 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |
| 2,4-Dinitrophenol | ND | 0.263 | 0.526 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |
| 4,6-Dinitro-2-methylphenol | ND | 0.263 | 0.526 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |
| 2-Methylphenol | ND | 0.0263 | 0.0526 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |
| 3+4-Methylphenol(s) | ND | 0.0263 | 0.0526 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |
| 2-Nitrophenol | ND | 0.105 | 0.211 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |
| 4-Nitrophenol | ND | 0.105 | 0.211 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |
| Pentachlorophenol (PCP) | 0.149 | 0.105 | 0.211 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | J |
| Phenol | ND | 0.211 | 0.421 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |
| 2,3,4,6-Tetrachlorophenol | ND | 0.0526 | 0.105 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------------|----------------------|-------------------------|----------|-----------------------|-----------------------|------------------|
| W-26-GW-0924 (A4I1618-10RE1) | | | Matrix: Water | | | Batch: 24J0040 | | |
| 2,3,5,6-Tetrachlorophenol | ND | 0.0526 | 0.105 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |
| 2,4,5-Trichlorophenol | ND | 0.0526 | 0.105 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |
| 2,4,6-Trichlorophenol | ND | 0.0526 | 0.105 | ug/L | 1 | 10/02/24 21:30 | EPA 8270E | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 60 %</i> | | <i>Limits: 44-120 %</i> | | <i>1</i> | <i>10/02/24 21:30</i> | <i>EPA 8270E</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | | <i>61 %</i> | | <i>44-120 %</i> | | <i>1</i> | <i>10/02/24 21:30</i> | <i>EPA 8270E</i> |
| <i>Phenol-d6 (Surr)</i> | | <i>17 %</i> | | <i>10-133 %</i> | | <i>1</i> | <i>10/02/24 21:30</i> | <i>EPA 8270E</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>66 %</i> | | <i>50-134 %</i> | | <i>1</i> | <i>10/02/24 21:30</i> | <i>EPA 8270E</i> |
| <i>2-Fluorophenol (Surr)</i> | | <i>29 %</i> | | <i>19-120 %</i> | | <i>1</i> | <i>10/02/24 21:30</i> | <i>EPA 8270E</i> |
| <i>2,4,6-Tribromophenol (Surr)</i> | | <i>113 %</i> | | <i>43-140 %</i> | | <i>1</i> | <i>10/02/24 21:30</i> | <i>EPA 8270E</i> |
| W-25-GW-0924 (A4I1618-11) | | | Matrix: Water | | | Batch: 24J0040 | | |
| 2-Chlorophenol | ND | 0.0510 | 0.102 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| 4-Chloro-3-methylphenol | ND | 0.102 | 0.204 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| 2,4-Dichlorophenol | ND | 0.0510 | 0.102 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| 2,4-Dimethylphenol | ND | 0.255 | 0.510 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| 2,4-Dinitrophenol | ND | 0.255 | 0.510 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| 4,6-Dinitro-2-methylphenol | ND | 0.255 | 0.510 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| 2-Methylphenol | ND | 0.0255 | 0.0510 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| 3+4-Methylphenol(s) | ND | 0.0255 | 0.0510 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| 2-Nitrophenol | ND | 0.102 | 0.204 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| 4-Nitrophenol | ND | 0.102 | 0.204 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| Pentachlorophenol (PCP) | 0.104 | 0.102 | 0.204 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | J |
| Phenol | ND | 0.204 | 0.408 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| 2,3,4,6-Tetrachlorophenol | ND | 0.0510 | 0.102 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| 2,3,5,6-Tetrachlorophenol | ND | 0.0510 | 0.102 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| 2,4,5-Trichlorophenol | ND | 0.0510 | 0.102 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| 2,4,6-Trichlorophenol | ND | 0.0510 | 0.102 | ug/L | 1 | 10/02/24 16:27 | EPA 8270E | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 59 %</i> | | <i>Limits: 44-120 %</i> | | <i>1</i> | <i>10/02/24 16:27</i> | <i>EPA 8270E</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | | <i>58 %</i> | | <i>44-120 %</i> | | <i>1</i> | <i>10/02/24 16:27</i> | <i>EPA 8270E</i> |
| <i>Phenol-d6 (Surr)</i> | | <i>15 %</i> | | <i>10-133 %</i> | | <i>1</i> | <i>10/02/24 16:27</i> | <i>EPA 8270E</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>70 %</i> | | <i>50-134 %</i> | | <i>1</i> | <i>10/02/24 16:27</i> | <i>EPA 8270E</i> |
| <i>2-Fluorophenol (Surr)</i> | | <i>29 %</i> | | <i>19-120 %</i> | | <i>1</i> | <i>10/02/24 16:27</i> | <i>EPA 8270E</i> |
| <i>2,4,6-Tribromophenol (Surr)</i> | | <i>102 %</i> | | <i>43-140 %</i> | | <i>1</i> | <i>10/02/24 16:27</i> | <i>EPA 8270E</i> |
| W-17AI-GW-0924 (A4I1618-12) | | | Matrix: Water | | | Batch: 24J0040 | | |

Apex Laboratories

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------------|----------------------|-------------------------|----------|-----------------------|-----------------------|------------------|
| W-17AI-GW-0924 (A4I1618-12) | | | Matrix: Water | | | Batch: 24J0040 | | |
| 2-Chlorophenol | ND | 0.0490 | 0.0980 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| 4-Chloro-3-methylphenol | ND | 0.0980 | 0.196 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| 2,4-Dichlorophenol | ND | 0.0490 | 0.0980 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| 2,4-Dimethylphenol | ND | 0.245 | 0.490 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| 2,4-Dinitrophenol | ND | 0.245 | 0.490 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| 4,6-Dinitro-2-methylphenol | ND | 0.245 | 0.490 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| 2-Methylphenol | ND | 0.0245 | 0.0490 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| 3+4-Methylphenol(s) | ND | 0.0245 | 0.0490 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| 2-Nitrophenol | ND | 0.0980 | 0.196 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| 4-Nitrophenol | ND | 0.0980 | 0.196 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| Pentachlorophenol (PCP) | ND | 0.0980 | 0.196 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| Phenol | ND | 0.196 | 0.392 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| 2,3,4,6-Tetrachlorophenol | ND | 0.0490 | 0.0980 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| 2,3,5,6-Tetrachlorophenol | ND | 0.0490 | 0.0980 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| 2,4,5-Trichlorophenol | ND | 0.0490 | 0.0980 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| 2,4,6-Trichlorophenol | ND | 0.0490 | 0.0980 | ug/L | 1 | 10/02/24 17:01 | EPA 8270E | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 63 %</i> | | <i>Limits: 44-120 %</i> | | <i>1</i> | <i>10/02/24 17:01</i> | <i>EPA 8270E</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | | <i>63 %</i> | | <i>44-120 %</i> | | <i>1</i> | <i>10/02/24 17:01</i> | <i>EPA 8270E</i> |
| <i>Phenol-d6 (Surr)</i> | | <i>15 %</i> | | <i>10-133 %</i> | | <i>1</i> | <i>10/02/24 17:01</i> | <i>EPA 8270E</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>67 %</i> | | <i>50-134 %</i> | | <i>1</i> | <i>10/02/24 17:01</i> | <i>EPA 8270E</i> |
| <i>2-Fluorophenol (Surr)</i> | | <i>28 %</i> | | <i>19-120 %</i> | | <i>1</i> | <i>10/02/24 17:01</i> | <i>EPA 8270E</i> |
| <i>2,4,6-Tribromophenol (Surr)</i> | | <i>97 %</i> | | <i>43-140 %</i> | | <i>1</i> | <i>10/02/24 17:01</i> | <i>EPA 8270E</i> |
| W-17AS-GW-0924 (A4I1618-13) | | | Matrix: Water | | | Batch: 24J0040 | | |
| 2-Chlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| 4-Chloro-3-methylphenol | ND | 0.100 | 0.200 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| 2,4-Dichlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| 2,4-Dimethylphenol | ND | 0.250 | 0.500 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| 2,4-Dinitrophenol | ND | 0.250 | 0.500 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| 4,6-Dinitro-2-methylphenol | ND | 0.250 | 0.500 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| 2-Methylphenol | ND | 0.0250 | 0.0500 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| 3+4-Methylphenol(s) | ND | 0.0250 | 0.0500 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| 2-Nitrophenol | ND | 0.100 | 0.200 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| 4-Nitrophenol | ND | 0.100 | 0.200 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |

Apex Laboratories

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------------|----------------------|-------------------------|----------|-----------------------|-----------------------|------------------|
| W-17AS-GW-0924 (A4I1618-13) | | | Matrix: Water | | | Batch: 24J0040 | | |
| Pentachlorophenol (PCP) | ND | 0.100 | 0.200 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| Phenol | ND | 0.200 | 0.400 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| 2,3,4,6-Tetrachlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| 2,3,5,6-Tetrachlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| 2,4,5-Trichlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| 2,4,6-Trichlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 17:35 | EPA 8270E | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 60 %</i> | | <i>Limits: 44-120 %</i> | | <i>1</i> | <i>10/02/24 17:35</i> | <i>EPA 8270E</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | | <i>55 %</i> | | <i>44-120 %</i> | | <i>1</i> | <i>10/02/24 17:35</i> | <i>EPA 8270E</i> |
| <i>Phenol-d6 (Surr)</i> | | <i>15 %</i> | | <i>10-133 %</i> | | <i>1</i> | <i>10/02/24 17:35</i> | <i>EPA 8270E</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>75 %</i> | | <i>50-134 %</i> | | <i>1</i> | <i>10/02/24 17:35</i> | <i>EPA 8270E</i> |
| <i>2-Fluorophenol (Surr)</i> | | <i>25 %</i> | | <i>19-120 %</i> | | <i>1</i> | <i>10/02/24 17:35</i> | <i>EPA 8270E</i> |
| <i>2,4,6-Tribromophenol (Surr)</i> | | <i>91 %</i> | | <i>43-140 %</i> | | <i>1</i> | <i>10/02/24 17:35</i> | <i>EPA 8270E</i> |
| W-24-GW-0924 (A4I1618-14RE1) | | | Matrix: Water | | | Batch: 24J0040 | | |
| 2-Chlorophenol | ND | 0.0490 | 0.0980 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| 4-Chloro-3-methylphenol | ND | 0.0980 | 0.196 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| 2,4-Dichlorophenol | ND | 0.0490 | 0.0980 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| 2,4-Dimethylphenol | ND | 0.245 | 0.490 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| 2,4-Dinitrophenol | ND | 0.245 | 0.490 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| 4,6-Dinitro-2-methylphenol | ND | 0.245 | 0.490 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| 2-Methylphenol | ND | 0.0245 | 0.0490 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| 3+4-Methylphenol(s) | ND | 0.0245 | 0.0490 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| 2-Nitrophenol | ND | 0.0980 | 0.196 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| 4-Nitrophenol | ND | 0.0980 | 0.196 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| Pentachlorophenol (PCP) | 0.141 | 0.0980 | 0.196 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | J |
| Phenol | ND | 0.196 | 0.392 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| 2,3,4,6-Tetrachlorophenol | ND | 0.0490 | 0.0980 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| 2,3,5,6-Tetrachlorophenol | ND | 0.0490 | 0.0980 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| 2,4,5-Trichlorophenol | ND | 0.0490 | 0.0980 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| 2,4,6-Trichlorophenol | ND | 0.0490 | 0.0980 | ug/L | 1 | 10/03/24 12:00 | EPA 8270E | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 70 %</i> | | <i>Limits: 44-120 %</i> | | <i>1</i> | <i>10/03/24 12:00</i> | <i>EPA 8270E</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | | <i>65 %</i> | | <i>44-120 %</i> | | <i>1</i> | <i>10/03/24 12:00</i> | <i>EPA 8270E</i> |
| <i>Phenol-d6 (Surr)</i> | | <i>19 %</i> | | <i>10-133 %</i> | | <i>1</i> | <i>10/03/24 12:00</i> | <i>EPA 8270E</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>65 %</i> | | <i>50-134 %</i> | | <i>1</i> | <i>10/03/24 12:00</i> | <i>EPA 8270E</i> |

Apex Laboratories

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------------|----------------------|-------------------------|----------|-----------------------|-----------------------|------------------|
| | | | Matrix: Water | | | Batch: 24J0040 | | |
| <i>Surrogate: 2-Fluorophenol (Surr)</i> | | <i>Recovery: 32 %</i> | | <i>Limits: 19-120 %</i> | | <i>1</i> | <i>10/03/24 12:00</i> | <i>EPA 8270E</i> |
| <i>2,4,6-Tribromophenol (Surr)</i> | | <i>117 %</i> | | <i>43-140 %</i> | | <i>1</i> | <i>10/03/24 12:00</i> | <i>EPA 8270E</i> |
| | | | Matrix: Water | | | Batch: 24J0040 | | |
| 2-Chlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 18:43 | EPA 8270E | |
| 4-Chloro-3-methylphenol | ND | 0.100 | 0.200 | ug/L | 1 | 10/02/24 18:43 | EPA 8270E | |
| 2,4-Dichlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 18:43 | EPA 8270E | |
| 2,4-Dimethylphenol | ND | 0.250 | 0.500 | ug/L | 1 | 10/02/24 18:43 | EPA 8270E | |
| 2,4-Dinitrophenol | ND | 0.250 | 0.500 | ug/L | 1 | 10/02/24 18:43 | EPA 8270E | |
| 4,6-Dinitro-2-methylphenol | ND | 0.250 | 0.500 | ug/L | 1 | 10/02/24 18:43 | EPA 8270E | |
| 2-Methylphenol | ND | 0.0250 | 0.0500 | ug/L | 1 | 10/02/24 18:43 | EPA 8270E | |
| 3+4-Methylphenol(s) | ND | 0.0250 | 0.0500 | ug/L | 1 | 10/02/24 18:43 | EPA 8270E | |
| 2-Nitrophenol | ND | 0.100 | 0.200 | ug/L | 1 | 10/02/24 18:43 | EPA 8270E | |
| 4-Nitrophenol | ND | 0.100 | 0.200 | ug/L | 1 | 10/02/24 18:43 | EPA 8270E | |
| Phenol | ND | 0.200 | 0.400 | ug/L | 1 | 10/02/24 18:43 | EPA 8270E | |
| 2,3,5,6-Tetrachlorophenol | 7.65 | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 18:43 | EPA 8270E | |
| 2,4,5-Trichlorophenol | 0.0958 | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 18:43 | EPA 8270E | J |
| 2,4,6-Trichlorophenol | 0.0558 | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 18:43 | EPA 8270E | J |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 81 %</i> | | <i>Limits: 44-120 %</i> | | <i>1</i> | <i>10/02/24 18:43</i> | <i>EPA 8270E</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | | <i>75 %</i> | | <i>44-120 %</i> | | <i>1</i> | <i>10/02/24 18:43</i> | <i>EPA 8270E</i> |
| <i>Phenol-d6 (Surr)</i> | | <i>21 %</i> | | <i>10-133 %</i> | | <i>1</i> | <i>10/02/24 18:43</i> | <i>EPA 8270E</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>69 %</i> | | <i>50-134 %</i> | | <i>1</i> | <i>10/02/24 18:43</i> | <i>EPA 8270E</i> |
| <i>2-Fluorophenol (Surr)</i> | | <i>37 %</i> | | <i>19-120 %</i> | | <i>1</i> | <i>10/02/24 18:43</i> | <i>EPA 8270E</i> |
| <i>2,4,6-Tribromophenol (Surr)</i> | | <i>137 %</i> | | <i>43-140 %</i> | | <i>1</i> | <i>10/02/24 18:43</i> | <i>EPA 8270E</i> |
| | | | Matrix: Water | | | Batch: 24J0040 | | |
| Pentachlorophenol (PCP) | 231 | 5.00 | 10.0 | ug/L | 50 | 10/03/24 11:26 | EPA 8270E | |
| 2,3,4,6-Tetrachlorophenol | 7.25 | 2.50 | 5.00 | ug/L | 50 | 10/03/24 11:26 | EPA 8270E | |
| | | | Matrix: Water | | | Batch: 24J0040 | | |
| 2-Chlorophenol | ND | 0.0481 | 0.0962 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | |
| 4-Chloro-3-methylphenol | ND | 0.0962 | 0.192 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | |
| 2,4-Dichlorophenol | ND | 0.0481 | 0.0962 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | |
| 2,4-Dimethylphenol | ND | 0.240 | 0.481 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | |
| 2,4-Dinitrophenol | ND | 0.240 | 0.481 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | |

Apex Laboratories

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------------|----------------------|-------------------------|----------|-----------------------|-----------------------|------------------|
| W-6I-GW-0924 (A4I1618-16RE1) | | | Matrix: Water | | | Batch: 24J0040 | | |
| 4,6-Dinitro-2-methylphenol | ND | 0.240 | 0.481 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | |
| 2-Methylphenol | ND | 0.0240 | 0.0481 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | |
| 3+4-Methylphenol(s) | ND | 0.0240 | 0.0481 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | |
| 2-Nitrophenol | ND | 0.0962 | 0.192 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | |
| 4-Nitrophenol | ND | 0.0962 | 0.192 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | |
| Pentachlorophenol (PCP) | 0.506 | 0.0962 | 0.192 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | |
| Phenol | ND | 0.192 | 0.385 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | |
| 2,3,4,6-Tetrachlorophenol | 0.0514 | 0.0481 | 0.0962 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | J |
| 2,3,5,6-Tetrachlorophenol | 0.0854 | 0.0481 | 0.0962 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | J |
| 2,4,5-Trichlorophenol | ND | 0.0481 | 0.0962 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | |
| 2,4,6-Trichlorophenol | ND | 0.0481 | 0.0962 | ug/L | 1 | 10/03/24 14:55 | EPA 8270E | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 71 %</i> | | <i>Limits: 44-120 %</i> | | <i>1</i> | <i>10/03/24 14:55</i> | <i>EPA 8270E</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | | <i>64 %</i> | | <i>44-120 %</i> | | <i>1</i> | <i>10/03/24 14:55</i> | <i>EPA 8270E</i> |
| <i>Phenol-d6 (Surr)</i> | | <i>17 %</i> | | <i>10-133 %</i> | | <i>1</i> | <i>10/03/24 14:55</i> | <i>EPA 8270E</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>63 %</i> | | <i>50-134 %</i> | | <i>1</i> | <i>10/03/24 14:55</i> | <i>EPA 8270E</i> |
| <i>2-Fluorophenol (Surr)</i> | | <i>32 %</i> | | <i>19-120 %</i> | | <i>1</i> | <i>10/03/24 14:55</i> | <i>EPA 8270E</i> |
| <i>2,4,6-Tribromophenol (Surr)</i> | | <i>102 %</i> | | <i>43-140 %</i> | | <i>1</i> | <i>10/03/24 14:55</i> | <i>EPA 8270E</i> |
| W-29-GW-0924 (A4I1618-17) | | | Matrix: Water | | | Batch: 24J0040 | | |
| 2-Chlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |
| 4-Chloro-3-methylphenol | ND | 0.100 | 0.200 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |
| 2,4-Dichlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |
| 2,4-Dimethylphenol | ND | 0.250 | 0.500 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |
| 2,4-Dinitrophenol | ND | 0.250 | 0.500 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |
| 4,6-Dinitro-2-methylphenol | ND | 0.250 | 0.500 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |
| 2-Methylphenol | ND | 0.0250 | 0.0500 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |
| 3+4-Methylphenol(s) | 0.106 | 0.0250 | 0.0500 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |
| 2-Nitrophenol | ND | 0.100 | 0.200 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |
| 4-Nitrophenol | ND | 0.100 | 0.200 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |
| Pentachlorophenol (PCP) | 0.102 | 0.100 | 0.200 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | J |
| Phenol | ND | 0.200 | 0.400 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |
| 2,3,4,6-Tetrachlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |
| 2,3,5,6-Tetrachlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |
| 2,4,5-Trichlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |

