First Half 2024 Groundwater Monitoring Report

J.H Baxter & Co. Wood Treating Facility

Prepared for:

J.H. Baxter & Co.

October 2, 2024
Project No. M0461.03.007

Prepared by:

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MAUL FOSTER ALONGI

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J.H Baxter & Co. Wood Treating Facility

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

Maul Foster & Alongi, Inc.

Sean Maloney, GIT
Staff Geologist

EXPIRES: 6/1/2025
This digital seal certifies the signatory and document content.

David Weatherby, RG
Principal Geologist

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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
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 first 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, four were sampled in March 2024 for Site-related constituents in accordance 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 March 2024 monitoring event and the groundwater extraction data through June 2024.

2 Monitoring Activities

The groundwater monitoring event was conducted on March 27 and 28, 2024. Field activities, including groundwater level measurements and groundwater sampling, were completed by MFA staff and Baxter personnel. Wells were sampled using low-flow methods as described in the Revised Groundwater Monitoring Work Plan (Baxter, 2003). Samples were collected using 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 phenols by U.S. Environmental Protection Agency (EPA) Method 8270E.

Groundwater levels were measured at 41 wells and groundwater samples were collected from four wells. The laboratory report is presented in Appendix A and groundwater sampling forms are presented in Appendix B. On March 28, 2024, one field duplicate sample was collected at well W-24

and analyzed for phenols. The parent sample and field duplicate results were comparable, and no results required qualification.

3 Groundwater Elevations

Groundwater elevations are presented in Table 3-1. Groundwater elevation contours are presented in Figures 3-1 and 3-2, with the shallow zone contoured in Figure 3-1 and the intermediate zone contoured in Figure 3-2. The groundwater contours and gradients are similar to those from prior monitoring years.

4 Analytical Results

Groundwater samples for the March 2024 monitoring event at W-24, W-25, W-26, and W-29 were analyzed for phenols. The well locations are shown on 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

Onsite groundwater monitoring wells were not sampled during the March 2024 monitoring event.

4.2 Onsite Extraction Wells

Onsite extraction wells were not sampled during the March 2024 monitoring event.

4.3 Offsite Monitoring Wells

Only two chemicals were detected in the off-site monitoring wells sampled during the March 2024 monitoring event: PCP was detected only at W-26, and 3- & 4-methylphenol was detected in the primary sample at W-24, but not the duplicate sample. As shown on the trend plots in Appendix C, after 15 years of groundwater monitoring documenting elevated concentrations of PCP in groundwater at the off-site wells, PCP has not been detected at W-24, W-25, and W-29 for three consecutive sampling events (March 2023, September 2023, March 2024), and at W-26, the PCP concentration has been two to three orders of magnitude less than historical concentrations (now less than about 0.2 micrograms per liter) since March 2021.

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. Based on the results of the data quality review procedures described Appendix A, the data, with the appropriate final data qualifiers assigned, are considered acceptable for their intended use.

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 100 days, from January 1, 2024 to June 30, 2024. The estimated pumping rates and extracted constituent mass are presented in Table 5-1. The PCP mass was calculated using data for groundwater samples collected from W-13I and W-20I in March 2024 and a sample collected from W-13S in November 2023.

During the first half of 2024, about 7.2 million gallons of groundwater was extracted and sent through the treatment system. In the first half of 2024, approximately 4.09 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 1,724 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 Second-Half 2024 Activities

Semiannual groundwater monitoring for the second half of 2024 will be conducted in accordance with the Revised Monitoring Program May 2015 (Baxter, 2015).

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.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

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.

Hart Crowser. 2001. *Groundwater Monitoring Work Plan J.H. Baxter Wood Preserving Eugene Facility*. Hart Crowser, Inc. May 22.

Figures

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Figure 1-1
Site Vicinity Map