Apex Laboratories

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|------------------|----------------------|-------------|-------------------------|-----------------------|-----------------------|------------------|
| W-29-GW-0924 (A4I1618-17) | | | Matrix: Water | | | Batch: 24J0040 | | |
| 2,4,6-Trichlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | 10/02/24 19:50 | EPA 8270E | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery:</i> | | <i>55 %</i> | <i>Limits: 44-120 %</i> | <i>1</i> | <i>10/02/24 19:50</i> | <i>EPA 8270E</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | | | | <i>51 %</i> | <i>44-120 %</i> | <i>1</i> | <i>10/02/24 19:50</i> | <i>EPA 8270E</i> |
| <i>Phenol-d6 (Surr)</i> | | | | <i>15 %</i> | <i>10-133 %</i> | <i>1</i> | <i>10/02/24 19:50</i> | <i>EPA 8270E</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | | | <i>63 %</i> | <i>50-134 %</i> | <i>1</i> | <i>10/02/24 19:50</i> | <i>EPA 8270E</i> |
| <i>2-Fluorophenol (Surr)</i> | | | | <i>25 %</i> | <i>19-120 %</i> | <i>1</i> | <i>10/02/24 19:50</i> | <i>EPA 8270E</i> |
| <i>2,4,6-Tribromophenol (Surr)</i> | | | | <i>96 %</i> | <i>43-140 %</i> | <i>1</i> | <i>10/02/24 19:50</i> | <i>EPA 8270E</i> |
| W-32-GW-0924 (A4I1618-18RE1) | | | Matrix: Water | | | Batch: 24J0040 | | |
| 2-Chlorophenol | ND | 0.0526 | 0.105 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| 4-Chloro-3-methylphenol | ND | 0.105 | 0.211 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| 2,4-Dichlorophenol | ND | 0.0526 | 0.105 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| 2,4-Dimethylphenol | ND | 0.263 | 0.526 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| 2,4-Dinitrophenol | ND | 0.263 | 0.526 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| 4,6-Dinitro-2-methylphenol | ND | 0.263 | 0.526 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| 2-Methylphenol | ND | 0.0263 | 0.0526 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| 3+4-Methylphenol(s) | ND | 0.0263 | 0.0526 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| 2-Nitrophenol | ND | 0.105 | 0.211 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| 4-Nitrophenol | ND | 0.105 | 0.211 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| Pentachlorophenol (PCP) | ND | 0.105 | 0.211 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| Phenol | ND | 0.211 | 0.421 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| 2,3,4,6-Tetrachlorophenol | ND | 0.0526 | 0.105 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| 2,3,5,6-Tetrachlorophenol | ND | 0.0526 | 0.105 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| 2,4,5-Trichlorophenol | ND | 0.0526 | 0.105 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| 2,4,6-Trichlorophenol | ND | 0.0526 | 0.105 | ug/L | 1 | 10/03/24 15:28 | EPA 8270E | |
| <i>Surrogate: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery:</i> | | <i>49 %</i> | <i>Limits: 44-120 %</i> | <i>1</i> | <i>10/03/24 15:28</i> | <i>EPA 8270E</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | | | | <i>49 %</i> | <i>44-120 %</i> | <i>1</i> | <i>10/03/24 15:28</i> | <i>EPA 8270E</i> |
| <i>Phenol-d6 (Surr)</i> | | | | <i>13 %</i> | <i>10-133 %</i> | <i>1</i> | <i>10/03/24 15:28</i> | <i>EPA 8270E</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | | | <i>76 %</i> | <i>50-134 %</i> | <i>1</i> | <i>10/03/24 15:28</i> | <i>EPA 8270E</i> |
| <i>2-Fluorophenol (Surr)</i> | | | | <i>24 %</i> | <i>19-120 %</i> | <i>1</i> | <i>10/03/24 15:28</i> | <i>EPA 8270E</i> |
| <i>2,4,6-Tribromophenol (Surr)</i> | | | | <i>84 %</i> | <i>43-140 %</i> | <i>1</i> | <i>10/03/24 15:28</i> | <i>EPA 8270E</i> |

Apex Laboratories

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-----------------|-------|----------|--------------|---------------|-------|--------------|-----|-----------|-------|
|---------|--------|-----------------|-----------------|-------|----------|--------------|---------------|-------|--------------|-----|-----------|-------|

Batch 24I0962 - EPA 3510C (Acid Extraction) Water

Blank (24I0962-BLK2) Prepared: 09/30/24 10:37 Analyzed: 09/30/24 17:47

| <u>EPA 8270E</u> | | | | | | | | | | | | |
|--|----|--------|--------|------|---|-----|-----|-----|-----|-----|-----|-----|
| 2-Chlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 4-Chloro-3-methylphenol | ND | 0.100 | 0.200 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2,4-Dichlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2,4-Dimethylphenol | ND | 0.250 | 0.500 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2,4-Dinitrophenol | ND | 0.250 | 0.500 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 4,6-Dinitro-2-methylphenol | ND | 0.250 | 0.500 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2-Methylphenol | ND | 0.0250 | 0.0500 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 3+4-Methylphenol(s) | ND | 0.0250 | 0.0500 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2-Nitrophenol | ND | 0.100 | 0.200 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 4-Nitrophenol | ND | 0.100 | 0.200 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| Pentachlorophenol (PCP) | ND | 0.100 | 0.200 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| Phenol | ND | 0.200 | 0.400 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,6-Tetrachlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2,3,5,6-Tetrachlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2,4,5-Trichlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2,4,6-Trichlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| <i>Surr: Nitrobenzene-d5 (Surr) Recovery: 72 % Limits: 44-120 % Dilution: 1x</i> | | | | | | | | | | | | |
| <i>2-Fluorobiphenyl (Surr) 74 % 44-120 % "</i> | | | | | | | | | | | | |
| <i>Phenol-d6 (Surr) 25 % 10-133 % "</i> | | | | | | | | | | | | |
| <i>p-Terphenyl-d14 (Surr) 80 % 50-134 % "</i> | | | | | | | | | | | | |
| <i>2-Fluorophenol (Surr) 44 % 19-120 % "</i> | | | | | | | | | | | | |
| <i>2,4,6-Tribromophenol (Surr) 92 % 43-140 % "</i> | | | | | | | | | | | | |

LCS (24I0962-BS2) Prepared: 09/30/24 10:37 Analyzed: 09/30/24 18:21

| <u>EPA 8270E</u> | | | | | | | | | | | | |
|----------------------------|------|-------|-------|------|---|------|-----|----|---------|-----|-----|-----|
| 2-Chlorophenol | 2.84 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 71 | 38-120% | --- | --- | --- |
| 4-Chloro-3-methylphenol | 3.17 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 79 | 52-120% | --- | --- | --- |
| 2,4-Dichlorophenol | 3.49 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 87 | 47-121% | --- | --- | --- |
| 2,4-Dimethylphenol | 2.86 | 1.00 | 2.00 | ug/L | 4 | 4.00 | --- | 71 | 31-124% | --- | --- | --- |
| 2,4-Dinitrophenol | 3.22 | 1.00 | 2.00 | ug/L | 4 | 4.00 | --- | 81 | 23-143% | --- | --- | --- |
| 4,6-Dinitro-2-methylphenol | 3.51 | 1.00 | 2.00 | ug/L | 4 | 4.00 | --- | 88 | 44-137% | --- | --- | --- |
| 2-Methylphenol | 2.56 | 0.100 | 0.200 | ug/L | 4 | 4.00 | --- | 64 | 30-120% | --- | --- | --- |
| 3+4-Methylphenol(s) | 2.36 | 0.100 | 0.200 | ug/L | 4 | 4.00 | --- | 59 | 29-120% | --- | --- | --- |

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A411618 - 11 19 24 1451 |
|--|---|---|

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes | |
|--|--------|-----------------|--------------------------|------------------|----------|--------------------------|---------------|-------|--------------|-----|-----------|-------|-------------|
| Batch 2410962 - EPA 3510C (Acid Extraction) | | | | | | Water | | | | | | | |
| LCS (2410962-BS2) | | | Prepared: 09/30/24 10:37 | | | Analyzed: 09/30/24 18:21 | | | | | | | |
| 2-Nitrophenol | 3.10 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 78 | 47-123% | --- | --- | | |
| 4-Nitrophenol | 1.34 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 34 | 10-120% | --- | --- | | |
| Pentachlorophenol (PCP) | 2.93 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 73 | 35-138% | --- | --- | | |
| Phenol | 1.00 | 0.800 | 0.800 | ug/L | 4 | 4.00 | --- | 25 | 10-120% | --- | --- | | |
| 2,3,4,6-Tetrachlorophenol | 3.22 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 80 | 50-128% | --- | --- | | |
| 2,3,5,6-Tetrachlorophenol | 3.30 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 82 | 50-121% | --- | --- | | |
| 2,4,5-Trichlorophenol | 3.59 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 90 | 53-123% | --- | --- | | |
| 2,4,6-Trichlorophenol | 3.21 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 80 | 50-125% | --- | --- | | |
| <i>Surr: Nitrobenzene-d5 (Surr)</i> | | Recovery: 73 % | | Limits: 44-120 % | | Dilution: 4x | | | | | | | |
| <i>2-Fluorobiphenyl (Surr)</i> | | 86 % | | 44-120 % | | " | | | | | | | |
| <i>Phenol-d6 (Surr)</i> | | 26 % | | 10-133 % | | " | | | | | | | |
| <i>p-Terphenyl-d14 (Surr)</i> | | 94 % | | 50-134 % | | " | | | | | | | |
| <i>2-Fluorophenol (Surr)</i> | | 44 % | | 19-120 % | | " | | | | | | | |
| <i>2,4,6-Tribromophenol (Surr)</i> | | 102 % | | 43-140 % | | " | | | | | | | |
| LCS Dup (2410962-BSD2) | | | Prepared: 09/30/24 10:37 | | | Analyzed: 09/30/24 18:55 | | | | | | | Q-19 |
| EPA 8270E | | | | | | | | | | | | | |
| 2-Chlorophenol | 3.02 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 76 | 38-120% | 6 | 30% | | |
| 4-Chloro-3-methylphenol | 3.24 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 81 | 52-120% | 2 | 30% | | |
| 2,4-Dichlorophenol | 3.62 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 91 | 47-121% | 4 | 30% | | |
| 2,4-Dimethylphenol | 3.15 | 1.00 | 2.00 | ug/L | 4 | 4.00 | --- | 79 | 31-124% | 10 | 30% | | |
| 2,4-Dinitrophenol | 2.87 | 1.00 | 2.00 | ug/L | 4 | 4.00 | --- | 72 | 23-143% | 11 | 30% | | |
| 4,6-Dinitro-2-methylphenol | 3.22 | 1.00 | 2.00 | ug/L | 4 | 4.00 | --- | 80 | 44-137% | 9 | 30% | | |
| 2-Methylphenol | 2.89 | 0.100 | 0.200 | ug/L | 4 | 4.00 | --- | 72 | 30-120% | 12 | 30% | | |
| 3+4-Methylphenol(s) | 2.79 | 0.100 | 0.200 | ug/L | 4 | 4.00 | --- | 70 | 29-120% | 17 | 30% | | |
| 2-Nitrophenol | 3.06 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 77 | 47-123% | 1 | 30% | | |
| 4-Nitrophenol | 1.27 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 32 | 10-120% | 6 | 30% | | |
| Pentachlorophenol (PCP) | 2.85 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 71 | 35-138% | 3 | 30% | | |
| Phenol | 1.17 | 0.800 | 0.800 | ug/L | 4 | 4.00 | --- | 29 | 10-120% | 16 | 30% | | |
| 2,3,4,6-Tetrachlorophenol | 3.11 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 78 | 50-128% | 3 | 30% | | |
| 2,3,5,6-Tetrachlorophenol | 3.17 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 79 | 50-121% | 4 | 30% | | |
| 2,4,5-Trichlorophenol | 3.66 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 92 | 53-123% | 2 | 30% | | |
| 2,4,6-Trichlorophenol | 3.27 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 82 | 50-125% | 2 | 30% | | |
| <i>Surr: Nitrobenzene-d5 (Surr)</i> | | Recovery: 78 % | | Limits: 44-120 % | | Dilution: 4x | | | | | | | |

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Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------------|-------------------------|-------|---------------------|---|---------------|-------|--------------|-----|-----------|-------------|
| Batch 24I0962 - EPA 3510C (Acid Extraction) | | | | | | Water | | | | | | |
| LCS Dup (24I0962-BSD2) | | | | | | Prepared: 09/30/24 10:37 Analyzed: 09/30/24 18:55 | | | | | | Q-19 |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 84 %</i> | <i>Limits: 44-120 %</i> | | <i>Dilution: 4x</i> | | | | | | | |
| <i>Phenol-d6 (Surr)</i> | | <i>29 %</i> | <i>10-133 %</i> | | | | | | | | | |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>94 %</i> | <i>50-134 %</i> | | | | | | | | | |
| <i>2-Fluorophenol (Surr)</i> | | <i>45 %</i> | <i>19-120 %</i> | | | | | | | | | |
| <i>2,4,6-Tribromophenol (Surr)</i> | | <i>101 %</i> | <i>43-140 %</i> | | | | | | | | | |

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ORELAP ID: OR100062

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|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A4I1618 - 11 19 24 1451 |
|--|---|---|

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-----------------|-------|----------|--------------|---------------|-------|--------------|-----|-----------|-------|
|---------|--------|-----------------|-----------------|-------|----------|--------------|---------------|-------|--------------|-----|-----------|-------|

Batch 24J0040 - EPA 3510C (Acid Extraction) Water

Blank (24J0040-BLK1) Prepared: 10/01/24 13:07 Analyzed: 10/02/24 11:25

| <u>EPA 8270E</u> | | | | | | | | | | | | |
|-------------------------------------|----|-----------------------|-------------------------|------|---|---------------------|-----|-----|-----|-----|-----|-----|
| 2-Chlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 4-Chloro-3-methylphenol | ND | 0.100 | 0.200 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2,4-Dichlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2,4-Dimethylphenol | ND | 0.250 | 0.500 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2,4-Dinitrophenol | ND | 0.250 | 0.500 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 4,6-Dinitro-2-methylphenol | ND | 0.250 | 0.500 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2-Methylphenol | ND | 0.0250 | 0.0500 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 3+4-Methylphenol(s) | ND | 0.0250 | 0.0500 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2-Nitrophenol | ND | 0.100 | 0.200 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 4-Nitrophenol | ND | 0.100 | 0.200 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| Pentachlorophenol (PCP) | ND | 0.100 | 0.200 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| Phenol | ND | 0.200 | 0.400 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2,3,4,6-Tetrachlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2,3,5,6-Tetrachlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2,4,5-Trichlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| 2,4,6-Trichlorophenol | ND | 0.0500 | 0.100 | ug/L | 1 | --- | --- | --- | --- | --- | --- | --- |
| <i>Surr: Nitrobenzene-d5 (Surr)</i> | | <i>Recovery: 77 %</i> | <i>Limits: 44-120 %</i> | | | <i>Dilution: 1x</i> | | | | | | |
| <i>2-Fluorobiphenyl (Surr)</i> | | <i>71 %</i> | <i>44-120 %</i> | | | <i>"</i> | | | | | | |
| <i>Phenol-d6 (Surr)</i> | | <i>20 %</i> | <i>10-133 %</i> | | | <i>"</i> | | | | | | |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>79 %</i> | <i>50-134 %</i> | | | <i>"</i> | | | | | | |
| <i>2-Fluorophenol (Surr)</i> | | <i>38 %</i> | <i>19-120 %</i> | | | <i>"</i> | | | | | | |
| <i>2,4,6-Tribromophenol (Surr)</i> | | <i>87 %</i> | <i>43-140 %</i> | | | <i>"</i> | | | | | | |

LCS (24J0040-BS1) Prepared: 10/01/24 13:07 Analyzed: 10/02/24 11:59

| <u>EPA 8270E</u> | | | | | | | | | | | | |
|----------------------------|------|-------|-------|------|---|------|-----|----|---------|-----|-----|-----|
| 2-Chlorophenol | 3.08 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 77 | 38-120% | --- | --- | --- |
| 4-Chloro-3-methylphenol | 3.32 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 83 | 52-120% | --- | --- | --- |
| 2,4-Dichlorophenol | 3.86 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 97 | 47-121% | --- | --- | --- |
| 2,4-Dimethylphenol | 3.08 | 1.00 | 2.00 | ug/L | 4 | 4.00 | --- | 77 | 31-124% | --- | --- | --- |
| 2,4-Dinitrophenol | 2.64 | 1.00 | 2.00 | ug/L | 4 | 4.00 | --- | 66 | 23-143% | --- | --- | --- |
| 4,6-Dinitro-2-methylphenol | 3.42 | 1.00 | 2.00 | ug/L | 4 | 4.00 | --- | 85 | 44-137% | --- | --- | --- |
| 2-Methylphenol | 2.72 | 0.100 | 0.200 | ug/L | 4 | 4.00 | --- | 68 | 30-120% | --- | --- | --- |
| 3+4-Methylphenol(s) | 2.59 | 0.100 | 0.200 | ug/L | 4 | 4.00 | --- | 65 | 29-120% | --- | --- | --- |

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232 | Project: JH Baxter GW Sampling Project Number: M0461.03.007 Project Manager: David Weatherby | Report ID: A411618 - 11 19 24 1451 |
|--|---|---|

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-----------------|-------|----------|--------------|---------------|-------|--------------|-----|-----------|-------|
|---------|--------|-----------------|-----------------|-------|----------|--------------|---------------|-------|--------------|-----|-----------|-------|

Batch 24J0040 - EPA 3510C (Acid Extraction)

Water

LCS (24J0040-BS1)

Prepared: 10/01/24 13:07 Analyzed: 10/02/24 11:59

| | | | | | | | | | | | | |
|---------------------------|-------|-------|-------|------|---|------|-----|-----|---------|-----|-----|--|
| 2-Nitrophenol | 3.46 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 86 | 47-123% | --- | --- | |
| 4-Nitrophenol | 0.991 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 25 | 10-120% | --- | --- | |
| Pentachlorophenol (PCP) | 3.05 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 76 | 35-138% | --- | --- | |
| Phenol | 0.923 | 0.800 | 0.800 | ug/L | 4 | 4.00 | --- | 23 | 10-120% | --- | --- | |
| 2,3,4,6-Tetrachlorophenol | 3.46 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 86 | 50-128% | --- | --- | |
| 2,3,5,6-Tetrachlorophenol | 3.55 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 89 | 50-121% | --- | --- | |
| 2,4,5-Trichlorophenol | 4.21 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 105 | 53-123% | --- | --- | |
| 2,4,6-Trichlorophenol | 3.67 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 92 | 50-125% | --- | --- | |

| | | | |
|------------------------------|----------------|------------------|--------------|
| Surr: Nitrobenzene-d5 (Surr) | Recovery: 81 % | Limits: 44-120 % | Dilution: 4x |
| 2-Fluorobiphenyl (Surr) | 84 % | 44-120 % | " |
| Phenol-d6 (Surr) | 23 % | 10-133 % | " |
| p-Terphenyl-d14 (Surr) | 95 % | 50-134 % | " |
| 2-Fluorophenol (Surr) | 40 % | 19-120 % | " |
| 2,4,6-Tribromophenol (Surr) | 105 % | 43-140 % | " |

LCS Dup (24J0040-BSD1)

Prepared: 10/01/24 13:07 Analyzed: 10/02/24 12:33

Q-19

| EPA 8270E | | | | | | | | | | | | |
|----------------------------|--------|-----------------|-----------------|-------|----------|--------------|---------------|-------|--------------|-----|-----------|-------|
| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
| 2-Chlorophenol | 2.95 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 74 | 38-120% | 4 | 30% | |
| 4-Chloro-3-methylphenol | 3.24 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 81 | 52-120% | 2 | 30% | |
| 2,4-Dichlorophenol | 3.81 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 95 | 47-121% | 1 | 30% | |
| 2,4-Dimethylphenol | 2.88 | 1.00 | 2.00 | ug/L | 4 | 4.00 | --- | 72 | 31-124% | 7 | 30% | |
| 2,4-Dinitrophenol | 2.76 | 1.00 | 2.00 | ug/L | 4 | 4.00 | --- | 69 | 23-143% | 4 | 30% | |
| 4,6-Dinitro-2-methylphenol | 3.43 | 1.00 | 2.00 | ug/L | 4 | 4.00 | --- | 86 | 44-137% | 0.3 | 30% | |
| 2-Methylphenol | 2.52 | 0.100 | 0.200 | ug/L | 4 | 4.00 | --- | 63 | 30-120% | 8 | 30% | |
| 3+4-Methylphenol(s) | 2.34 | 0.100 | 0.200 | ug/L | 4 | 4.00 | --- | 59 | 29-120% | 10 | 30% | |
| 2-Nitrophenol | 3.40 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 85 | 47-123% | 2 | 30% | |
| 4-Nitrophenol | 1.04 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 26 | 10-120% | 5 | 30% | |
| Pentachlorophenol (PCP) | 3.10 | 0.400 | 0.800 | ug/L | 4 | 4.00 | --- | 78 | 35-138% | 2 | 30% | |
| Phenol | 0.873 | 0.800 | 0.800 | ug/L | 4 | 4.00 | --- | 22 | 10-120% | 6 | 30% | |
| 2,3,4,6-Tetrachlorophenol | 3.37 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 84 | 50-128% | 2 | 30% | |
| 2,3,5,6-Tetrachlorophenol | 3.37 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 84 | 50-121% | 5 | 30% | |
| 2,4,5-Trichlorophenol | 3.98 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 100 | 53-123% | 6 | 30% | |
| 2,4,6-Trichlorophenol | 3.49 | 0.200 | 0.400 | ug/L | 4 | 4.00 | --- | 87 | 50-125% | 5 | 30% | |

| | | | |
|------------------------------|----------------|------------------|--------------|
| Surr: Nitrobenzene-d5 (Surr) | Recovery: 79 % | Limits: 44-120 % | Dilution: 4x |
|------------------------------|----------------|------------------|--------------|

Apex Laboratories

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

| | | |
|--|---|---|
| <p><u>Maul Foster & Alongi, INC.</u> 3140 NE Broadway Street Portland, OR 97232</p> | <p>Project: <u>JH Baxter GW Sampling</u> Project Number: M0461.03.007 Project Manager: David Weatherby</p> | <p>Report ID: A4I1618 - 11 19 24 1451</p> |
|--|---|---|

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-----------------------|-------------------------|----------|---|---------------|-------|--------------|-----|-----------|-------------|
| Batch 24J0040 - EPA 3510C (Acid Extraction) | | | | | | Water | | | | | | |
| LCS Dup (24J0040-BSD1) | | | | | | Prepared: 10/01/24 13:07 Analyzed: 10/02/24 12:33 | | | | | | Q-19 |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i> | | | <i>Recovery: 83 %</i> | <i>Limits: 44-120 %</i> | | <i>Dilution: 4x</i> | | | | | | |
| <i>Phenol-d6 (Surr)</i> | | | 23 % | 10-133 % | | " | | | | | | |
| <i>p-Terphenyl-d14 (Surr)</i> | | | 95 % | 50-134 % | | " | | | | | | |
| <i>2-Fluorophenol (Surr)</i> | | | 41 % | 19-120 % | | " | | | | | | |
| <i>2,4,6-Tribromophenol (Surr)</i> | | | 105 % | 43-140 % | | " | | | | | | |

Apex Laboratories

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

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Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: JH Baxter GW Sampling

Project Number: M0461.03.007

Project Manager: David Weatherby

Report ID:

A4I1618 - 11 19 24 1451

SAMPLE PREPARATION INFORMATION

Selected Semivolatile Organic Compounds by EPA 8270E

Prep: EPA 3510C (Acid Extraction)

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|-----------------------|--------|-----------|----------------|----------------|----------------------|-----------------------|----------------|
| <u>Batch: 24I0962</u> | | | | | | | |
| A4I1618-01RE3 | Water | EPA 8270E | 09/25/24 16:13 | 09/30/24 10:37 | 990mL/1mL | 1000mL/1mL | 1.01 |
| A4I1618-02RE1 | Water | EPA 8270E | 09/25/24 16:35 | 09/30/24 10:37 | 1040mL/1mL | 1000mL/1mL | 0.96 |
| A4I1618-03RE1 | Water | EPA 8270E | 09/25/24 17:35 | 09/30/24 10:37 | 1010mL/1mL | 1000mL/1mL | 0.99 |
| A4I1618-04RE2 | Water | EPA 8270E | 09/25/24 17:40 | 09/30/24 10:37 | 1040mL/1mL | 1000mL/1mL | 0.96 |
| <u>Batch: 24J0040</u> | | | | | | | |
| A4I1618-06 | Water | EPA 8270E | 09/26/24 08:10 | 10/01/24 13:07 | 1020mL/1mL | 1000mL/1mL | 0.98 |
| A4I1618-07 | Water | EPA 8270E | 09/26/24 08:07 | 10/01/24 13:07 | 1030mL/1mL | 1000mL/1mL | 0.97 |
| A4I1618-08 | Water | EPA 8270E | 09/26/24 08:07 | 10/01/24 13:07 | 1020mL/1mL | 1000mL/1mL | 0.98 |
| A4I1618-09 | Water | EPA 8270E | 09/26/24 10:02 | 10/01/24 13:07 | 900mL/1mL | 1000mL/1mL | 1.11 |
| A4I1618-10RE1 | Water | EPA 8270E | 09/26/24 11:31 | 10/01/24 13:07 | 950mL/1mL | 1000mL/1mL | 1.05 |
| A4I1618-11 | Water | EPA 8270E | 09/26/24 13:55 | 10/01/24 13:07 | 980mL/1mL | 1000mL/1mL | 1.02 |
| A4I1618-12 | Water | EPA 8270E | 09/26/24 16:50 | 10/01/24 13:07 | 1020mL/1mL | 1000mL/1mL | 0.98 |
| A4I1618-13 | Water | EPA 8270E | 09/26/24 17:20 | 10/01/24 13:07 | 1000mL/1mL | 1000mL/1mL | 1.00 |
| A4I1618-14RE1 | Water | EPA 8270E | 09/26/24 16:10 | 10/01/24 13:07 | 1020mL/1mL | 1000mL/1mL | 0.98 |
| A4I1618-15 | Water | EPA 8270E | 09/26/24 08:12 | 10/01/24 13:07 | 1000mL/1mL | 1000mL/1mL | 1.00 |
| A4I1618-15RE1 | Water | EPA 8270E | 09/26/24 08:12 | 10/01/24 13:07 | 1000mL/1mL | 1000mL/1mL | 1.00 |
| A4I1618-16RE1 | Water | EPA 8270E | 09/26/24 09:25 | 10/01/24 13:07 | 1040mL/1mL | 1000mL/1mL | 0.96 |
| A4I1618-17 | Water | EPA 8270E | 09/26/24 11:25 | 10/01/24 13:07 | 1000mL/1mL | 1000mL/1mL | 1.00 |
| A4I1618-18RE1 | Water | EPA 8270E | 09/26/24 14:50 | 10/01/24 13:07 | 950mL/1mL | 1000mL/1mL | 1.05 |

Apex Laboratories

Philip Nerenberg

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Philip Nerenberg, Lab Director



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|---|--|---|

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

- AMEND** The Result, Reporting Level, Recovery and/or RPD has changed. Note: Batch QC marked as AMENDED may or may not have been issued prior to the change. Case Narrative included if client data is affected.
- J** Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified DL.
- Q-19** Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
- S-05** Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
- S-06** Surrogate recovery is outside of established control limits.

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

- DET Analyte DETECTED at or above the detection or reporting limit.
- ND Analyte NOT DETECTED at or above the detection or reporting limit.
- NR Result Not Reported
- RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Validated Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

- Basis: Results for soil samples are generally reported on a 100% dry weight basis. The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.
 - "dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.
 - "wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.
 - " " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.
- Results for Volatiles analyses on soils and sediments that are reported on a "dry weight" basis include the water miscible solvent (WMS) correction referenced in the EPA 8000 Method guidance documents. Solid and Liquid samples reported on an "As Received" basis do not have the WMS correction applied, as dry weight was not performed.

QC Source:

- In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.
- Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

- " --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- " *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Apex Laboratories

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REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to one half of the Reporting Limit (RL). Blank results for gravimetric analyses are evaluated to the Reporting Level, not to half of the Reporting Level.

- For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
- For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.

For further details, please request a copy of this document.

- Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level, if results are not reported to the MDL.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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|--|---|---|

Decanted Samples:

Soils/Sediments:

Unless TCLP analysis is required or there is notification otherwise for a specific project, all Soil and Sediments containing excess water are decanted prior to analysis in order to provide the most representative sample for analysis.

Water Samples:

Water samples containing solids and sediment may need to be decanted in order to eliminate these particulates from the water extractions. In the case of organics extractions, a solvent rinse of the container will not be performed.

Volatiles Soils (5035s)

Samples that are field preserved by 5035 for volatiles are dry weight corrected using the same dry weight correction as for normal analyses. In the case of decanted samples, the dry weight may be performed on a decanted sample, while the aliquot for 5035 may not have been treated the same way. If this is a concern, please submit separate containers for dry weight analysis for volatiles can be provided.

All samples decanted in the laboratory are noted in this report with the DCNT qualifier indicating the sample was decanted.

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Philip Nerenberg, Lab Director



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|--|---|---|

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) -
EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

| Matrix | Analysis | TNI_ID | Analyte | TNI_ID | Accreditation |
|--------|----------|--------|---------|--------|---------------|
|--------|----------|--------|---------|--------|---------------|

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation. Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Philip Nerenberg, Lab Director

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3140 NE Broadway Street
Portland, OR 97232

Project: JH Baxter GW Sampling
Project Number: M0461.03.007
Project Manager: David Weatherby

Report ID:
A411618 - 11 19 24 1451

Lab # A4FL08 COC 1 of 2

CHAIN OF CUSTODY

APEX LABS

6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

Form with fields for Company, Project Name, Project Mgr, Address, Date, Time, Matrix, # of Containers, Analysis Request (Priority Metals, RCRA Metals, etc.), TAT Requested, and Signatures.

Form 7-002 R-00

Apex Laboratories

Philip Nerenberg (signature)

Philip Nerenberg, Lab Director

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Project Number: M0461.03.007
Project Manager: David Weatherby

Report ID:
A411618 - 11 19 24 1451

CHAIN OF CUSTODY
APEX LABS
7000 SW Sandburg St., Tigard, OR 97223
Project Name: JH Baxter - 2H 24
Project #: M0461.03.007
Date: 9/26/24
Time: 10:02
Signature: Sean Meloney
Company: MFA
ANALYSIS REQUEST
Priority Metals (13)
RCP Metals (9)
8081 Pesticides
8082 PCBs
8270 Sem-Vols Full List
8270 SIM PAHs
8260 VOCs Full List
8260 Halo VOCs
8260 RBDM VOCs
8260 BTEX
NTPH-CX
NTPH-DX
NTPH-HCID
OF CONTAINERS
MATRIX
DATE
TIME
SAMPLE ID
State: OR
County: Eugene
SPECIAL INSTRUCTIONS:
RECEIVED BY:
RELINQUISHED BY:
Form Y-002 R-00

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Maul Foster & Alongi, INC. Project: JH Baxter GW Sampling
3140 NE Broadway Street Project Number: M0461.03.007
Portland, OR 97232 Project Manager: David Weatherby Report ID: A411618 - 11 19 24 1451

APEX LABS COOLER RECEIPT FORM

Client: Maul Foster & Alongi Element WO#: A4 I 1618

Project/Project #: JH Baxter 2H24 / M0461.03.007

Delivery Info:

Date/time received: 9/27/24 @ 12:13 By: JAM

Delivered by: Apex Client ESS FedEx UPS Radio Morgan SDS Evergreen Other

From USDA Regulated Origin? Yes No X

Cooler Inspection Date/time inspected: 9/27/24 @ 13:44 By: JAM

Chain of Custody included? Yes X No

Signed/dated by client? Yes X No

Contains USDA Reg. Soils? Yes No X Unsure (email RegSoils)

Table with 7 columns: Cooler #1 to Cooler #7. Rows include Temperature (°C), Custody seals? (Y/N), Received on ice? (Y/N), Temp. blanks? (Y/N), Ice type: (Gel/Real/Other), Condition (In/Out).

Cooler out of temp? (Y/N) Possible reason why:

Green dots applied to out of temperature samples? Yes No

Out of temperature samples form initiated? Yes No

Sample Inspection: Date/time inspected: 9/27/24 @ 1554 By: AAW

All samples intact? Yes X No Comments:

Bottle labels/COCs agree? Yes No X Comments: W-23-GW-0924 cont ID reads W-23I-GW-0924 W-18AI-GW-0924 cont ID reads 18A-I-GW-0924. No Ton W-75 1/2 W-26 1/2. (see form)

COC/container discrepancies form initiated? Yes X No

Containers/volumes received appropriate for analysis? Yes X No Comments: Missing 4 samples:

W-135-GW-0924, W6I-GW-0924, W-29-GW-0924, W-32-GW-0924

Do VOA vials have visible headspace? Yes No NA X

Comments:

Water samples: pH checked: Yes No NA X pH appropriate? Yes No NA X pH ID:

Comments:

Labeled by: AAW

Witness: ZA

Cooler Inspected by: AAW

Form Y-003 R-02

Philip Nerenberg (signature)



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Project Number: M0461.03.007
Project Manager: David Weatherby

Report ID:
A411618 - 11 19 24 1451

APEX LABS COOLER RECEIPT FORM

Client: MFA Element WO#: A4 111618

Project/Project #: JH Baxter 21 24 M0461.03.007

Delivery Info:

Date/time received: 9/27/14 @ 1749 By: AAW *Additional volume*

Delivered by: Apex Client [X] ESS [] FedEx [] UPS [] Radio [] Morgan [] SDS [] Evergreen [] Other []

From USDA Regulated Origin? Yes [] No [X]

Cooler Inspection Date/time inspected: 9/27/14 @ 1749 By: AAW

Chain of Custody included? Yes [X] No []

Signed/dated by client? Yes [X] No []

Contains USDA Reg. Soils? Yes [] No [X] Unsure (email RegSoils) []

Table with 7 columns: Cooler #1 to Cooler #7. Rows include Temperature (°C), Custody seals? (Y/N), Received on ice? (Y/N), Temp. blanks? (Y/N), Ice type: (Gel/Real/Other), Condition (In/Out).

Cooler out of temp? (Y/N) Possible reason why: []

Green dots applied to out of temperature samples? Yes/No []

Out of temperature samples form initiated? Yes/No []

Sample Inspection: Date/time inspected: 9/27/14 @ 1759 By: AAW

All samples intact? Yes [X] No [] Comments: []

Bottle labels/COCs agree? Yes [X] No [] Comments: []

COC/container discrepancies form initiated? Yes [] No [X]

Containers/volumes received appropriate for analysis? Yes [X] No [] Comments: []

Do VOA vials have visible headspace? Yes [] No [] NA [X]

Comments: []

Water samples: pH checked: Yes [] No [] NA [X] pH appropriate? Yes [] No [] NA [X] pH ID: []

Comments: []

Labeled by: AAW

Witness: [Signature]

Cooler Inspected by: AAW

Form Y-003 R-02

Apex Laboratories

Philip Nerenberg

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|--|---|---|

Anissa Kepa

A4I1618

From: Philip Nerenberg
Sent: Tuesday, November 12, 2024 3:08 PM
To: Anissa Kepa
Subject: Scan and attach

From: Fiona Bellows [mailto:fbellows@maulfoster.com]
Sent: Tuesday, November 12, 2024 10:42 AM
To: Philip Nerenberg
Subject: RE: Report A4I1618 Batch QC

CAUTION! THIS IS AN EXTERNAL EMAIL:
 This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

One more request for report A4I1618:

We found that we submitted an incorrect ID for one sample. Please revise the ID as follows (add an "I" as in "intermediate") and attach this email to the report for traceability:

| Lab ID | Current Client ID | Corrected Client ID |
|------------|-------------------|---------------------|
| A4I1618-02 | W-23-GW-0924 | W-23I-GW-0924 |

Thank you!

FIONA BELLOWS | MAUL FOSTER & ALONGI, INC.
 Project Chemist
 pronouns: she/her
 d: 206 556 2020



2815 2nd Avenue, Suite 540, Seattle WA 98121
www.maulfoster.com

Data Validation Memorandum

Project No. M0461.03.007 | November 20, 2024 | J.H. Baxter & Co.

Maul Foster & Alongi, Inc. (MFA), conducted an independent Stage 2A review of the quality of analytical results for groundwater and associated quality control samples collected on September 26, 2024, at the J.H. Baxter & Co. wood treating facility located at 85 Baxter Street, Eugene, Oregon.

Apex Laboratories, LLC (Apex), performed the analyses. MFA reviewed Apex report number A4I1618. The analysis performed and the samples analyzed are listed in the following tables. One sample on hold is indicated below.

| Analysis | Reference |
|----------|-----------|
| Phenols | EPA 8270E |

Note

EPA = U.S. Environmental Protection Agency.

| Samples Analyzed | | |
|-----------------------|----------------|----------------|
| Report A4I1618 | | |
| W-12I-GW-0924 | W-20I-GW-0924 | W-17AS-GW-0924 |
| W-23I-GW-0924 | W-DUP-GW-0924 | W-24-GW-0924 |
| W-11I-GW-0924 | W-7S-GW-0924 | W-13S-GW-0924 |
| W-11S-GW-0924 | W-26-GW-0924 | W-6I-GW-0924 |
| W-18AI-GW-0924 (hold) | W-25-GW-0924 | W-29-GW-0924 |
| W-13I-GW-0924 | W-17AI-GW-0924 | W-32-GW-0924 |

Data Validation Procedures

Analytical results were evaluated according to applicable sections of U.S. Environmental Protection Agency (EPA) guidelines for data review (EPA 2020) and appropriate laboratory- and method-specific guidelines (Apex 2023, EPA 1986).

Based on the data quality assurance/quality control review described herein, the data, with the appropriate final data qualifiers assigned, are considered acceptable for their intended use. Final data qualifiers represent qualifiers originating from the laboratory and accepted by the reviewer, and data qualifiers assigned by the reviewer during validation.

Final data qualifiers:

- J = result is estimated.
- U = result is non-detect at the laboratory detection limit (LDL).

Sample Conditions

Sample Custody

Sample custody was appropriately documented on the chain-of-custody (COC) form accompanying the report.

Holding Times

Extractions and analyses were performed within the recommended holding times.

Preservation and Sample Storage

The samples were preserved and stored appropriately.

Reporting Limits

The laboratory evaluated results to LDLs. Samples that required dilutions because of high analyte concentrations, matrix interferences, and/or dilutions necessary for preparation and/or analysis were reported with raised LDLs and MRLs.

The laboratory qualified results between the LDL and the MRL with J, as estimated.

Blank Results

Method Blanks

Laboratory method blanks are used to evaluate whether laboratory contamination was introduced during sample preparation and analysis. Laboratory method blank analyses were performed at the required frequencies, in accordance with laboratory- and method-specific requirements.

All laboratory method blank results were non-detect to LDLs.

Equipment Rinsate Blanks

Equipment rinsate blanks are used to evaluate the adequacy of the field equipment decontamination process when decontaminated sampling equipment is used to collect samples.

These blanks were not required for this sampling event, as all samples were collected using dedicated or single-use equipment.

Laboratory Control Sample and Laboratory Control Sample Duplicate Results

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) results are used to evaluate laboratory precision and accuracy. All LCS and LCSD were prepared and analyzed at the required frequency, in accordance with laboratory- and method-specific requirements.

All LCS and LCSD results were within acceptance limits for percent recovery and relative percent difference (RPD).

Laboratory Duplicate Results

Laboratory duplicate results are used to evaluate laboratory precision and sample homogeneity. No laboratory duplicate results were reported; batch precision was evaluated using LCS and LCSD results.

Matrix Spike and Matrix Spike Duplicate Results

Matrix spike (MS) and matrix spike duplicate (MSD) results are used to evaluate laboratory precision, accuracy, and the effect of the sample matrix on sample preparation and target analyte recovery. No MS or MSD results were reported; batch precision and accuracy were evaluated using LCS and LCSD results.

Surrogate Results

Surrogate results are used to evaluate laboratory performance of target organic compounds for individual samples.

According to report A4I1618, the EPA Method 8270E nitrobenzene-d5 and 2-fluorobiphenyl surrogate results for sample W-11I-GW-0924 were below the lower percent recovery acceptance limit of 44 percent, at 40 percent and 41 percent, respectively. The nitrobenzene-d5 and 2-fluorobiphenyl surrogates represent basic and neutral compounds, which were not reported; thus, qualification by the reviewer was not required.

All remaining surrogate results were within percent recovery acceptance limits.

Field Duplicate Results

Field duplicate results are used to evaluate field precision and sample homogeneity. The following field duplicate and parent sample pair was submitted for analysis:

| Report | Parent Sample | Field Duplicate Sample |
|---------|---------------|------------------------|
| A4I1618 | W-20I-GW-0924 | W-DUP-GW-0924 |

MFA uses acceptance criteria of 100 percent RPD for results that are less than five times the MRL or 50 percent RPD for results that are greater than five times the MRL. RPD was not evaluated when both results in the sample pair were non-detect.

All field duplicate results met the RPD acceptance criteria.

Data Package

The data package was reviewed for transcription errors, omissions, and anomalies. For the following discrepancies, the reviewer alerted the field staff about proper COC procedures.