JH Baxter & Co, Inc.
Eugene, OR

Legend

- Property Boundary
- Tax Lot

0 400
Feet

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

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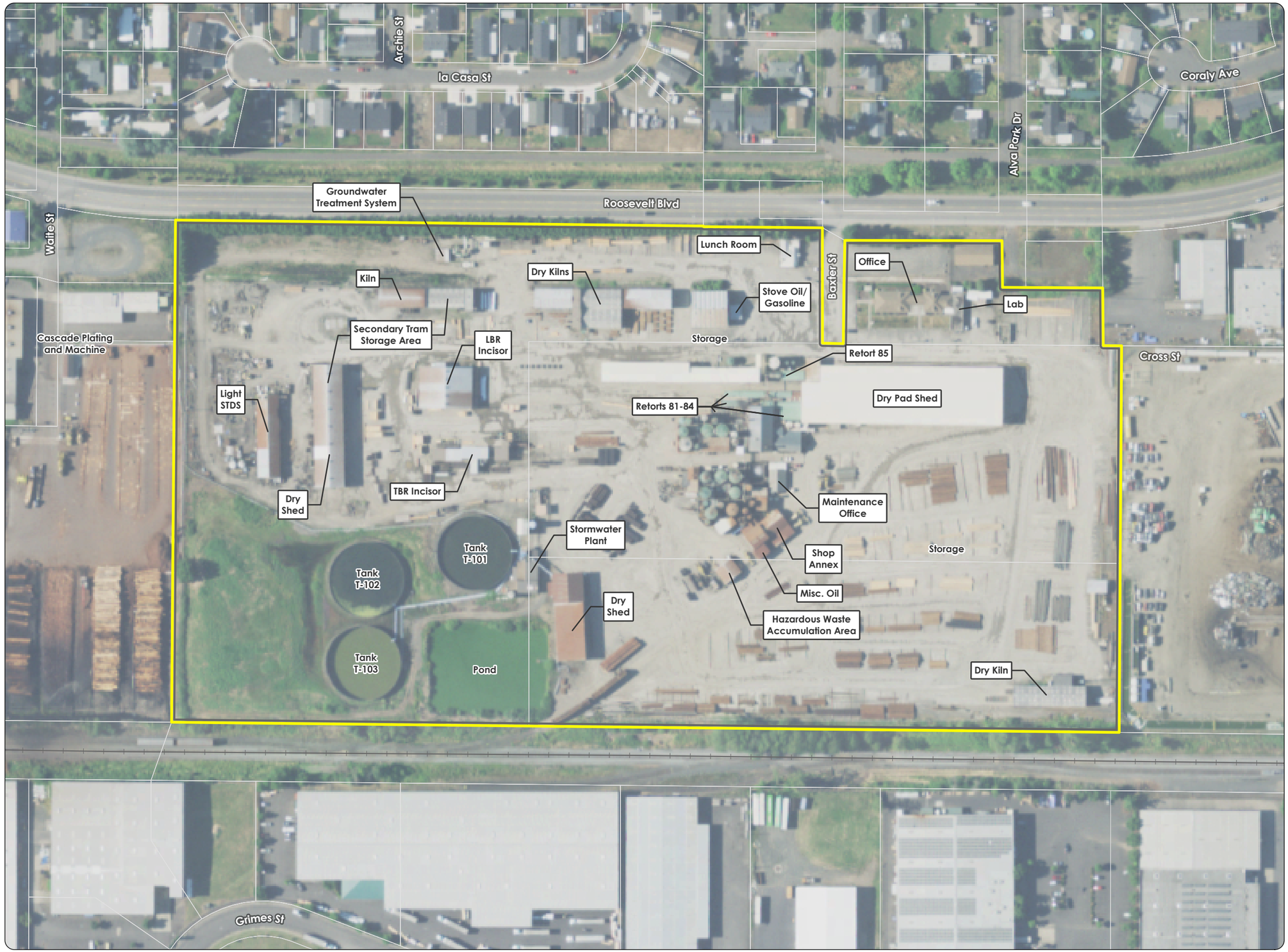
Print Date: 8/4/2023
Reviewed By: dweatherby
Produced By: sturner
Project: M0461.03.007

Figure 1-2
Site Detail Map

JH Baxter & Co, Inc.
Eugene, OR



Legend

- Property Boundary
- Tax Lot

0 200
Feet

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

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Reviewed By: dweatherby
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Project: M0461.03.007