According to the COC form accompanying report A4I1618, sample W-18AI-GW-0924 is listed for EPA Method 8270E analysis. No results were reported. The reviewer confirmed that the MFA project manager cancelled analysis of this sample after sample receipt.

On the cooler receipt form accompanying report A4I1618, Apex noted that some samples were missing. The reviewer confirmed that all coolers were relinquished to the lab at the same time; Apex logged the samples from one cooler later the same day under the same sample delivery group. All samples listed on the COC form were received.

On the COC form accompanying report A4I1618, the sample collection dates do not include a year. The reviewer confirmed that samples were collected in 2024 and Apex reported collection dates as such.

On the COC form accompanying report A4I1618, no sample matrix or number of containers per sample are listed. The reviewer confirmed that all samples are groundwater, and two containers were submitted to the laboratory per sample.

On the cooler receipt form accompanying report A4I1618, Apex noted that some sample container labels had information that did not match the information on the COC form. The reviewer confirmed that the sample names (exception below), and collection dates and times provided on the COC form were correct and Apex reported as such.

Report A411618 was revised by Apex on November 19, 2024, to correct the EPA Method 8270E results for sample W-12I-GW-0924 to be associated with batch 24I0962. MRLs and analytical results were updated based on the corrected batch association. Details of the revision are included in the case narrative. Additionally, the report was revised to update a sample name from W-23-GW-0924 to W-23I-GW-0924. For this sample, the sample name on the containers were correct and the name on the COC form was erroneous. Email correspondence from MFA requesting this revision is attached to the revised report.

No other issues were found.

References

Apex. 2023. *Quality Systems Manual*. Rev. 11. Apex Laboratories, LLC: Tigard, OR. June 20.

EPA. 1986. *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*. EPA publication SW-846. 3rd ed. U.S. Environmental Protection Agency. Final updates I (1993), II (1995), IIA (1994), IIB (1995), III (1997), IIIA (1999), IIIB (2005), IV (2008), V (2015), VI phase I (2017), VI phase II (2018), VI phase III (2019), VII phase I (2019), and VII phase II (2020).

EPA. 2020. *National Functional Guidelines for Organic Superfund Methods Data Review*. EPA 540-R-20-005. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation: Washington, DC. November.

Appendix B

Groundwater Sampling Forms



MAUL
FOSTER
ALONGI

Groundwater Field Sampling Data Sheet



| Project Information | | | | | | | | | | | |
|--|--------------------------------------|----------------------|---|---------------------|------------------------|------------------------------|--------------------------|---|---------------------|----------------|--|
| Project No. | Client Name | Project Name | Sampling Event | Sampler(s) | | | | | | | |
| M0461.03.007 | J.H. Baxter | Semiannual Sampling | Second-Half 2024 | S. Maloney | | | | | | | |
| Well Information | | | | | | | | | | | |
| Location ID | Well Type | Monument Type | Depth Measuring Point | Well Diameter (in) | Screen Interval (ft) | Sample Depth (ft) | | | | | |
| W-231 | Monitoring | Stick-up | Top of Casing | | | | | | | | |
| Hydrology/Level Measurements | | | | | | | | | | | |
| Date | Time | Depth to Bottom (ft) | Depth to Product (ft) | Depth to Water (ft) | Product Thickness (ft) | Water Column (ft) | Well Casing Volume (gal) | 0.75" = 0.023 gal/ft 1" = 0.041 gal/ft 1.5" = 0.092 gal/ft 2" = 0.163 gal/ft 3" = 0.367 gal/ft 4" = 0.653 gal/ft 6" = 1.469 gal/ft 8" = 2.611 gal/ft | | | |
| | | DTB | DTP | DTW | DTW - DTP | DTB - DTW | (gal/ft x water column) | | | | |
| 09/25/2024 | 9:25 | | | 14.51 | | -14.51 | #N/A | | | | |
| Water Quality Data | | | | | | | | | | | |
| Purge Method | Submersible Pump | | Purge/Sampling Methods: peristaltic pump, submersible pump, vacuum pump, inertia pump, dedicated pump, disposable bailer, bladder pump, other | | | | | | | | |
| Purge Start Time | 16:00 | | ideally < 0.3 ft drawdown | ± 0.1 | ± 3% | ± 3% | ± 10% if > 0.5 | ± 10 | < 5 or ± 10% if > 5 | | |
| Time | Cumulative Purge Volume | Flowrate | Water Level | pH | Temperature | Conductivity | Dissolved Oxygen | ORP | Turbidity | | |
| | gal | L/min | ft | SU | degrees C | uS/cm | mg/L | mV | NTU | | |
| 16:25 | 5.2 | 0.4 | 14.65 | 6.81 | 14.8 | 677 | 0.64 | 126.5 | 23.87 | | |
| 16:28 | 5.5 | 0.4 | 14.66 | 6.81 | 14.8 | 677 | 0.59 | 123.9 | 23.92 | | |
| 16:31 | 5.8 | 0.4 | 14.66 | 6.81 | 14.9 | 677 | 0.50 | 121.3 | 23.93 | | |
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| Last row of water quality data are considered final field parameters unless otherwise noted. | | | | | | Sample Information | | | | | |
| Water Quality Observations <i>(clarity, tint, odor, sheen, etc.)</i> | Clear; colorless; no odor; no sheen. | | | | | Sampling Method | Submersible Pump | | | | |
| | | | | | | Sample Name | W-231-GW-0924 | | | | |
| | | | | | | Sample Date | 09/25/2024 | Sample Time | 16:35 | | |
| | | | | | | Container Type | Preservative | Filtered (Y/N) | | No. Containers | |
| General Comments | | | | | | VOA | | | | | |
| Purged 5 gallons before flow rate was adjusted. | | | | | | Amber glass | | N | 2 | | |
| | | | | | | Poly | | | | | |
| | | | | | | | | | | | |
| | | | | | | Total No. Containers: | | | 2 | | |

Groundwater Field Sampling Data Sheet



| Project Information | | | | | | | | | | | |
|--|------------------------------------|----------------------|---|---------------------|------------------------|------------------------------|--------------------------|---|-------|----------------|---------------------|
| Project No. | Client Name | Project Name | Sampling Event | Sampler(s) | | | | | | | |
| M0461.03.007 | J.H. Baxter | Semiannual Sampling | Second-Half 2024 | S. Maloney | | | | | | | |
| Well Information | | | | | | | | | | | |
| Location ID | Well Type | Monument Type | Depth Measuring Point | Well Diameter (in) | Screen Interval (ft) | Sample Depth (ft) | | | | | |
| W-IIS | Monitoring | Stick-up | Top of Casing | | | | | | | | |
| Hydrology/Level Measurements | | | | | | | | | | | |
| Date | Time | Depth to Bottom (ft) | Depth to Product (ft) | Depth to Water (ft) | Product Thickness (ft) | Water Column (ft) | Well Casing Volume (gal) | 0.75" = 0.023 gal/ft 1" = 0.041 gal/ft 1.5" = 0.092 gal/ft 2" = 0.163 gal/ft 3" = 0.367 gal/ft 4" = 0.653 gal/ft 6" = 1.469 gal/ft 8" = 2.611 gal/ft | | | |
| | | DTB | DTP | DTW | DTW - DTP | DTB - DTW | (gal/ft x water column) | | | | |
| 09/25/2024 | 9:32 | | | 11.10 | | -11.10 | #N/A | | | | |
| Water Quality Data | | | | | | | | | | | |
| Purge Method | Submersible Pump | | Purge/Sampling Methods: peristaltic pump, submersible pump, vacuum pump, inertia pump, dedicated pump, disposable bailer, bladder pump, other | | | | | | | | |
| Purge Start Time | 16:55 | | ideally < 0.3 ft drawdown | ± 0.1 | ± 3% | ± 3% | ± 10% if > 0.5 | | | ± 10 | < 5 or ± 10% if > 5 |
| Time | Cumulative Purge Volume | Flowrate | Water Level | pH | Temperature | Conductivity | Dissolved Oxygen | | | ORP | Turbidity |
| | gal | L/min | ft | SU | degrees C | uS/cm | mg/L | | | mV | NTU |
| 17:02 | 0.5 | 0.3 | 11.15 | 6.81 | 15.1 | 754 | 0.90 | | | 151.9 | 103.6 |
| 17:05 | 0.8 | 0.3 | 11.15 | 6.80 | 15.3 | 755 | 0.58 | | | 146.6 | 95.6 |
| 17:08 | 1.1 | 0.3 | 11.15 | 6.80 | 15.3 | 757 | 0.53 | 143.8 | 97.6 | | |
| 17:11 | 1.3 | 0.3 | 11.18 | 6.80 | 15.2 | 761 | 0.44 | 138.3 | 79.5 | | |
| 17:14 | 1.5 | 0.3 | 11.18 | 6.79 | 15.2 | 773 | 0.42 | 134.6 | 74.9 | | |
| 17:17 | 1.8 | 0.3 | 11.18 | 6.79 | 15.4 | 774 | 0.41 | 132.4 | 65.8 | | |
| 17:20 | 2.1 | 0.3 | 11.19 | 6.79 | 15.4 | 779 | 0.38 | 123.6 | 50.2 | | |
| 17:23 | 2.4 | 0.3 | 11.14 | 6.79 | 15.4 | 783 | 0.35 | 114.9 | 40.3 | | |
| 17:26 | 2.7 | 0.3 | 11.14 | 6.78 | 15.5 | 791 | 0.34 | 101.9 | 29.4 | | |
| 17:29 | 3.0 | 0.3 | 11.14 | 6.78 | 15.5 | 794 | 0.32 | 95.8 | 27.9 | | |
| 17:31 | 3.3 | 0.3 | 11.14 | 6.78 | 15.5 | 795 | 0.32 | 92.8 | 26.1 | | |
| Last row of water quality data are considered final field parameters unless otherwise noted. | | | | | | | | | | | |
| Sample Information | | | | | | | | | | | |
| Water Quality Observations <i>(clarity, tint, odor, sheen, etc.)</i> | Dark gray tint; no odor; no sheen. | | | | | Sampling Method | Submersible Pump | | | | |
| | | | | | | Sample Name | W-11S-GW-0924 | | | | |
| | | | | | | Sample Date | 09/25/2024 | Sample Time | 17:40 | | |
| | | | | | | Container Type | Preservative | Filtered (Y/N) | | No. Containers | |
| General Comments | | | | | | VOA | | | | | |
| | | | | | | Amber glass | | N | 2 | | |
| | | | | | | Poly | | | | | |
| | | | | | | | | | | | |
| | | | | | | Total No. Containers: | | | | | |

Groundwater Field Sampling Data Sheet



| Project Information | | | | | | | | | | | |
|--|--------------------------------------|----------------------|---|---------------------|------------------------|------------------------------|--------------------------|---|------|----------------|---------------------|
| Project No. | Client Name | Project Name | Sampling Event | Sampler(s) | | | | | | | |
| M0461.03.007 | J.H. Baxter | Semiannual Sampling | Second-Half 2024 | S. Maloney | | | | | | | |
| Well Information | | | | | | | | | | | |
| Location ID | Well Type | Monument Type | Depth Measuring Point | Well Diameter (in) | Screen Interval (ft) | Sample Depth (ft) | | | | | |
| W-6I | Monitoring | Stick-up | Top of Casing | | | | | | | | |
| Hydrology/Level Measurements | | | | | | | | | | | |
| Date | Time | Depth to Bottom (ft) | Depth to Product (ft) | Depth to Water (ft) | Product Thickness (ft) | Water Column (ft) | Well Casing Volume (gal) | 0.75" = 0.023 gal/ft 1" = 0.041 gal/ft 1.5" = 0.092 gal/ft 2" = 0.163 gal/ft 3" = 0.367 gal/ft 4" = 0.653 gal/ft 6" = 1.469 gal/ft 8" = 2.611 gal/ft | | | |
| | | DTB | DTP | DTW | DTW - DTP | DTB - DTW | (gal/ft x water column) | | | | |
| 09/25/2024 | 8:35 | | | 15.43 | | -15.43 | #N/A | | | | |
| Water Quality Data | | | | | | | | | | | |
| Purge Method | Submersible Pump | | Purge/Sampling Methods: peristaltic pump, submersible pump, vacuum pump, inertia pump, dedicated pump, disposable bailer, bladder pump, other | | | | | | | | |
| Purge Start Time | 9:07 | | ideally < 0.3 ft drawdown | ± 0.1 | ± 3% | ± 3% | ± 10% if > 0.5 | | | ± 10 | < 5 or ± 10% if > 5 |
| Time | Cumulative Purge Volume | Flowrate | Water Level | pH | Temperature | Conductivity | Dissolved Oxygen | | | ORP | Turbidity |
| | gal | L/min | ft | SU | degrees C | uS/cm | mg/L | | | mV | NTU |
| 9:16 | 1.1 | 0.4 | 15.49 | 6.93 | 13.9 | 329.9 | 0.60 | | | 83.3 | 1.14 |
| 9:19 | 1.4 | 0.4 | 15.49 | 6.93 | 13.9 | 330.1 | 0.51 | | | 76.1 | 0.96 |
| 9:21 | 1.7 | 0.4 | 15.49 | 6.93 | 13.8 | 329.9 | 0.48 | 73.5 | 1.12 | | |
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| Last row of water quality data are considered final field parameters unless otherwise noted. | | | | | | Sample Information | | | | | |
| Water Quality Observations <i>(clarity, tint, odor, sheen, etc.)</i> | Clear; colorless; no odor; no sheen. | | | | | Sampling Method | Submersible Pump | | | | |
| | | | | | | Sample Name | W-6I-GW-0924 | | | | |
| | | | | | | Sample Date | 09/26/2024 | Sample Time | 9:25 | | |
| | | | | | | Container Type | Preservative | Filtered (Y/N) | | No. Containers | |
| General Comments | | | | | | VOA | | | | | |
| | | | | | | Amber glass | | N | 2 | | |
| | | | | | | Poly | | | | | |
| | | | | | | | | | | | |
| | | | | | | Total No. Containers: | | | | 2 | |

Groundwater Field Sampling Data Sheet



| Project Information | | | | | | | | | | | |
|--|--------------------------------------|----------------------|---|-----------------------|------------------------|-------------------|--------------------------|---|-------|-------|---------------------|
| Project No. | Client Name | Project Name | Sampling Event | Sampler(s) | | | | | | | |
| M0461.03.007 | J.H. Baxter | Semiannual Sampling | Second-Half 2024 | E. Erickson | | | | | | | |
| Well Information | | | | | | | | | | | |
| Location ID | Well Type | Monument Type | Depth Measuring Point | Well Diameter (in) | Screen Interval (ft) | Sample Depth (ft) | | | | | |
| W-7S | Monitoring | Stick-up | Top of Casing | | | | | | | | |
| Hydrology/Level Measurements | | | | | | | | | | | |
| Date | Time | Depth to Bottom (ft) | Depth to Product (ft) | Depth to Water (ft) | Product Thickness (ft) | Water Column (ft) | Well Casing Volume (gal) | 0.75" = 0.023 gal/ft 1" = 0.041 gal/ft 1.5" = 0.092 gal/ft 2" = 0.163 gal/ft 3" = 0.367 gal/ft 4" = 0.653 gal/ft 6" = 1.469 gal/ft 8" = 2.611 gal/ft | | | |
| | | DTB | DTP | DTW | DTW - DTP | DTB - DTW | (gal/ft x water column) | | | | |
| 09/25/2024 | 8:33 | | | 14.83 | | -14.83 | #N/A | | | | |
| Water Quality Data | | | | | | | | | | | |
| Purge Method | Peristaltic Pump | | Purge/Sampling Methods: peristaltic pump, submersible pump, vacuum pump, inertia pump, dedicated pump, disposable bailer, bladder pump, other | | | | | | | | |
| Purge Start Time | 9:21 | | ideally < 0.3 ft drawdown | ± 0.1 | ± 3% | ± 3% | ± 10% if > 0.5 | | | ± 10 | < 5 or ± 10% if > 5 |
| Time | Cumulative Purge Volume | Flowrate | Water Level | pH | Temperature | Conductivity | Dissolved Oxygen | | | ORP | Turbidity |
| | gal | L/min | ft | SU | degrees C | uS/cm | mg/L | | | mV | NTU |
| 9:30 | 0.50 | 0.1 | 15.10 | 5.94 | 15.1 | 505.0 | 0.15 | | | 147.3 | 1.02 |
| 9:34 | 0.75 | 0.2 | 15.10 | 5.97 | 15.1 | 519.0 | 0.10 | | | 146.4 | 1.11 |
| 9:38 | 1.00 | 0.1 | 15.10 | 6.08 | 15.2 | 541.0 | 0.14 | 142.5 | 11.60 | | |
| 9:42 | 1.25 | 0.1 | 15.10 | 6.13 | 15.1 | 559.0 | 0.02 | 139.6 | 10.12 | | |
| 9:46 | 1.50 | 0.1 | 15.10 | 6.15 | 15.1 | 564.0 | 0.00 | 137.6 | 9.55 | | |
| 9:50 | 1.75 | 0.1 | 15.10 | 6.19 | 15.2 | 572.0 | 0.00 | 133.9 | 8.84 | | |
| 9:54 | 2.00 | 0.1 | 15.10 | 6.23 | 15.2 | 580.0 | 0.00 | 129.7 | 9.01 | | |
| 9:58 | 2.25 | 0.1 | 15.10 | 6.25 | 15.2 | 583.0 | 0.00 | 126.4 | 9.14 | | |
| Last row of water quality data are considered final field parameters unless otherwise noted. | | | | | | | | | | | |
| Sample Information | | | | | | | | | | | |
| Water Quality Observations <i>(clarity, tint, odor, sheen, etc.)</i> | Clear; colorless; no odor; no sheen. | | | Sampling Method | Peristaltic Pump | | | | | | |
| | | | | Sample Name | W-7S-GW-0924 | | | | | | |
| | | | | Sample Date | 09/26/2024 | Sample Time | 10:02 | | | | |
| | | | | Container Type | Preservative | Filtered (Y/N) | | No. Containers | | | |
| General Comments | | | | VOA | | | | | | | |
| Flow rate increase at 09:35 caused rise in turbidity. Flow rate decreased at 09:38. | | | | Amber glass | | N | 2 | | | | |
| | | | | Poly | | | | | | | |
| | | | | | | | | | | | |
| | | | | Total No. Containers: | | | | | | 2 | |

Groundwater Field Sampling Data Sheet



| Project Information | | | | | | | | | | | |
|--|--|----------------------|---|---------------------|------------------------|------------------------------|--------------------------|---|-------|----------------|---------------------|
| Project No. | Client Name | Project Name | Sampling Event | Sampler(s) | | | | | | | |
| M0461.03.007 | J.H. Baxter | Semiannual Sampling | Second-Half 2024 | E. Erickson | | | | | | | |
| Well Information | | | | | | | | | | | |
| Location ID | Well Type | Monument Type | Depth Measuring Point | Well Diameter (in) | Screen Interval (ft) | Sample Depth (ft) | | | | | |
| W-26 | Monitoring | Flush-mount | Top of Casing | 4.0 | | | | | | | |
| Hydrology/Level Measurements | | | | | | | | | | | |
| Date | Time | Depth to Bottom (ft) | Depth to Product (ft) | Depth to Water (ft) | Product Thickness (ft) | Water Column (ft) | Well Casing Volume (gal) | 0.75" = 0.023 gal/ft 1" = 0.041 gal/ft 1.5" = 0.092 gal/ft 2" = 0.163 gal/ft 3" = 0.367 gal/ft 4" = 0.653 gal/ft 6" = 1.469 gal/ft 8" = 2.611 gal/ft | | | |
| | | DTB | DTP | DTW | DTW - DTP | DTB - DTW | (gal/ft x water column) | | | | |
| 09/25/2024 | 11:18 | 79.00 | | 8.77 | | 70.23 | 45.86 | | | | |
| Water Quality Data | | | | | | | | | | | |
| Purge Method | Peristaltic Pump | | Purge/Sampling Methods: peristaltic pump, submersible pump, vacuum pump, inertia pump, dedicated pump, disposable bailer, bladder pump, other | | | | | | | | |
| Purge Start Time | 10:56 | | ideally < 0.3 ft drawdown | ± 0.1 | ± 3% | ± 3% | ± 10% if > 0.5 | | | ± 10 | < 5 or ± 10% if > 5 |
| Time | Cumulative Purge Volume | Flowrate | Water Level | pH | Temperature | Conductivity | Dissolved Oxygen | | | ORP | Turbidity |
| | gal | L/min | ft | SU | degrees C | uS/cm | mg/L | | | mV | NTU |
| 11:03 | 0.75 | 0.2 | 9.74 | 6.05 | 15.9 | 24.2 | 0.25 | | | -121.8 | 14.72 |
| 11:07 | 1.00 | 0.2 | 9.74 | 6.04 | 15.8 | 24.1 | 0.16 | | | -125.8 | 13.64 |
| 11:11 | 1.25 | 0.2 | 9.75 | 6.04 | 15.8 | 24.1 | 0.10 | -129.4 | 10.48 | | |
| 11:15 | 1.50 | 0.2 | 9.75 | 6.05 | 15.8 | 24.1 | 0.05 | -132.8 | 12.35 | | |
| 11:19 | 1.75 | 0.2 | 9.75 | 6.06 | 15.8 | 24.2 | 0.01 | -137.0 | 9.64 | | |
| 11:23 | 2.00 | 0.2 | 9.75 | 6.06 | 15.8 | 24.3 | 0.00 | -139.2 | 8.56 | | |
| 11:27 | 2.25 | 0.2 | 9.75 | 6.06 | 15.8 | 24.3 | 0.00 | -140.6 | 8.50 | | |
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| | | | | | | | | | | | |
| Last row of water quality data are considered final field parameters unless otherwise noted. | | | | | | Sample Information | | | | | |
| Water Quality Observations <i>(clarity, tint, odor, sheen, etc.)</i> | Initially turbid, becoming clear; gray; no odor; no sheen. | | | | | Sampling Method | Peristaltic Pump | | | | |
| | | | | | | Sample Name | W-26-GW-0924 | | | | |
| | | | | | | Sample Date | 09/26/2024 | Sample Time | 11:31 | | |
| | | | | | | Container Type | Preservative | Filtered (Y/N) | | No. Containers | |
| General Comments | | | | | | VOA | | | | | |
| | | | | | | Amber glass | | N | 2 | | |
| | | | | | | Poly | | | | | |
| | | | | | | | | | | | |
| | | | | | | Total No. Containers: | | | | | |