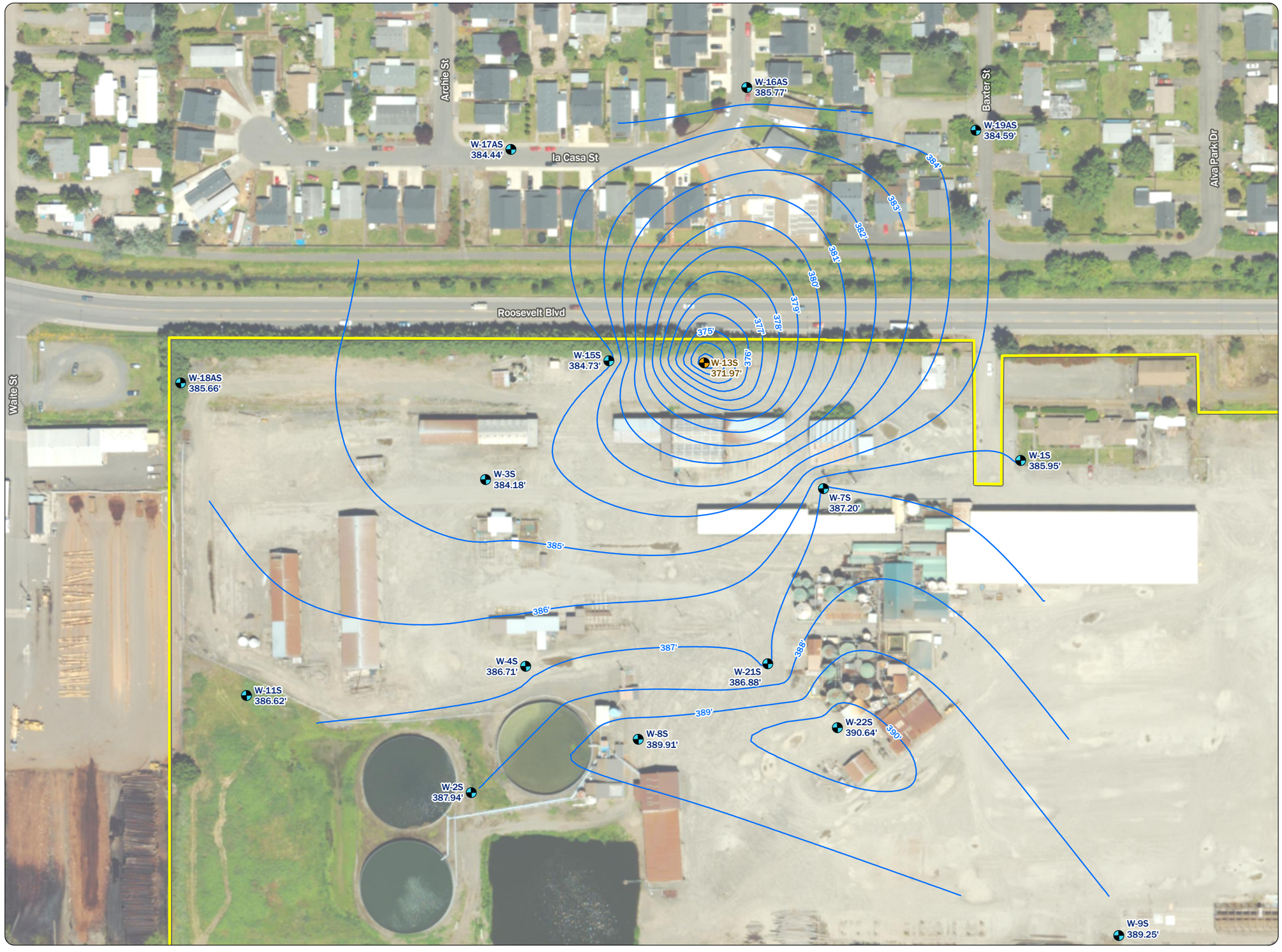

Figure 3-1
Shallow Zone Groundwater Elevation March 2024

JH Baxter & Co, Inc.
Eugene, OR

Legend

- Monitoring Well
- Extraction Well
- Groundwater Elevation Contour (1-foot, amsl)
- Property Boundary

Notes

Water levels were measured on March 28, 2024.
amsl = above mean sea level.

0 100
Feet

Data Sources

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

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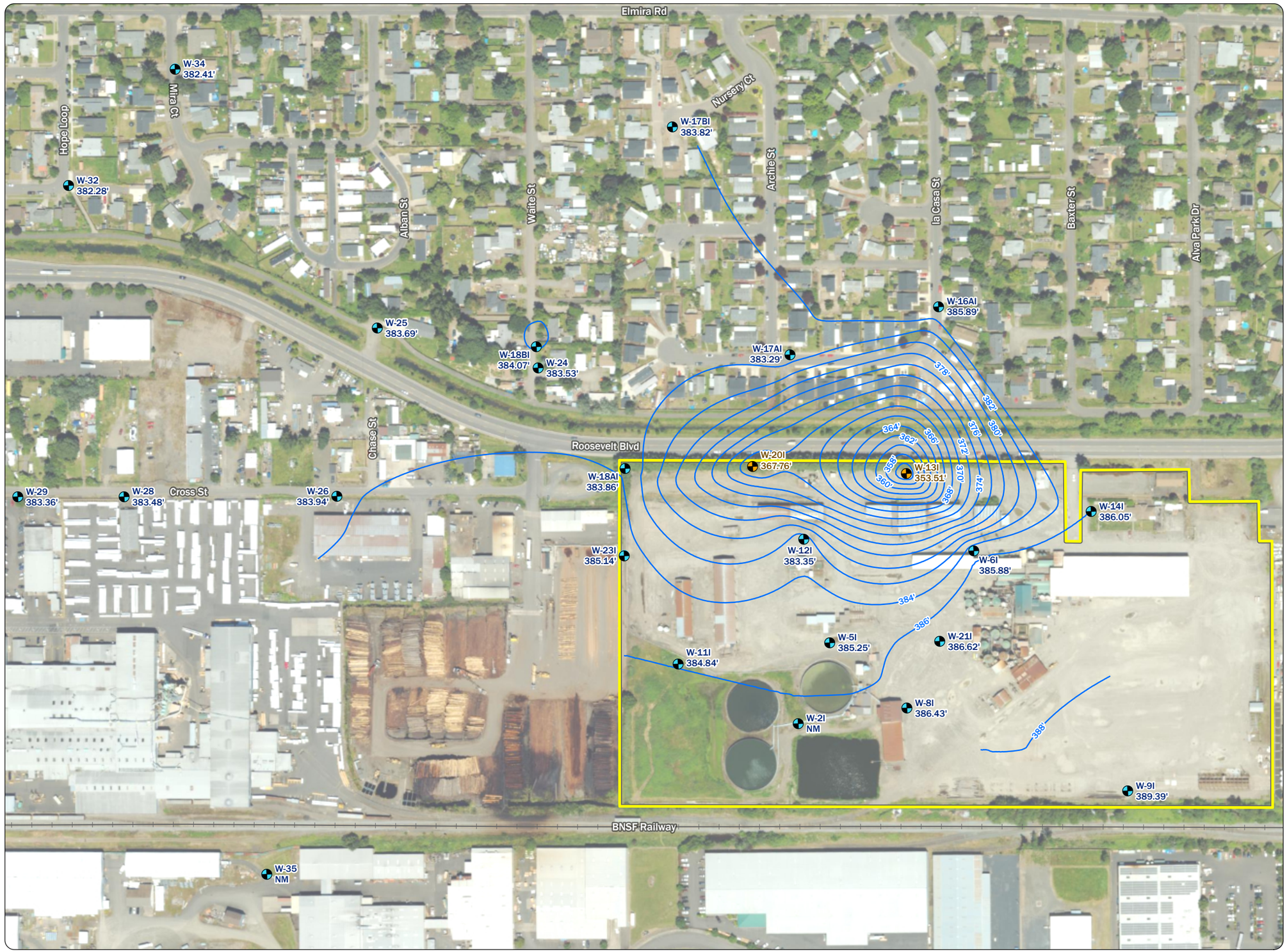
Path: X:\0461_03_JH_Baxter\007\Pro\M0461_03_007_004.aprx\Fig 3-1 Shallow Zone GWE 202403
Print Date: 10/2/2024
Reviewed By: smalonay
Produced By: stumer
Project: M0461.03.007

Figure 3-2
Intermediate Zone Groundwater Elevation March 2024

JH Baxter & Co, Inc.
Eugene, OR



Legend

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

Notes
Water levels were measured on March 28, 2024.
amsl = above mean sea level.
NM = not measured.