Groundwater Field Sampling Data Sheet



| Project Information | | | | | | | | | | | |
|--|---|----------------------|---|---------------------|------------------------------|-------------------|--------------------------|---|-------|----------------|---------------------|
| Project No. | Client Name | Project Name | Sampling Event | Sampler(s) | | | | | | | |
| M0461.03.007 | J.H. Baxter | Semiannual Sampling | Second-Half 2024 | S. Maloney | | | | | | | |
| Well Information | | | | | | | | | | | |
| Location ID | Well Type | Monument Type | Depth Measuring Point | Well Diameter (in) | Screen Interval (ft) | Sample Depth (ft) | | | | | |
| W-25 | Monitoring | Flush-mount | Top of Casing | 4.0 | | | | | | | |
| Hydrology/Level Measurements | | | | | | | | | | | |
| Date | Time | Depth to Bottom (ft) | Depth to Product (ft) | Depth to Water (ft) | Product Thickness (ft) | Water Column (ft) | Well Casing Volume (gal) | 0.75" = 0.023 gal/ft 1" = 0.041 gal/ft 1.5" = 0.092 gal/ft 2" = 0.163 gal/ft 3" = 0.367 gal/ft 4" = 0.653 gal/ft 6" = 1.469 gal/ft 8" = 2.611 gal/ft | | | |
| | | DTB | DTP | DTW | DTW - DTP | DTB - DTW | (gal/ft x water column) | | | | |
| 09/25/2024 | 12:20 | 64.00 | | 9.75 | | 54.25 | 35.43 | | | | |
| Water Quality Data | | | | | | | | | | | |
| Purge Method | Peristaltic Pump | | Purge/Sampling Methods: peristaltic pump, submersible pump, vacuum pump, inertia pump, dedicated pump, disposable bailer, bladder pump, other | | | | | | | | |
| Purge Start Time | 13:30 | | ideally < 0.3 ft drawdown | ± 0.1 | ± 3% | ± 3% | ± 10% if > 0.5 | | | ± 10 | < 5 or ± 10% if > 5 |
| Time | Cumulative Purge Volume | Flowrate | Water Level | pH | Temperature | Conductivity | Dissolved Oxygen | | | ORP | Turbidity |
| | gal | L/min | ft | SU | degrees C | uS/cm | mg/L | | | mV | NTU |
| 13:35 | 0.25 | 0.3 | 9.82 | 7.03 | 15.5 | 533 | 0.62 | | | -158.0 | 1.40 |
| 13:38 | 0.50 | 0.3 | 9.82 | 7.06 | 15.5 | 534 | 0.22 | | | -170.0 | 1.46 |
| 13:41 | 0.75 | 0.3 | 9.82 | 7.08 | 15.5 | 534 | 0.11 | -180.8 | 1.36 | | |
| 13:44 | 1.00 | 0.3 | 9.82 | 7.09 | 15.5 | 535 | 0.04 | -190.3 | 1.60 | | |
| 13:47 | 1.30 | 0.3 | 9.82 | 7.09 | 15.5 | 535 | 0.01 | -193.8 | 1.40 | | |
| 13:50 | 1.50 | 0.3 | 9.82 | 7.10 | 15.4 | 535 | 0.01 | -197.8 | 1.43 | | |
| Last row of water quality data are considered final field parameters unless otherwise noted. | | | | | | | | | | | |
| Sample Information | | | | | | | | | | | |
| Water Quality Observations <i>(clarity, tint, odor, sheen, etc.)</i> | Clear; colorless; no odor; no sheen; slight rotten egg-like odor. | | | | | Sampling Method | Peristaltic Pump | | | | |
| | | | | | | Sample Name | W-25-GW-0924 | | | | |
| | | | | | | Sample Date | 09/25/2024 | Sample Time | 13:55 | | |
| | | | | | | Container Type | Preservative | Filtered (Y/N) | | No. Containers | |
| General Comments | | | | | | | | | | | |
| | | | | | VOA | | | | | | |
| | | | | | Amber glass | | N | 2 | | | |
| | | | | | Poly | | | | | | |
| | | | | | | | | | | | |
| | | | | | Total No. Containers: | | | | 2 | | |

Groundwater Field Sampling Data Sheet



| Project Information | | | | | | | | | | | |
|---|---|----------------------|---|---------------------|------------------------|------------------------------|--------------------------|---|---------------------|----------------|--|
| Project No. | Client Name | Project Name | Sampling Event | Sampler(s) | | | | | | | |
| M0461.03.007 | J.H. Baxter | Semiannual Sampling | Second-Half 2024 | S. Maloney | | | | | | | |
| Well Information | | | | | | | | | | | |
| Location ID | Well Type | Monument Type | Depth Measuring Point | Well Diameter (in) | Screen Interval (ft) | Sample Depth (ft) | | | | | |
| W-32 | Monitoring | Flush-mount | | | | | | | | | |
| Hydrology/Level Measurements | | | | | | | | | | | |
| Date | Time | Depth to Bottom (ft) | Depth to Product (ft) | Depth to Water (ft) | Product Thickness (ft) | Water Column (ft) | Well Casing Volume (gal) | 0.75" = 0.023 gal/ft 1" = 0.041 gal/ft 1.5" = 0.092 gal/ft 2" = 0.163 gal/ft 3" = 0.367 gal/ft 4" = 0.653 gal/ft 6" = 1.469 gal/ft 8" = 2.611 gal/ft | | | |
| | | DTB | DTP | DTW | DTW - DTP | DTB - DTW | (gal/ft x water column) | | | | |
| 09/25/2024 | 11:40 | | | 10.05 | | -10.05 | #N/A | | | | |
| Water Quality Data | | | | | | | | | | | |
| Purge Method | Peristaltic Pump | | Purge/Sampling Methods: peristaltic pump, submersible pump, vacuum pump, inertia pump, dedicated pump, disposable bailer, bladder pump, other | | | | | | | | |
| Purge Start Time | 14:15 | | ideally < 0.3 ft drawdown | ± 0.1 | ± 3% | ± 3% | ± 10% if > 0.5 | ± 10 | < 5 or ± 10% if > 5 | | |
| Time | Cumulative Purge Volume | Flowrate | Water Level | pH | Temperature | Conductivity | Dissolved Oxygen | ORP | Turbidity | | |
| | gal | L/min | ft | SU | degrees C | uS/cm | mg/L | mV | NTU | | |
| 14:21 | 1.3 | 0.3 | 9.95 | 6.74 | 18.1 | 107.4 | 1.52 | 2.9 | 0.70 | | |
| 14:24 | 1.5 | 0.3 | 9.95 | 6.71 | 18.1 | 106.5 | 1.40 | -37.0 | 0.50 | | |
| 14:27 | 1.8 | 0.3 | 9.95 | 6.67 | 18.1 | 108.1 | 1.47 | -80.0 | 6.11 | | |
| 14:30 | 2.3 | 0.3 | 9.95 | 6.66 | 18.1 | 105.0 | 1.53 | -88.0 | 10.97 | | |
| 14:33 | 2.4 | 0.2 | 9.95 | 6.63 | 18.2 | 103.3 | 1.87 | -116.0 | 17.80 | | |
| 14:39 | 2.6 | 0.1 | 9.95 | 6.57 | 18.2 | 122.2 | 2.23 | -38.2 | 1.64 | | |
| 14:42 | 2.8 | 0.1 | 9.95 | 6.55 | 17.6 | 119.8 | 2.01 | -26.2 | 2.80 | | |
| 14:45 | 2.9 | 0.1 | 9.95 | 6.53 | 17.5 | 120.6 | 1.91 | -24.8 | 3.10 | | |
| 14:48 | 3.0 | 0.1 | 9.95 | 6.53 | 17.4 | 120.2 | 1.84 | -24.3 | 3.24 | | |
| Last row of water quality data are considered final field parameters unless otherwise noted. | | | | | | Sample Information | | | | | |
| Water Quality Observations (clarity, tint, odor, sheen, etc.) | Clear; colorless; some flakey suspended material; rotten egg-like odor. | | | | | Sampling Method | Peristaltic Pump | | | | |
| | | | | | | Sample Name | W-32-GW-0924 | | | | |
| | | | | | | Sample Date | 09/26/2024 | Sample Time | 14:50 | | |
| | | | | | | Container Type | Preservative | Filtered (Y/N) | | No. Containers | |
| General Comments | | | | | | VOA | | | | | |
| Sub pump stopped flowing @ 14:13. Switched to peristaltic pump. Switched YSIs at 14:39 due to issue with turbidity probe in original YSI. | | | | | | Amber glass | | N | 2 | | |
| | | | | | | Poly | | | | | |
| | | | | | | | | | | | |
| | | | | | | Total No. Containers: | | | | | |

Groundwater Field Sampling Data Sheet



| Project Information | | | | | | | | | | | |
|--|--|----------------------|---|---------------------|------------------------------|-------------------|--------------------------|---|-------|----------------|---------------------|
| Project No. | Client Name | Project Name | Sampling Event | Sampler(s) | | | | | | | |
| M0461.03.007 | J.H. Baxter | Semiannual Sampling | Second-Half 2024 | S. Maloney | | | | | | | |
| Well Information | | | | | | | | | | | |
| Location ID | Well Type | Monument Type | Depth Measuring Point | Well Diameter (in) | Screen Interval (ft) | Sample Depth (ft) | | | | | |
| W-24 | Monitoring | Flush-mount | Top of Casing | 4.0 | | | | | | | |
| Hydrology/Level Measurements | | | | | | | | | | | |
| Date | Time | Depth to Bottom (ft) | Depth to Product (ft) | Depth to Water (ft) | Product Thickness (ft) | Water Column (ft) | Well Casing Volume (gal) | 0.75" = 0.023 gal/ft 1" = 0.041 gal/ft 1.5" = 0.092 gal/ft 2" = 0.163 gal/ft 3" = 0.367 gal/ft 4" = 0.653 gal/ft 6" = 1.469 gal/ft 8" = 2.611 gal/ft | | | |
| | | DTB | DTP | DTW | DTW - DTP | DTB - DTW | (gal/ft x water column) | | | | |
| 09/25/2024 | 12:36 | 65.00 | | 11.45 | | 53.55 | 34.97 | | | | |
| Water Quality Data | | | | | | | | | | | |
| Purge Method | Peristaltic Pump | | Purge/Sampling Methods: peristaltic pump, submersible pump, vacuum pump, inertia pump, dedicated pump, disposable bailer, bladder pump, other | | | | | | | | |
| Purge Start Time | 15:30 | | ideally < 0.3 ft drawdown | ± 0.1 | ± 3% | ± 3% | ± 10% if > 0.5 | | | ± 10 | < 5 or ± 10% if > 5 |
| Time | Cumulative Purge Volume | Flowrate | Water Level | pH | Temperature | Conductivity | Dissolved Oxygen | | | ORP | Turbidity |
| | gal | L/min | ft | SU | degrees C | uS/cm | mg/L | | | mV | NTU |
| 15:35 | 0.20 | 0.2 | 12.60 | 6.05 | 14.6 | 57.4 | 0.91 | | | 96.0 | 18.46 |
| 15:38 | 0.40 | 0.2 | 12.60 | 6.03 | 14.6 | 56.7 | 0.60 | | | 104.7 | 16.02 |
| 15:41 | 0.60 | 0.2 | 12.60 | 6.03 | 14.6 | 56.3 | 0.50 | 103.5 | 14.60 | | |
| 15:44 | 0.90 | 0.2 | 12.60 | 6.03 | 14.3 | 56.2 | 0.45 | 99.6 | 13.62 | | |
| 15:47 | 1.20 | 0.2 | 12.60 | 6.03 | 14.4 | 54.8 | 0.41 | 91.1 | 14.74 | | |
| 15:50 | 1.40 | 0.2 | 12.60 | 6.03 | 14.4 | 55.4 | 0.38 | 75.7 | 11.09 | | |
| 15:53 | 1.75 | 0.2 | 12.60 | 6.04 | 14.4 | 55.4 | 0.36 | 64.0 | 11.60 | | |
| 15:56 | 1.90 | 0.2 | 12.60 | 6.04 | 14.4 | 55.3 | 0.35 | 55.3 | 8.60 | | |
| 15:59 | 2.25 | 0.2 | 12.60 | 6.04 | 14.4 | 55.0 | 0.33 | 48.8 | 8.54 | | |
| 16:02 | 2.50 | 0.2 | 12.60 | 6.04 | 14.3 | 54.6 | 0.33 | 44.5 | 7.99 | | |
| 16:05 | 2.75 | 0.2 | 12.60 | 6.04 | 14.3 | 54.8 | 0.32 | 40.7 | | | |
| Last row of water quality data are considered final field parameters unless otherwise noted. | | | | | | | | | | | |
| Sample Information | | | | | | | | | | | |
| Water Quality Observations <i>(clarity, tint, odor, sheen, etc.)</i> | Clear; colorless; no odor; no sheen; some brown flakey particulates. | | | | | Sampling Method | Peristaltic Pump | | | | |
| | | | | | | Sample Name | W-24-GW-0924 | | | | |
| | | | | | | Sample Date | 09/26/2024 | Sample Time | 16:10 | | |
| | | | | | | Container Type | Preservative | Filtered (Y/N) | | No. Containers | |
| General Comments | | | | | | | | | | | |
| | | | | | VOA | | | | | | |
| | | | | | Amber glass | | N | 2 | | | |
| | | | | | Poly | | | | | | |
| | | | | | | | | | | | |
| | | | | | Total No. Containers: | | | | 2 | | |

Groundwater Field Sampling Data Sheet



| Project Information | | | | | | | | | | | |
|---|-------------------------|--------------------------------------|-----------------------|---|------------------------|------------------------------|--------------------------------|---|----------------------------|----------------|--|
| Project No. | | Client Name | | Project Name | | Sampling Event | | Sampler(s) | | | |
| M0461.03.007 | | J.H. Baxter | | Semiannual Sampling | | Second-Half 2024 | | E. Erickson | | | |
| Well Information | | | | | | | | | | | |
| Location ID | Well Type | | Monument Type | | Depth Measuring Point | | Well Diameter (in) | Screen Interval (ft) | Sample Depth (ft) | | |
| W-17AS | | | Flush-mount | | Top of Casing | | | | | | |
| Hydrology/Level Measurements | | | | | | | | | | | |
| Date | Time | Depth to Bottom (ft) | Depth to Product (ft) | Depth to Water (ft) | Product Thickness (ft) | Water Column (ft) | Well Casing Volume (gal) | 0.75" = 0.023 gal/ft 1" = 0.041 gal/ft 1.5" = 0.092 gal/ft 2" = 0.163 gal/ft 3" = 0.367 gal/ft 4" = 0.653 gal/ft 6" = 1.469 gal/ft 8" = 2.611 gal/ft | | | |
| | | <i>DTB</i> | <i>DTP</i> | <i>DTW</i> | <i>DTW - DTP</i> | <i>DTB - DTW</i> | <i>(gal/ft x water column)</i> | | | | |
| 09/25/2024 | 12:55 | | | 8.36 | | -8.36 | #N/A | | | | |
| | | | | | | | | | | | |
| Water Quality Data | | | | | | | | | | | |
| Purge Method | | Peristaltic Pump | | Purge/Sampling Methods: peristaltic pump, submersible pump, vacuum pump, inertia pump, dedicated pump, disposable bailer, bladder pump, other | | | | | | | |
| Purge Start Time | | 16:32 | | <i>ideally < 0.3 ft drawdown</i> | ± 0.1 | $\pm 3\%$ | $\pm 3\%$ | $\pm 10\%$ if > 0.5 | < 5 or $\pm 10\%$ if > 5 | | |
| Time | Cumulative Purge Volume | Flowrate | Water Level | pH | Temperature | Conductivity | Dissolved Oxygen | ORP | Turbidity | | |
| | <i>gal</i> | <i>L/min</i> | <i>ft</i> | <i>SU</i> | <i>degrees C</i> | <i>uS/cm</i> | <i>mg/L</i> | <i>mV</i> | <i>NTU</i> | | |
| 16:39 | 0.30 | 0.1 | 8.51 | 6.61 | 18.0 | 227.1 | 4.28 | 84.8 | 8.13 | | |
| 16:43 | 0.75 | 0.1 | 8.46 | 6.61 | 18.0 | 228.5 | 4.19 | 96.4 | 10.74 | | |
| 16:47 | 1.00 | 0.1 | 8.49 | 6.61 | 18.0 | 227.6 | 4.19 | 97.4 | 16.22 | | |
| 16:51 | 1.25 | 0.1 | 8.49 | 6.62 | 18.1 | 228.0 | 4.21 | 97.3 | 14.21 | | |
| 16:55 | 1.50 | 0.1 | 8.48 | 6.62 | 18.1 | 228.2 | 4.23 | 95.4 | 4.25 | | |
| 16:59 | 1.75 | 0.1 | 8.48 | 6.80 | 19.7 | 202.7 | 4.08 | 105.7 | 0.1 | | |
| 17:04 | 2.00 | 0.1 | 8.49 | 6.78 | 19.0 | 201.9 | 3.92 | 113.6 | 0.1 | | |
| 17:09 | 2.25 | 0.1 | 8.46 | 6.78 | 19.1 | 200.6 | 3.92 | 119.7 | 1.95 | | |
| 17:13 | 2.50 | 0.1 | 8.48 | 6.78 | 19.2 | 201.0 | 3.90 | 125.3 | 1.10 | | |
| 17:17 | 2.75 | 0.1 | 8.48 | 6.78 | 19.1 | 201.0 | 3.91 | 129.7 | 0.1 | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| <i>Last row of water quality data are considered final field parameters unless otherwise noted.</i> | | | | | | Sample Information | | | | | |
| Water Quality Observations (clarity, tint, odor, sheen, etc.) | | Clear; colorless; no odor; no sheen. | | | | Sampling Method | Submersible Pump | | | | |
| | | | | | | Sample Name | W-17AS-GW-0924 | | | | |
| | | | | | | Sample Date | 09/26/2024 | Sample Time | 17:20 | | |
| | | | | | | Container Type | Preservative | Filtered (Y/N) | | No. Containers | |
| General Comments | | | | | | VOA | | | | | |
| 16:59: Switched out YSIs (rentals). | | | | | | Amber glass | | N | 2 | | |
| | | | | | | Poly | | | | | |
| | | | | | | | | | | | |
| | | | | | | Total No. Containers: | | | | 2 | |