0 250
Feet

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

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Path: X:\0461.03_JH_Baxter\007\Pro\M0461_03_007_004.aprx\Fig 3-2 Intermediate Zone GWE 202403
Print Date: 10/2/2024
Reviewed By: smaloney
Produced By: stumer
Project: M0461.03.007

Tables

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

Well ID	Top of Casing Elevation (ft amsl)	Depth to Well Bottom (ft)	Depth to Water (ft)	Groundwater Elevation (ft amsl)
			03/28/2024	
W-1S	395.91	29	9.96	385.95
W-2S	393.16	28	5.22	387.94
W-2I	394.23	82	--	--
W-3S	395.01	33	10.83	384.18
W-4S	396.56	22	9.85	386.71
W-5I	396.71	76	11.46	385.25
W-6I	397.77	70	11.89	385.88
W-7S	397.66	20	10.46	387.20
W-8S	395.90	20	5.99	389.91
W-8I	393.66	82	7.23	386.43
W-9S	396.45	25	7.20	389.25
W-9I	396.19	67	6.80	389.39
W-11S	394.17	25	7.55	386.62
W-11I	394.17	83	9.33	384.84
W-12I	395.62	79	12.27	383.35
W-12D	395.54	134	12.34	383.20
W-13S	396.71	29	24.74	371.97
W-13I	396.15	71	42.64	353.51
W-13D	396.40	134	13.17	383.23
W-14I	395.60	78	9.55	386.05
W-15S	396.62	28	11.89	384.73
W-16AS	391.86	25	6.09	385.77
W-16AI	391.86	82	5.97	385.89
W-17AS	390.29	24	5.85	384.44
W-17AI	390.80	87	7.51	383.29
W-17BI	392.08	85	8.26	383.82
W-18AS	392.84	25	7.18	385.66
W-18AI	393.70	87	9.84	383.86
W-18BI	391.98	89	7.91	384.07
W-19AS	393.82	24	9.23	384.59
W-20I	397.10	85	29.34	367.76
W-21S	393.80	17	6.92	386.88
W-21I	393.80	81	7.18	386.62
W-22S	396.72	19	6.08	390.64
W-23I	396.16	56	11.02	385.14
W-24	391.64	65	8.11	383.53
W-25	389.92	64	6.23	383.69
W-26	390.14	79	6.20	383.94
W-28	390.01	84	6.53	383.48
W-29	388.56	75	5.20	383.36
W-32	388.35	74	6.07	382.28
W-34	389.17	76	6.76	382.41

Notes

-- = Not measured.

ft = feet.

ft amsl = feet above mean sea level.

Table 4-1
First Half 2024 Groundwater Analytical Results
J.H. Baxter Co Wood Treating Facility
Eugene, Oregon

Well Location:	Offsite Monitoring Wells				
Well ID:	W-24		W-25	W-26	W-29
Sample Name:	W24-GW-0328	W24-0328-DUP	W25-GW-0328	W26-GW-0328	W29-GW-0328
Collection Date:	03/28/2024	03/28/2024	03/28/2024	03/28/2024	03/28/2024
Phenols (ug/L)					
2,3,4,6-Tetrachlorophenol	0.05 U	0.0472 U	0.0485 U	0.049 U	0.05 U
2,3,5,6-Tetrachlorophenol	0.05 U	0.0472 U	0.0485 U	0.049 U	0.05 U
2,4,5-Trichlorophenol	0.05 U	0.0472 U	0.0485 U	0.049 U	0.05 U
2,4,6-Trichlorophenol	0.05 U	0.0472 U	0.0485 U	0.049 U	0.05 U
2,4-Dichlorophenol	0.05 U	0.0472 U	0.0485 U	0.049 U	0.05 U
2,4-Dimethylphenol	0.25 U	0.236 U	0.243 U	0.245 U	0.25 U
2,4-Dinitrophenol	0.25 U	0.236 U	0.243 U	0.245 U	0.25 U
2-Chlorophenol	0.05 U	0.0472 U	0.0485 U	0.049 U	0.05 U
2-Methylphenol	0.025 U	0.0236 U	0.0243 U	0.0245 U	0.025 U
2-Nitrophenol	0.1 U	0.0943 U	0.0971 U	0.098 U	0.1 U
3- & 4-Methylphenol	0.0483 J	0.0236 U	0.0243 U	0.0245 U	0.025 U
4,6-Dinitro-2-methylphenol	0.25 U	0.236 U	0.243 U	0.245 U	0.25 U
4-Chloro-3-methylphenol	0.1 U	0.0943 U	0.0971 U	0.098 U	0.1 U
4-Nitrophenol	0.1 U	0.0943 U	0.0971 U	0.098 U	0.1 U
Pentachlorophenol	0.1 U	0.0943 U	0.0971 U	0.112 J	0.1 U
Phenol	0.2 U	0.189 U	0.194 U	0.196 U	0.2 U

Notes

ID = identification.

J = result is estimated.

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

ug/L = micrograms per liter.