Groundwater Field Sampling Data Sheet



| Project Information | | | | | | | | | | | | |
|--|--------------------------------------|----------------------|---|------------------------------|------------------------|-------------------|--------------------------|---|------|------|---------------------|---|
| Project No. | Client Name | Project Name | Sampling Event | Sampler(s) | | | | | | | | |
| M0461.03.007 | J.H. Baxter | Semiannual Sampling | Second-Half 2024 | E. Erickson | | | | | | | | |
| Well Information | | | | | | | | | | | | |
| Location ID | Well Type | Monument Type | Depth Measuring Point | Well Diameter (in) | Screen Interval (ft) | Sample Depth (ft) | | | | | | |
| W-18AI | | Stick-up | Top of Casing | | | | | | | | | |
| Hydrology/Level Measurements | | | | | | | | | | | | |
| Date | Time | Depth to Bottom (ft) | Depth to Product (ft) | Depth to Water (ft) | Product Thickness (ft) | Water Column (ft) | Well Casing Volume (gal) | 0.75" = 0.023 gal/ft 1" = 0.041 gal/ft 1.5" = 0.092 gal/ft 2" = 0.163 gal/ft 3" = 0.367 gal/ft 4" = 0.653 gal/ft 6" = 1.469 gal/ft 8" = 2.611 gal/ft | | | | |
| | | DTB | DTP | DTW | DTW - DTP | DTB - DTW | (gal/ft x water column) | | | | | |
| 09/25/2024 | 9:09 | | | 13.40 | | -13.40 | #N/A | | | | | |
| Water Quality Data | | | | | | | | | | | | |
| Purge Method | Peristaltic Pump | | Purge/Sampling Methods: peristaltic pump, submersible pump, vacuum pump, inertia pump, dedicated pump, disposable bailer, bladder pump, other | | | | | | | | | |
| Purge Start Time | 7:50 | | ideally < 0.3 ft drawdown | ± 0.1 | ± 3% | ± 3% | ± 10% if > 0.5 | | | ± 10 | < 5 or ± 10% if > 5 | |
| Time | Cumulative Purge Volume | Flowrate | Water Level | pH | Temperature | Conductivity | Dissolved Oxygen | | | ORP | Turbidity | |
| | gal | L/min | ft | SU | degrees C | uS/cm | mg/L | | | mV | NTU | |
| 8:17 | 5.20 | 0.4 | 13.62 | 7.00 | 13.5 | 394.8 | 0.40 | | | 8.9 | 0.96 | |
| 8:21 | 5.60 | 0.4 | 13.61 | 7.00 | 13.5 | 392.5 | 0.38 | | | 4.7 | 0.91 | |
| 8:25 | 6.00 | 0.4 | 13.71 | 6.99 | 13.5 | 390.3 | 0.36 | -21.9 | 0.86 | | | |
| 8:29 | 6.40 | 0.4 | 13.71 | 6.98 | 13.5 | 386.9 | 0.34 | -42.4 | 0.81 | | | |
| 8:33 | 7.00 | 0.4 | 13.71 | 6.98 | 13.5 | 386.8 | 0.33 | -45.3 | 0.72 | | | |
| 8:37 | 7.25 | 0.3 | 13.51 | 6.99 | 13.5 | 386.9 | 0.33 | -46.2 | 0.76 | | | |
| Last row of water quality data are considered final field parameters unless otherwise noted. | | | | | | | | | | | | |
| Sample Information | | | | | | | | | | | | |
| Water Quality Observations <i>(clarity, tint, odor, sheen, etc.)</i> | Clear; colorless; no odor; no sheen. | | | Sampling Method | Peristaltic Pump | | | | | | | |
| | | | | Sample Name | 18A-I-GW-0924 | | | | | | | |
| | | | | Sample Date | 09/26/2024 | Sample Time | 8:40 | | | | | |
| | | | | Container Type | Preservative | Filtered (Y/N) | | No. Containers | | | | |
| General Comments | | | | | | | | | | | | |
| | | | | VOA | | | | | | | | |
| | | | | Amber glass | None | N | 2 | | | | | |
| | | | | Poly | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | Total No. Containers: | | | | | | | | 2 |