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-Jun-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	--	--
Cumulative Amounts	**10,428**	**~35**	**500,565,600**				**253.74**	**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-Jun-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	--	--
Cumulative Amounts	**10,494**	**5**	**76,276,800**				**650.89**	**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-Jun-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	--	--
Cumulative Amounts	**10,431**	**10**	**158,493,600**				**819.73**	**2.04**	**0.27**
TOTALS	**31,353**	**--**	**735,336,000**	**--**	**--**	**--**	**1,724**	**4.4**	**3.6**

Notes

-- = data not available or not applicable.

gpm = gallons per minute.

PAHs = polycyclic aromatic hydrocarbons.

Metals = total arsenic, total chromium, total copper, and total zinc.

µg/L = micrograms per liter.

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 Report and Data Validation Memorandum

MAUL FOSTER ALONGI

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

ANALYTICAL REPORT

Thursday, April 11, 2024

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

RE: A4C1799 - 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 A4C1799, which was received by the laboratory on 3/28/2024 at 5:22:00PM.

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.

Cooler Receipt Information
Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.
(See Cooler Receipt Form for details)
Default Cooler 2.3 degC

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

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.

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

ANALYTICAL REPORT

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**	**A4C1799 - 04 11 24 2101**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W24-GW-0328	A4C1799-01	Water	03/28/24 13:50	03/28/24 17:22
W24-0328-DUP	A4C1799-02	Water	03/28/24 13:50	03/28/24 17:22
W26-GW-0328	A4C1799-03	Water	03/28/24 11:45	03/28/24 17:22
W29-GW-0328	A4C1799-04	Water	03/28/24 12:45	03/28/24 17:22
W25-GW-0328	A4C1799-05	Water	03/28/24 10:30	03/28/24 17:22

Apex Laboratories

Philip Nerenberg

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.

APEX LABORATORIES

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

ANALYTICAL REPORT

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**	**A4C1799 - 04 11 24 2101**

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
W24-GW-0328 (A4C1799-01)				**Matrix: Water**		**Batch: 24D0168**		
2-Chlorophenol	ND	0.0500	0.100	ug/L	1	04/09/24 15:32	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.100	0.200	ug/L	1	04/09/24 15:32	EPA 8270E	
2,4-Dichlorophenol	ND	0.0500	0.100	ug/L	1	04/09/24 15:32	EPA 8270E	
2,4-Dimethylphenol	ND	0.250	0.500	ug/L	1	04/09/24 15:32	EPA 8270E	
2,4-Dinitrophenol	ND	0.250	0.500	ug/L	1	04/09/24 15:32	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	0.250	0.500	ug/L	1	04/09/24 15:32	EPA 8270E	
2-Methylphenol	ND	0.0250	0.0500	ug/L	1	04/09/24 15:32	EPA 8270E	
3+4-Methylphenol(s)	**0.0483**	0.0250	0.0500	ug/L	1	04/09/24 15:32	EPA 8270E	**J**
2-Nitrophenol	ND	0.100	0.200	ug/L	1	04/09/24 15:32	EPA 8270E	
4-Nitrophenol	ND	0.100	0.200	ug/L	1	04/09/24 15:32	EPA 8270E	
Pentachlorophenol (PCP)	ND	0.100	0.200	ug/L	1	04/09/24 15:32	EPA 8270E	
Phenol	ND	0.200	0.400	ug/L	1	04/09/24 15:32	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	0.0500	0.100	ug/L	1	04/09/24 15:32	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.0500	0.100	ug/L	1	04/09/24 15:32	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0500	0.100	ug/L	1	04/09/24 15:32	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0500	0.100	ug/L	1	04/09/24 15:32	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*59 %*	*Limits: 44-120 %*	*1*	*04/09/24 15:32*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*60 %*	*44-120 %*	*1*	*04/09/24 15:32*	*EPA 8270E*	
Phenol-d6 (Surr)			*24 %*	*10-133 %*	*1*	*04/09/24 15:32*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*77 %*	*50-134 %*	*1*	*04/09/24 15:32*	*EPA 8270E*	
2-Fluorophenol (Surr)			*34 %*	*19-120 %*	*1*	*04/09/24 15:32*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*93 %*	*43-140 %*	*1*	*04/09/24 15:32*	*EPA 8270E*	
W24-0328-DUP (A4C1799-02)				**Matrix: Water**		**Batch: 24D0168**		
2-Chlorophenol	ND	0.0472	0.0943	ug/L	1	04/09/24 16:07	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.0943	0.189	ug/L	1	04/09/24 16:07	EPA 8270E	
2,4-Dichlorophenol	ND	0.0472	0.0943	ug/L	1	04/09/24 16:07	EPA 8270E	
2,4-Dimethylphenol	ND	0.236	0.472	ug/L	1	04/09/24 16:07	EPA 8270E	
2,4-Dinitrophenol	ND	0.236	0.472	ug/L	1	04/09/24 16:07	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	0.236	0.472	ug/L	1	04/09/24 16:07	EPA 8270E	
2-Methylphenol	ND	0.0236	0.0472	ug/L	1	04/09/24 16:07	EPA 8270E	
3+4-Methylphenol(s)	ND	0.0236	0.0472	ug/L	1	04/09/24 16:07	EPA 8270E	
2-Nitrophenol	ND	0.0943	0.189	ug/L	1	04/09/24 16:07	EPA 8270E	
4-Nitrophenol	ND	0.0943	0.189	ug/L	1	04/09/24 16:07	EPA 8270E	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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APEX LABORATORIES

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

ANALYTICAL REPORT

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**	**A4C1799 - 04 11 24 2101**

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
W24-0328-DUP (A4C1799-02)				**Matrix: Water**		**Batch: 24D0168**		
Pentachlorophenol (PCP)	ND	0.0943	0.189	ug/L	1	04/09/24 16:07	EPA 8270E	
Phenol	ND	0.189	0.377	ug/L	1	04/09/24 16:07	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	0.0472	0.0943	ug/L	1	04/09/24 16:07	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.0472	0.0943	ug/L	1	04/09/24 16:07	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0472	0.0943	ug/L	1	04/09/24 16:07	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0472	0.0943	ug/L	1	04/09/24 16:07	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*53 %*	*Limits: 44-120 %*	*1*	*04/09/24 16:07*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*52 %*	*44-120 %*	*1*	*04/09/24 16:07*	*EPA 8270E*	
Phenol-d6 (Surr)			*21 %*	*10-133 %*	*1*	*04/09/24 16:07*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*72 %*	*50-134 %*	*1*	*04/09/24 16:07*	*EPA 8270E*	
2-Fluorophenol (Surr)			*31 %*	*19-120 %*	*1*	*04/09/24 16:07*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*90 %*	*43-140 %*	*1*	*04/09/24 16:07*	*EPA 8270E*	
W26-GW-0328 (A4C1799-03RE1)				**Matrix: Water**		**Batch: 24D0168**		
2-Chlorophenol	ND	0.0490	0.0980	ug/L	1	04/09/24 16:43	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.0980	0.196	ug/L	1	04/09/24 16:43	EPA 8270E	
2,4-Dichlorophenol	ND	0.0490	0.0980	ug/L	1	04/09/24 16:43	EPA 8270E	
2,4-Dimethylphenol	ND	0.245	0.490	ug/L	1	04/09/24 16:43	EPA 8270E	
2,4-Dinitrophenol	ND	0.245	0.490	ug/L	1	04/09/24 16:43	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	0.245	0.490	ug/L	1	04/09/24 16:43	EPA 8270E	
2-Methylphenol	ND	0.0245	0.0490	ug/L	1	04/09/24 16:43	EPA 8270E	
3+4-Methylphenol(s)	ND	0.0245	0.0490	ug/L	1	04/09/24 16:43	EPA 8270E	
2-Nitrophenol	ND	0.0980	0.196	ug/L	1	04/09/24 16:43	EPA 8270E	
4-Nitrophenol	ND	0.0980	0.196	ug/L	1	04/09/24 16:43	EPA 8270E	
Pentachlorophenol (PCP)	**0.112**	0.0980	0.196	ug/L	1	04/09/24 16:43	EPA 8270E	**J**
Phenol	ND	0.196	0.392	ug/L	1	04/09/24 16:43	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	0.0490	0.0980	ug/L	1	04/09/24 16:43	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.0490	0.0980	ug/L	1	04/09/24 16:43	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0490	0.0980	ug/L	1	04/09/24 16:43	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0490	0.0980	ug/L	1	04/09/24 16:43	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*59 %*	*Limits: 44-120 %*	*1*	*04/09/24 16:43*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*51 %*	*44-120 %*	*1*	*04/09/24 16:43*	*EPA 8270E*	
Phenol-d6 (Surr)			*22 %*	*10-133 %*	*1*	*04/09/24 16:43*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*77 %*	*50-134 %*	*1*	*04/09/24 16:43*	*EPA 8270E*	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Laboratories, LLC
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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