Appendix C

Time Series Plots: Pentachlorophenol in Groundwater



MAUL
FOSTER
ALONGI

Figure C-1
Pentachlorophenol in Groundwater at W-61

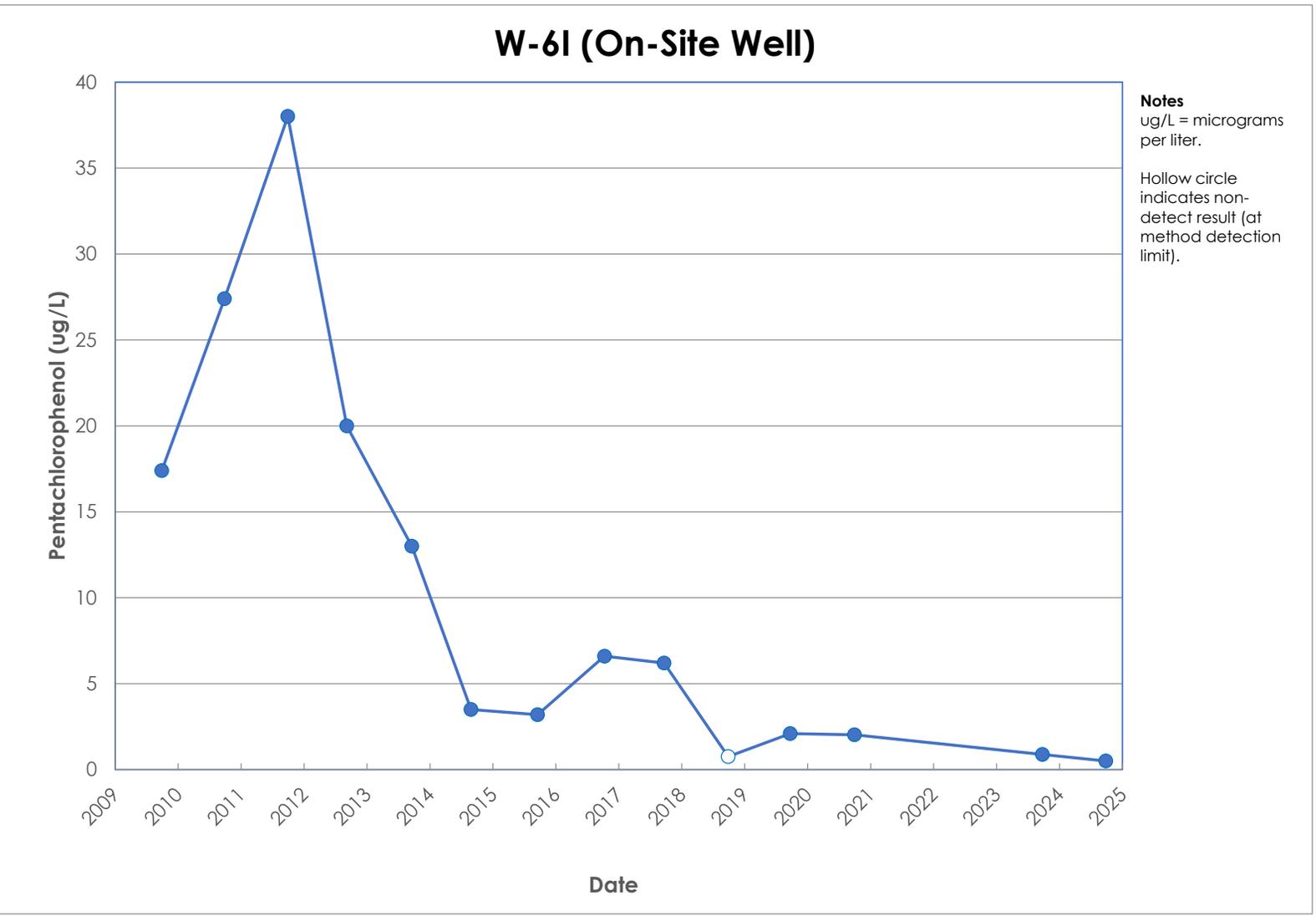


Figure C-2
Pentachlorophenol in Groundwater at W-7S

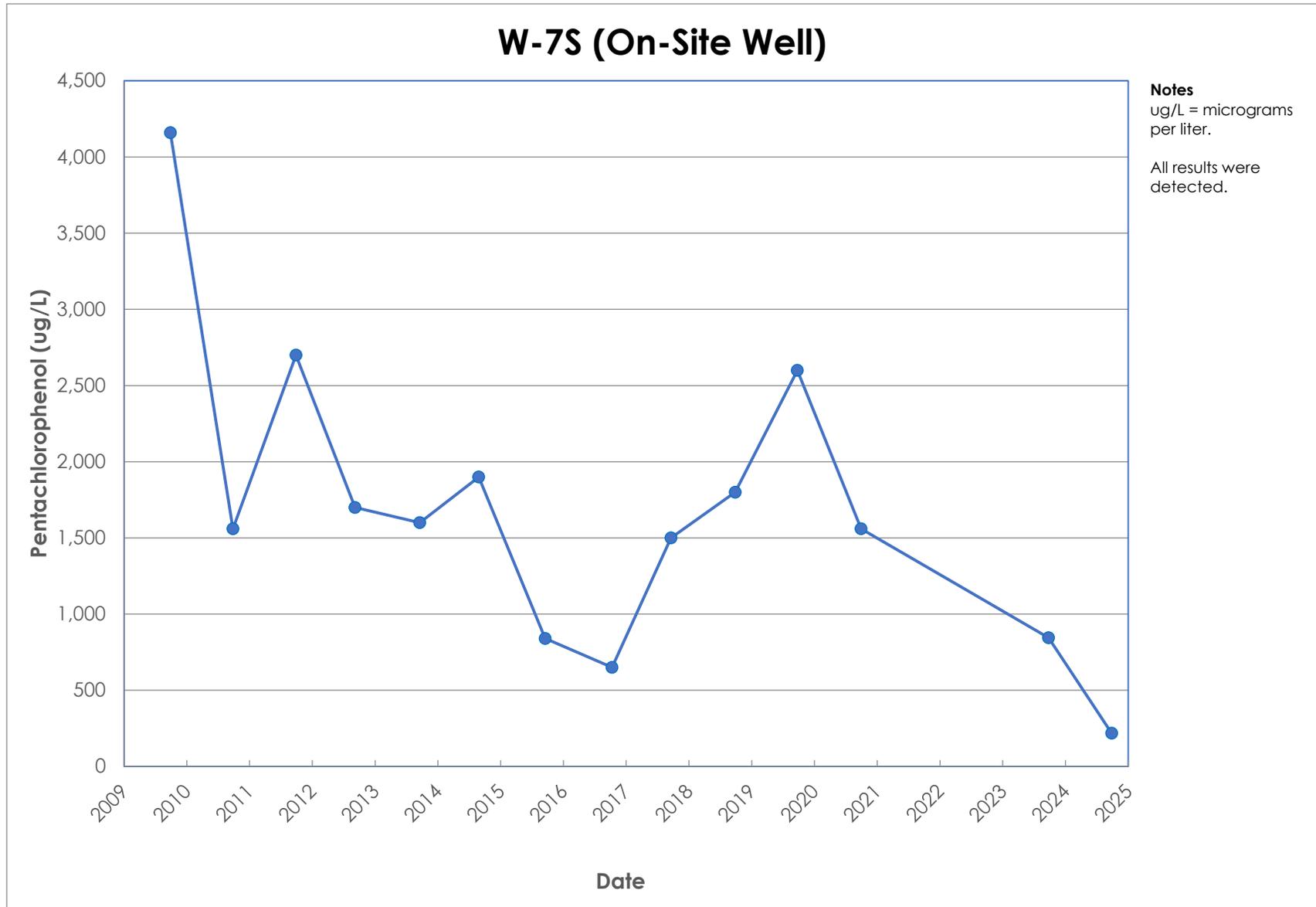


Figure C-3
Pentachlorophenol in Groundwater at W-111

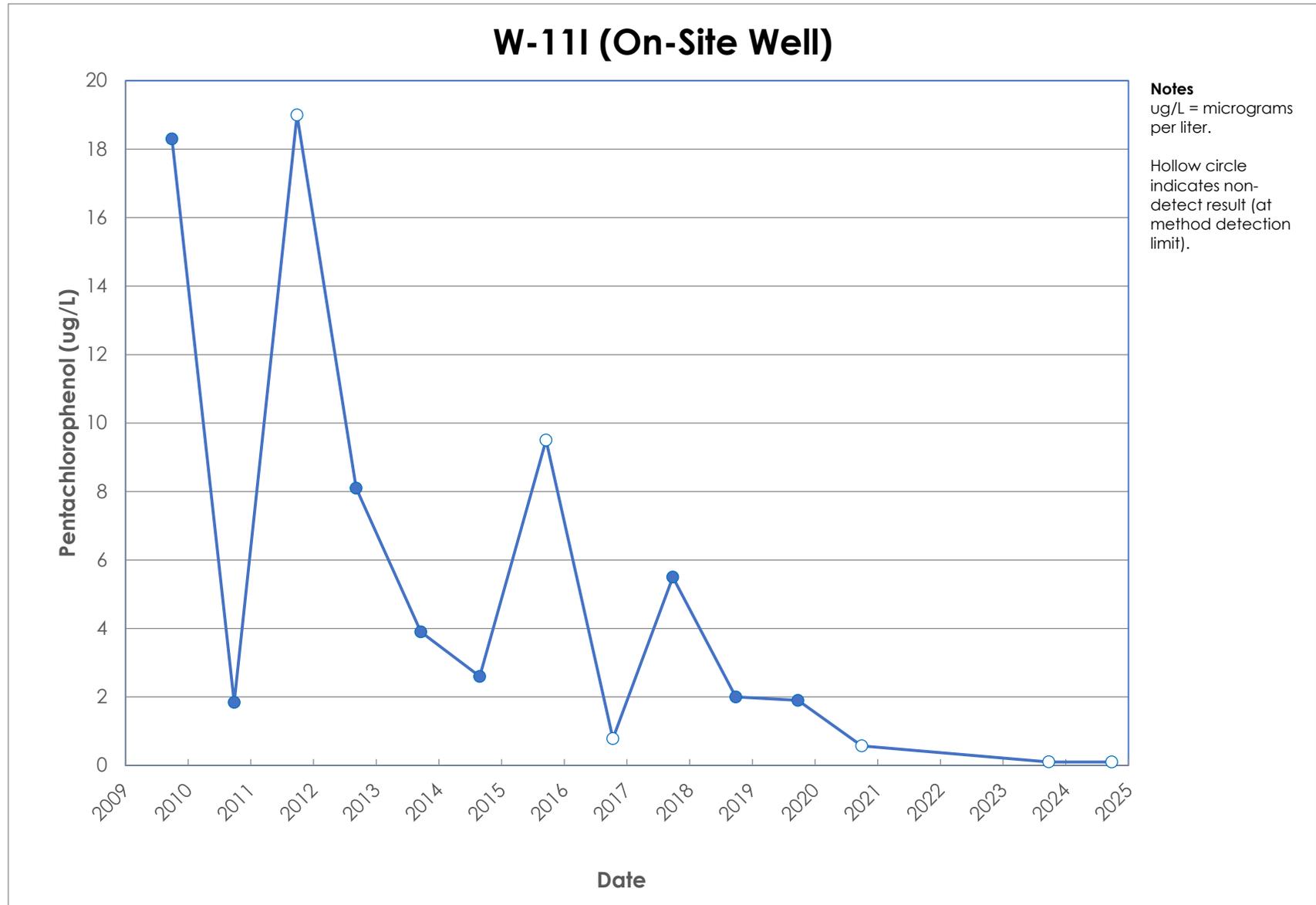


Figure C-4
Pentachlorophenol in Groundwater at W-11S

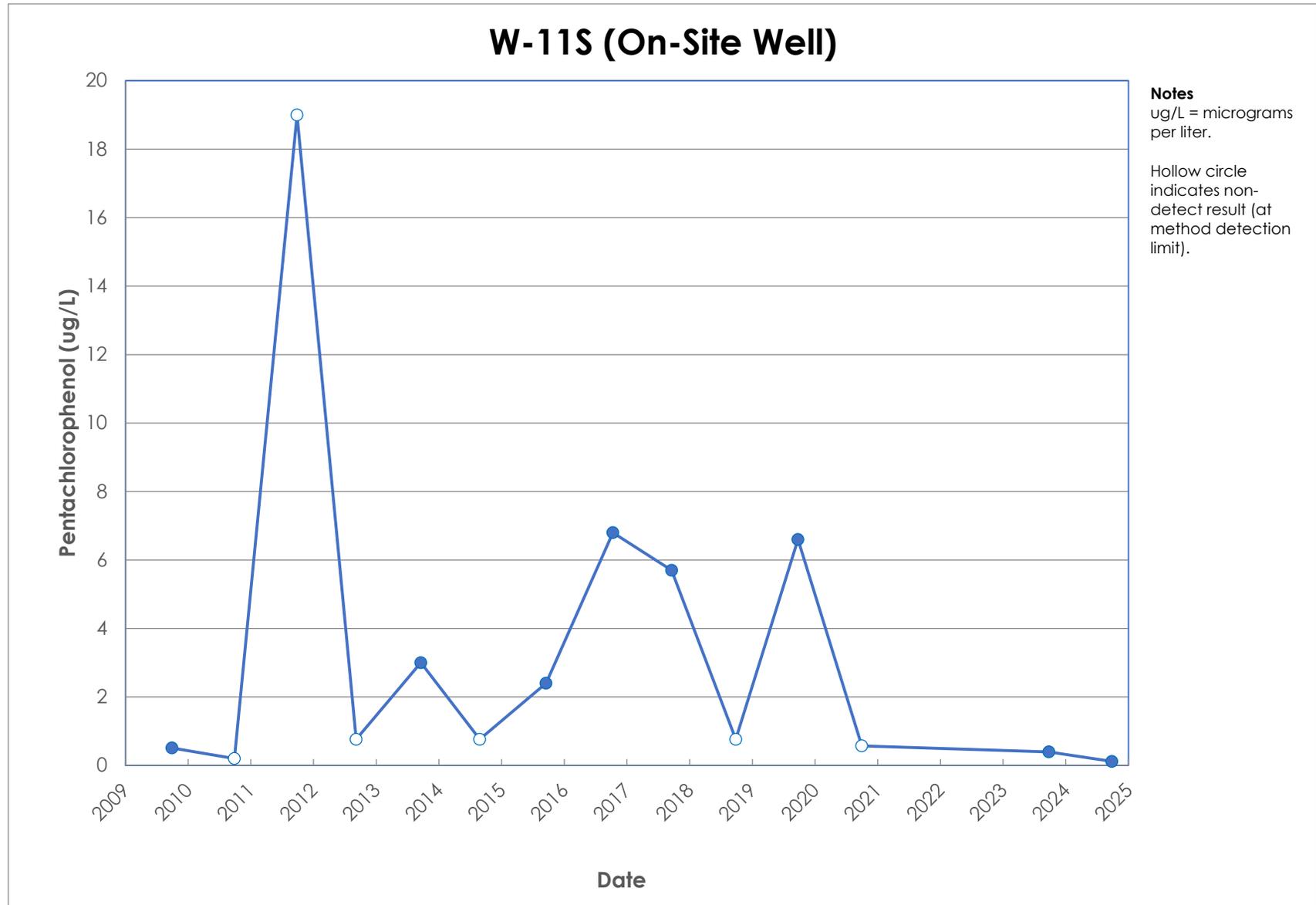


Figure C-5
Pentachlorophenol in Groundwater at W-12I

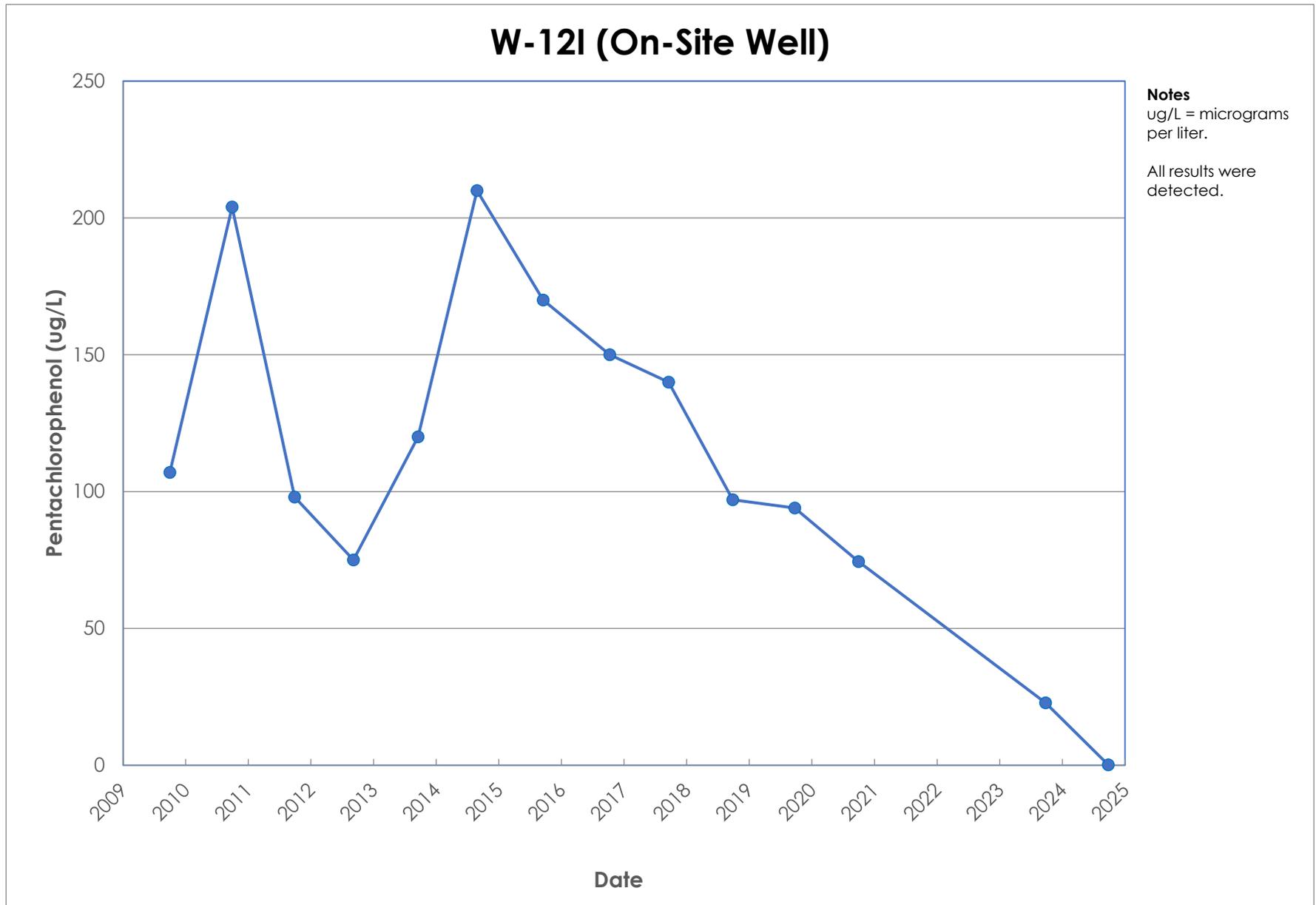


Figure C-6
Pentachlorophenol in Groundwater at W-231

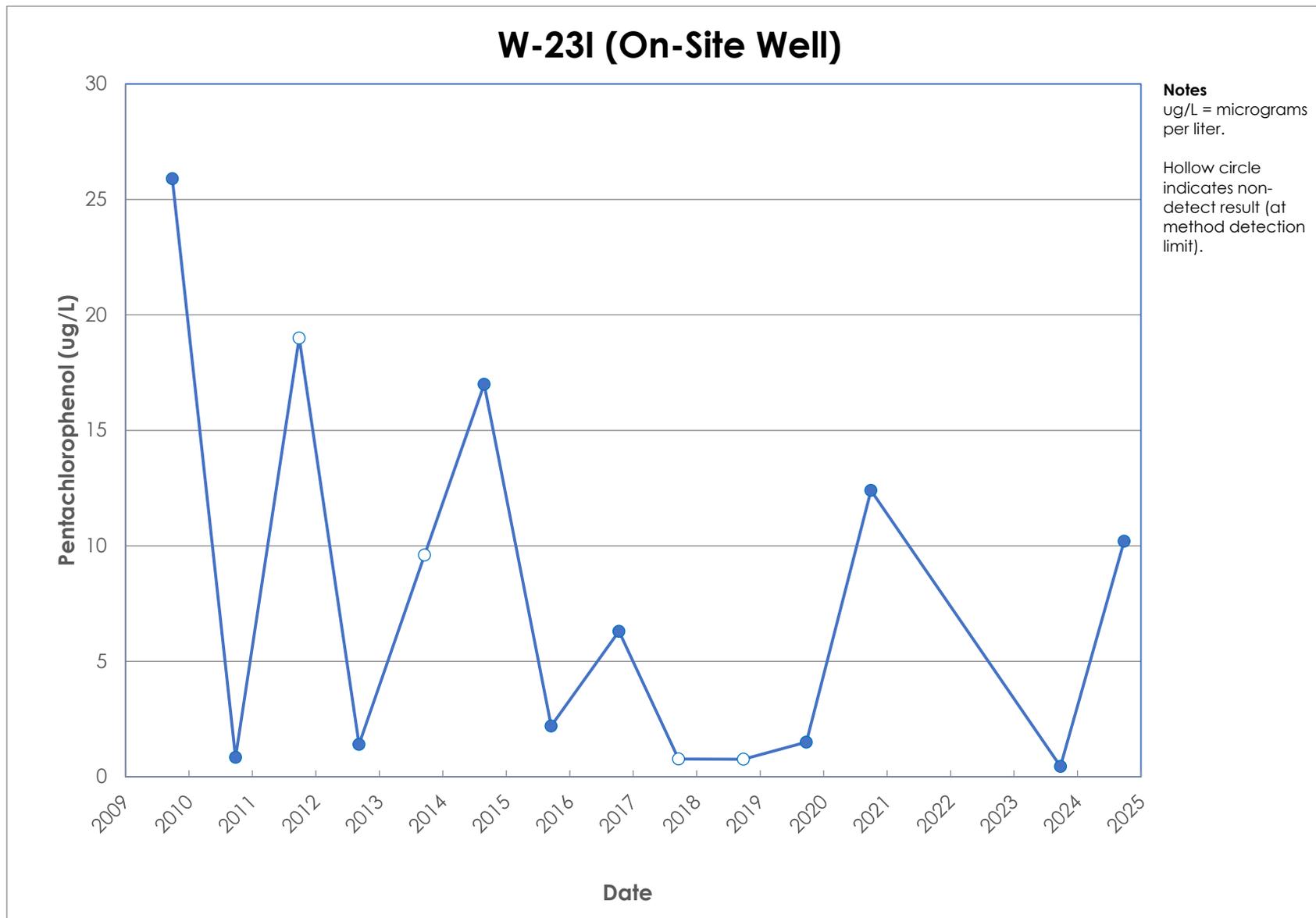


Figure C-7
Pentachlorophenol in Groundwater at W-13I

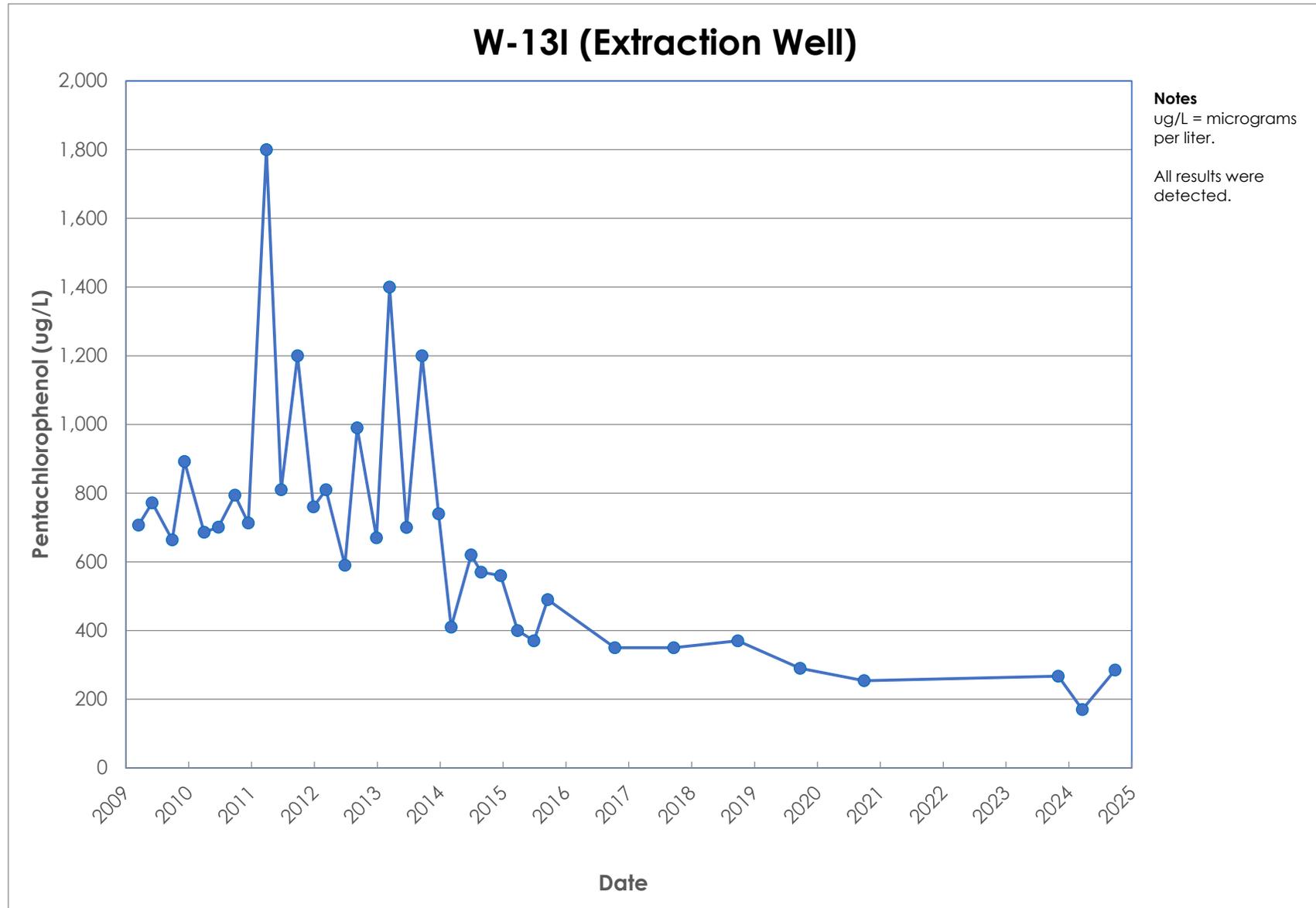


Figure C-8
Pentachlorophenol in Groundwater at W-13S

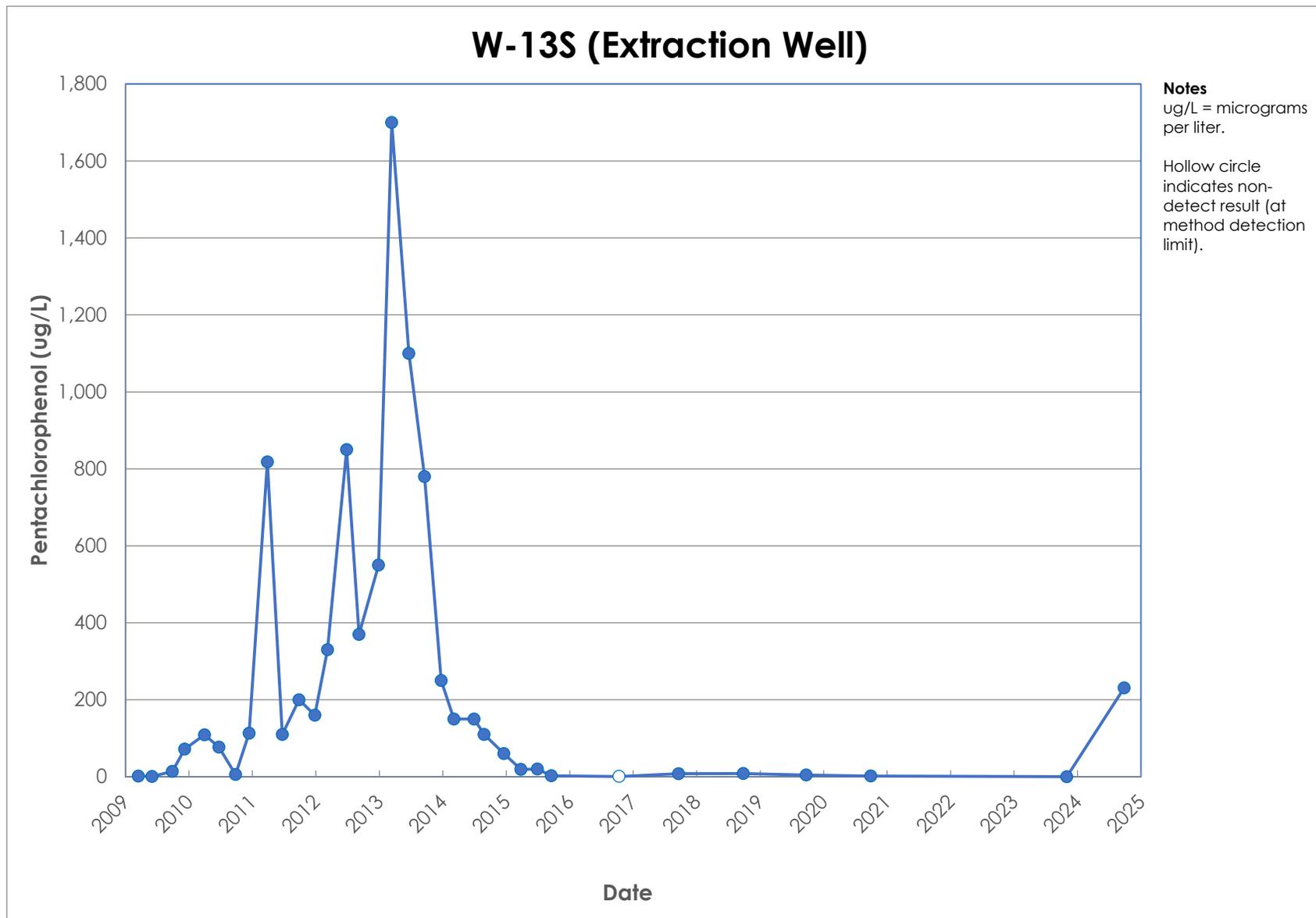


Figure C-9
Pentachlorophenol in Groundwater at W-20I

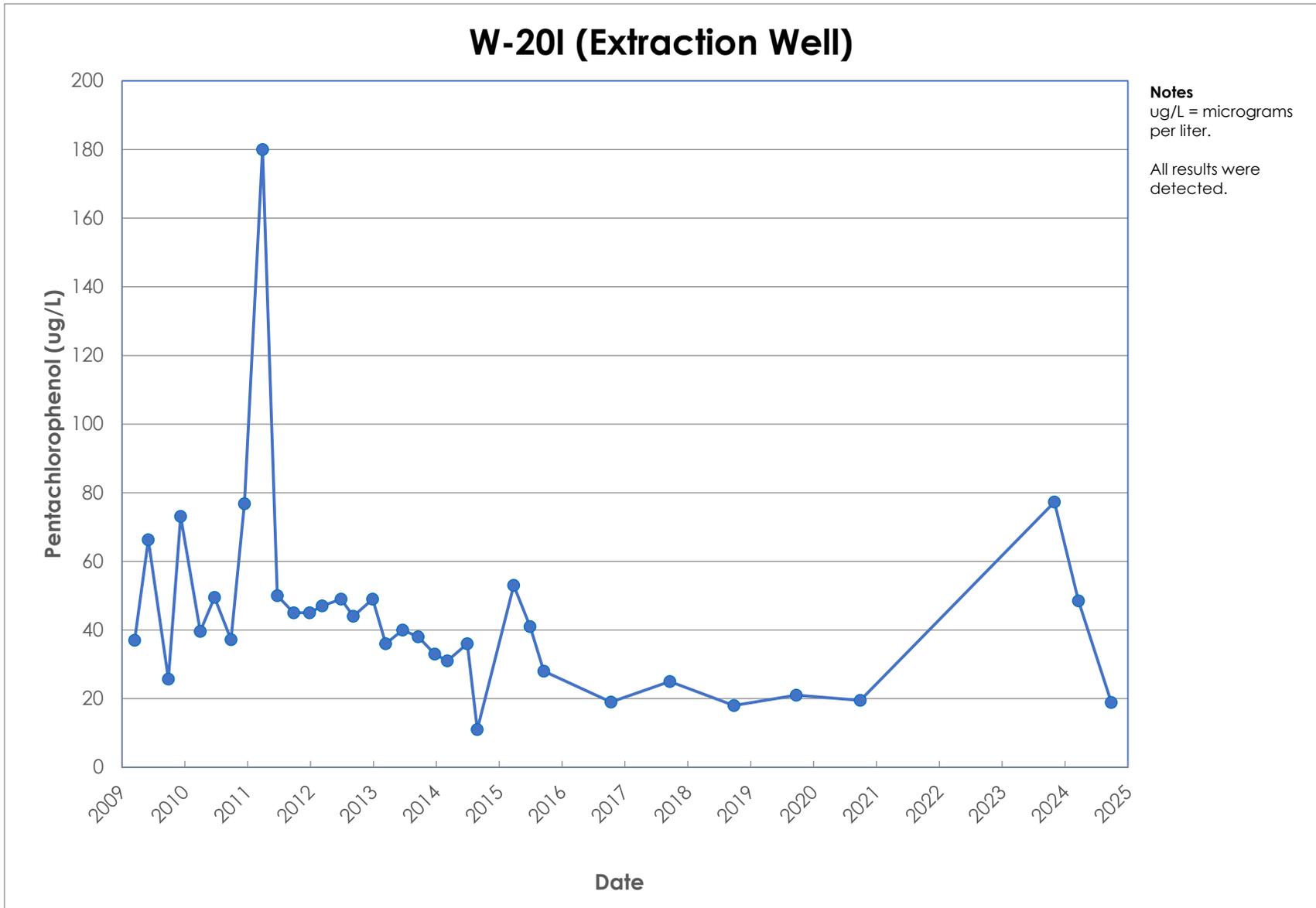


Figure C-10
Pentachlorophenol in Groundwater at W-17A(I)

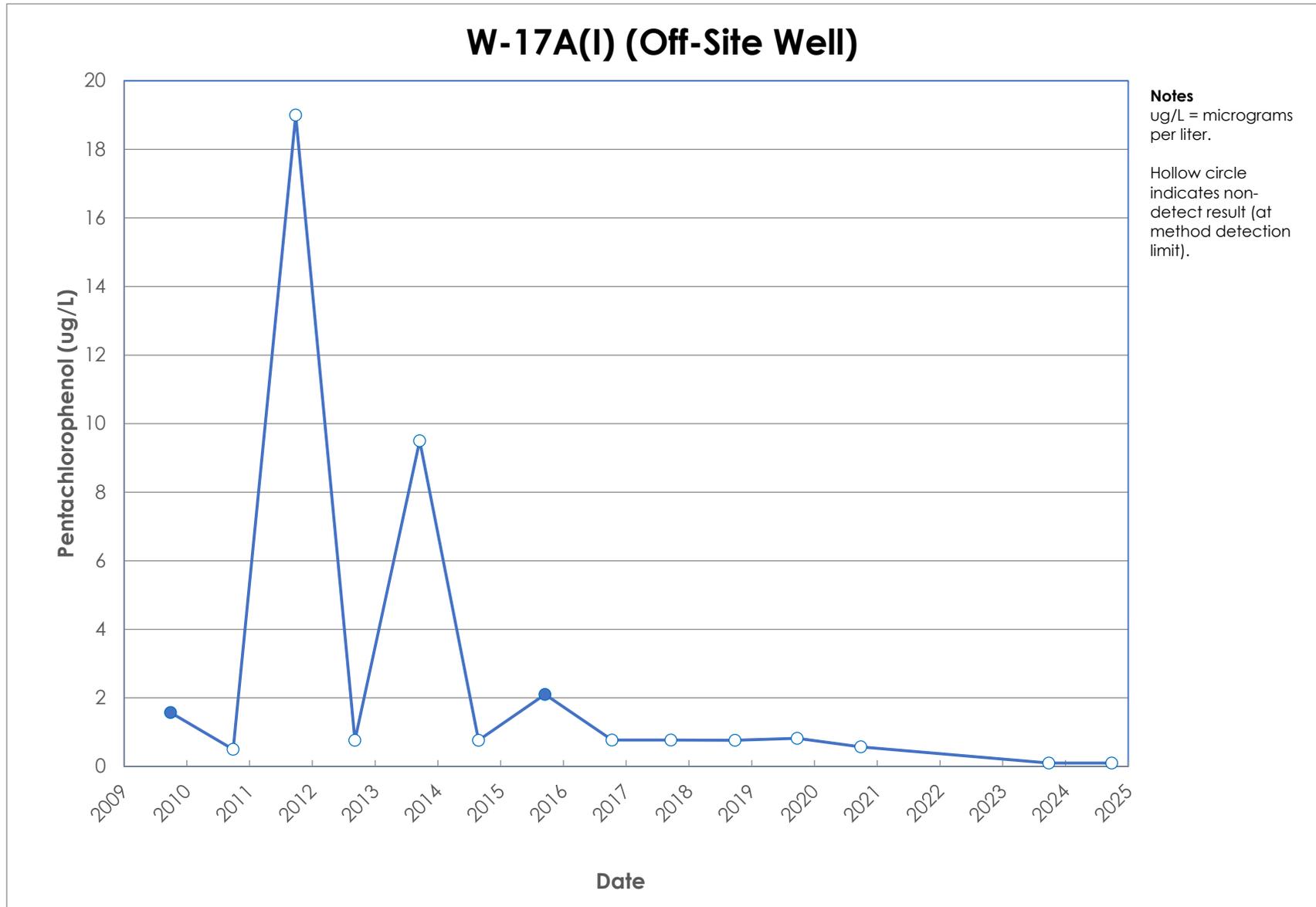


Figure C-11
Pentachlorophenol in Groundwater at W-17A(S)

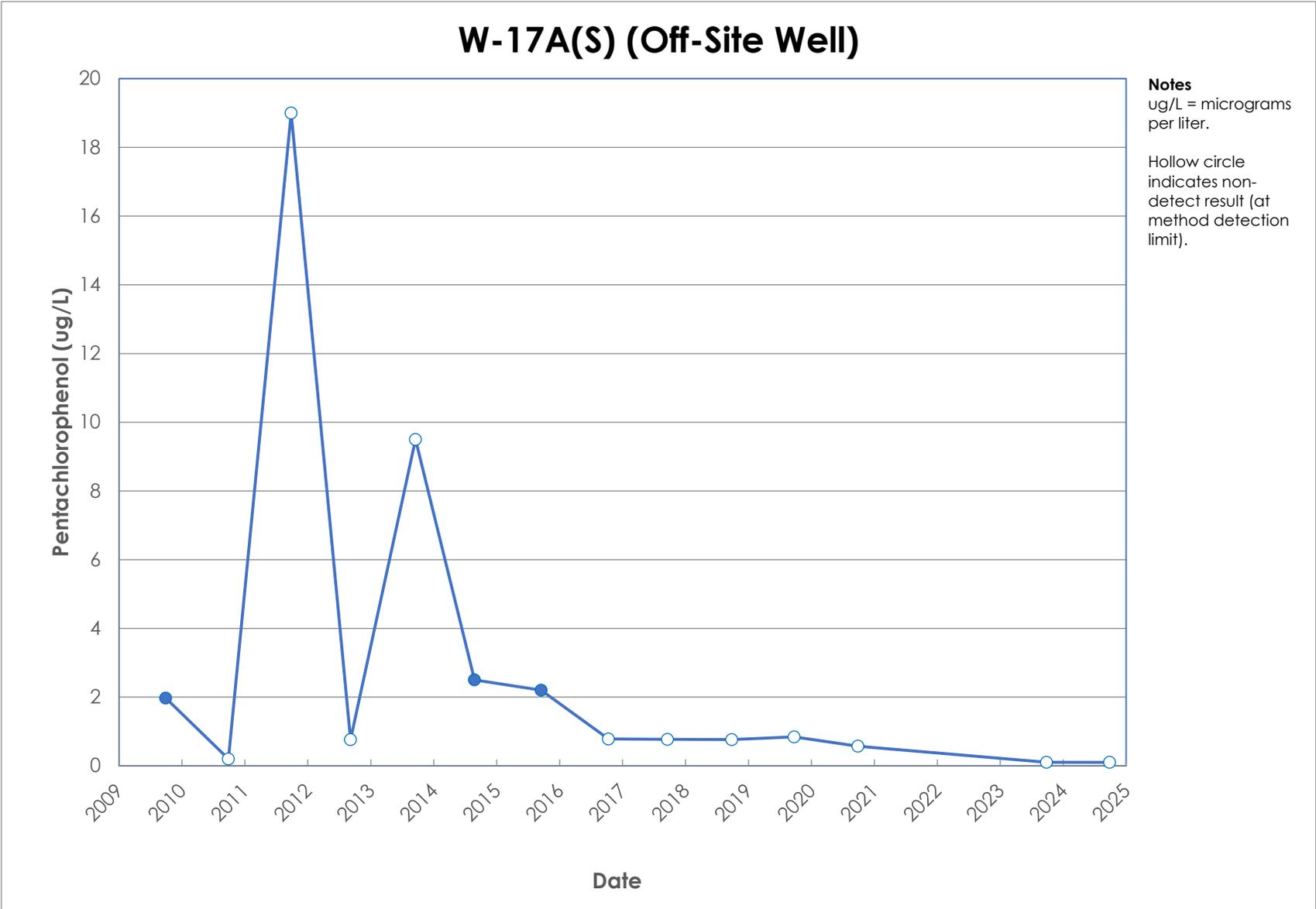


Figure C-12
Pentachlorophenol in Groundwater at W-24

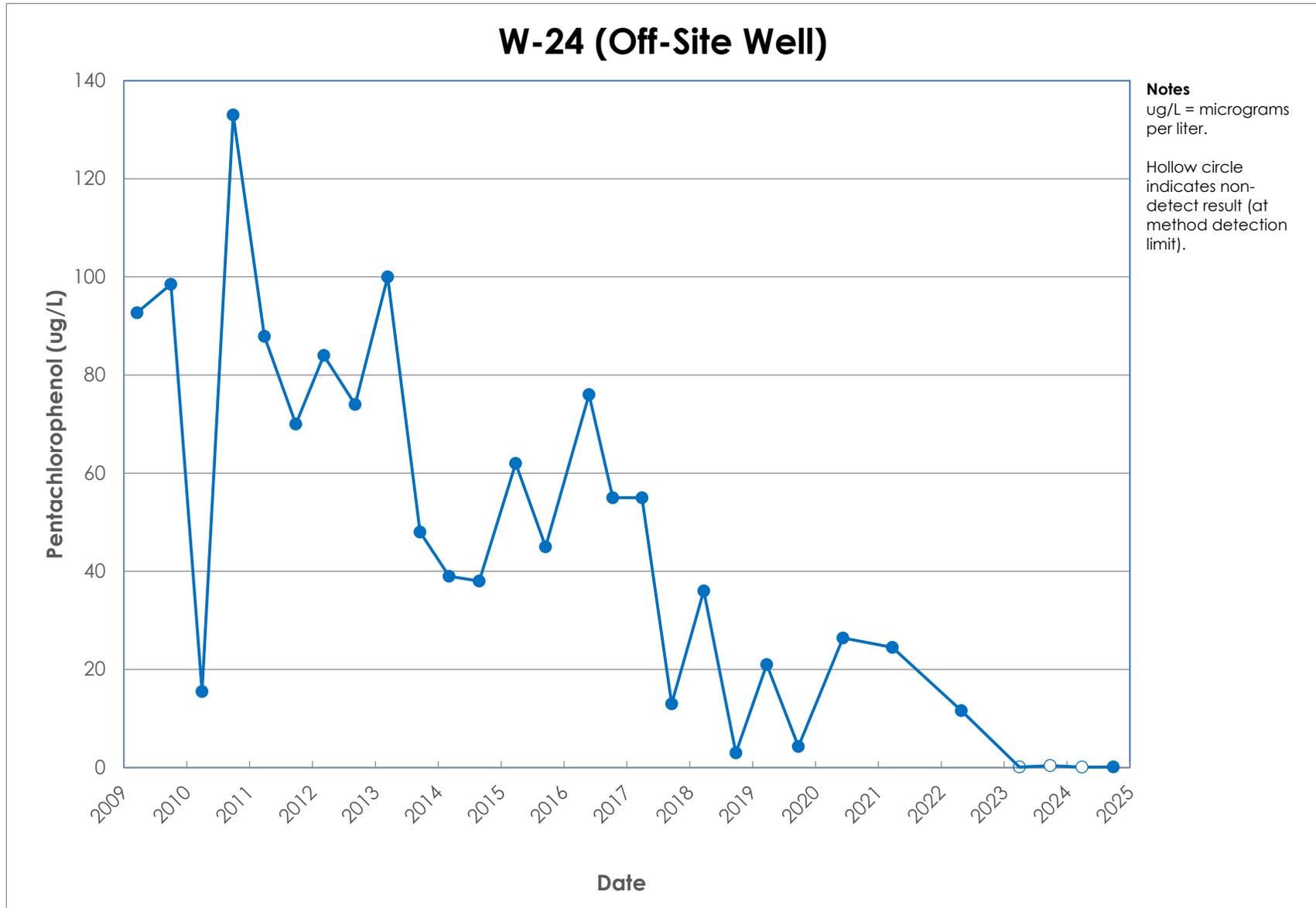


Figure C-13
Pentachlorophenol in Groundwater at W-25

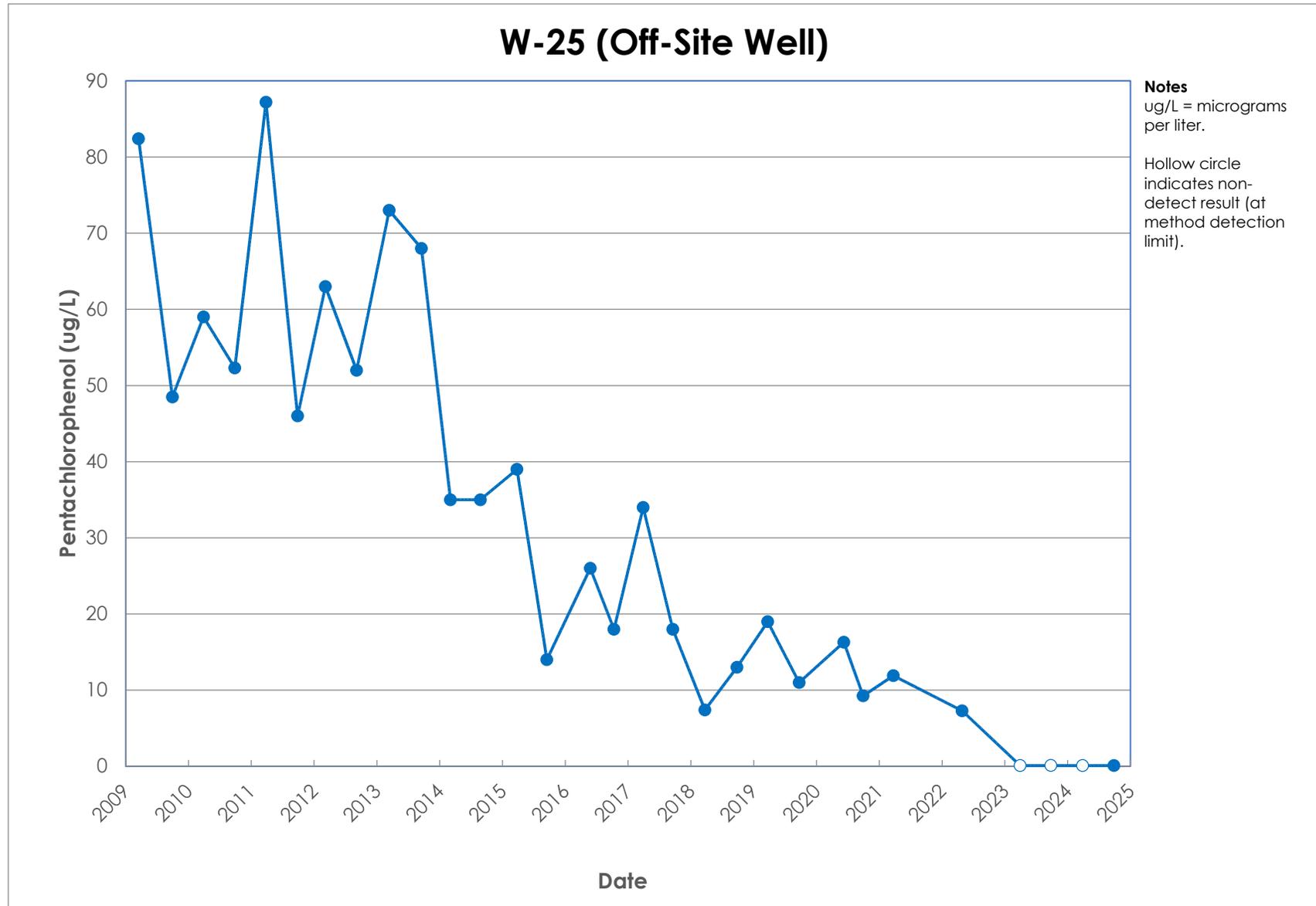


Figure C-14
Pentachlorophenol in Groundwater at W-26

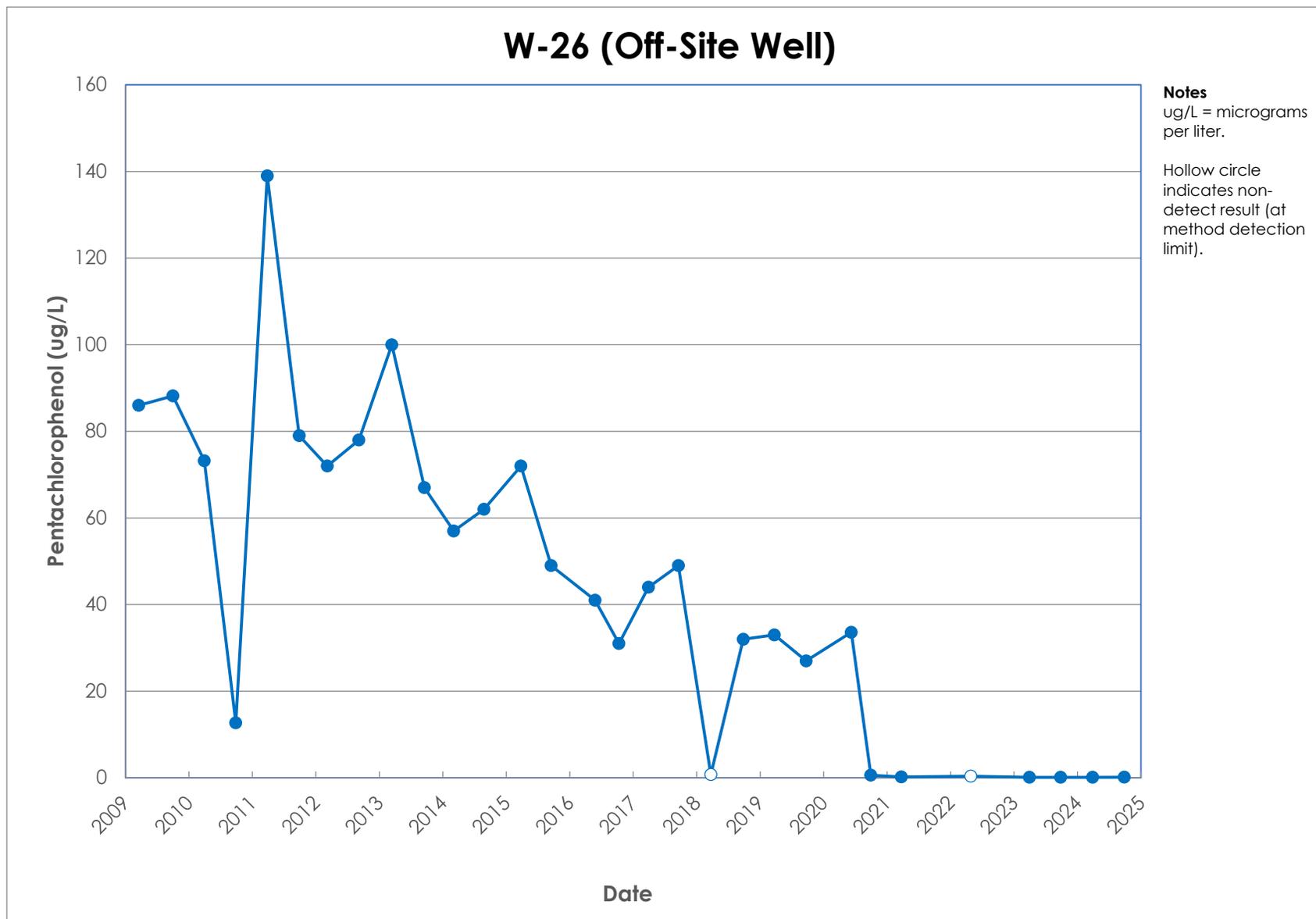


Figure C-15
Pentachlorophenol in Groundwater at W-29

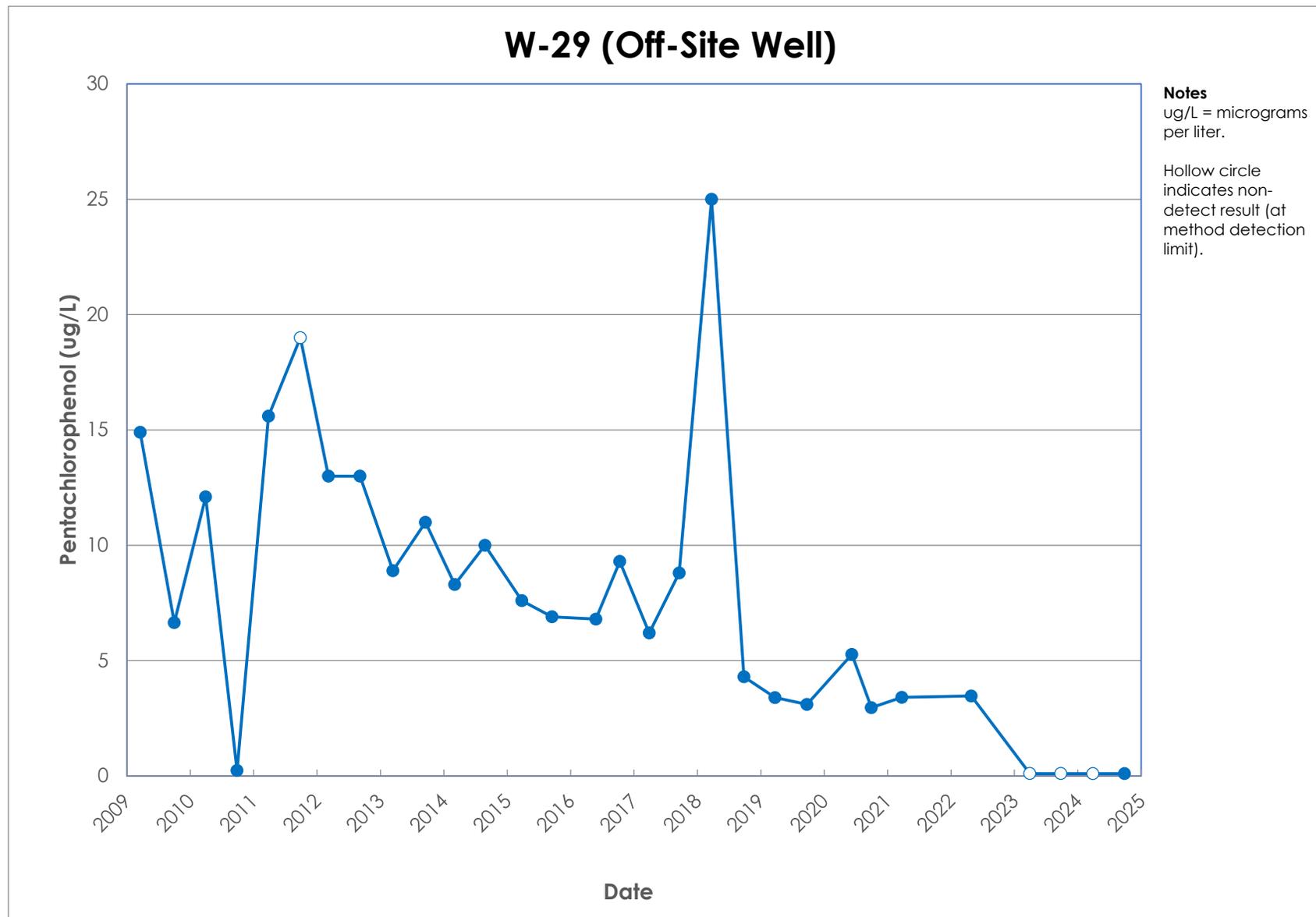


Figure C-16
Pentachlorophenol in Groundwater at W-32