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	A4C1799 - 04 11 24 2101

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
W26-GW-0328 (A4C1799-03RE1)				**Matrix: Water**		**Batch: 24D0168**		
Surrogate: 2-Fluorophenol (Surr)			*Recovery: 33 %*	*Limits: 19-120 %*	*1*	*04/09/24 16:43*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*85 %*	*43-140 %*	*1*	*04/09/24 16:43*	*EPA 8270E*	
W29-GW-0328 (A4C1799-04)				**Matrix: Water**		**Batch: 24D0168**		
2-Chlorophenol	ND	0.0500	0.100	ug/L	1	04/09/24 17:19	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.100	0.200	ug/L	1	04/09/24 17:19	EPA 8270E	
2,4-Dichlorophenol	ND	0.0500	0.100	ug/L	1	04/09/24 17:19	EPA 8270E	
2,4-Dimethylphenol	ND	0.250	0.500	ug/L	1	04/09/24 17:19	EPA 8270E	
2,4-Dinitrophenol	ND	0.250	0.500	ug/L	1	04/09/24 17:19	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	0.250	0.500	ug/L	1	04/09/24 17:19	EPA 8270E	
2-Methylphenol	ND	0.0250	0.0500	ug/L	1	04/09/24 17:19	EPA 8270E	
3+4-Methylphenol(s)	ND	0.0250	0.0500	ug/L	1	04/09/24 17:19	EPA 8270E	
2-Nitrophenol	ND	0.100	0.200	ug/L	1	04/09/24 17:19	EPA 8270E	
4-Nitrophenol	ND	0.100	0.200	ug/L	1	04/09/24 17:19	EPA 8270E	
Pentachlorophenol (PCP)	ND	0.100	0.200	ug/L	1	04/09/24 17:19	EPA 8270E	
Phenol	ND	0.200	0.400	ug/L	1	04/09/24 17:19	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	0.0500	0.100	ug/L	1	04/09/24 17:19	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.0500	0.100	ug/L	1	04/09/24 17:19	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0500	0.100	ug/L	1	04/09/24 17:19	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0500	0.100	ug/L	1	04/09/24 17:19	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)			*Recovery: 52 %*	*Limits: 44-120 %*	*1*	*04/09/24 17:19*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*47 %*	*44-120 %*	*1*	*04/09/24 17:19*	*EPA 8270E*	
Phenol-d6 (Surr)			*20 %*	*10-133 %*	*1*	*04/09/24 17:19*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*71 %*	*50-134 %*	*1*	*04/09/24 17:19*	*EPA 8270E*	
2-Fluorophenol (Surr)			*31 %*	*19-120 %*	*1*	*04/09/24 17:19*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*80 %*	*43-140 %*	*1*	*04/09/24 17:19*	*EPA 8270E*	
W25-GW-0328 (A4C1799-05)				**Matrix: Water**		**Batch: 24D0168**		
2-Chlorophenol	ND	0.0485	0.0971	ug/L	1	04/09/24 17:54	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.0971	0.194	ug/L	1	04/09/24 17:54	EPA 8270E	
2,4-Dichlorophenol	ND	0.0485	0.0971	ug/L	1	04/09/24 17:54	EPA 8270E	
2,4-Dimethylphenol	ND	0.243	0.485	ug/L	1	04/09/24 17:54	EPA 8270E	
2,4-Dinitrophenol	ND	0.243	0.485	ug/L	1	04/09/24 17:54	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	0.243	0.485	ug/L	1	04/09/24 17:54	EPA 8270E	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

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**	**A4C1799 - 04 11 24 2101**

ANALYTICAL SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
W25-GW-0328 (A4C1799-05)				**Matrix: Water**		**Batch: 24D0168**		
2-Methylphenol	ND	0.0243	0.0485	ug/L	1	04/09/24 17:54	EPA 8270E	
3+4-Methylphenol(s)	ND	0.0243	0.0485	ug/L	1	04/09/24 17:54	EPA 8270E	
2-Nitrophenol	ND	0.0971	0.194	ug/L	1	04/09/24 17:54	EPA 8270E	
4-Nitrophenol	ND	0.0971	0.194	ug/L	1	04/09/24 17:54	EPA 8270E	
Pentachlorophenol (PCP)	ND	0.0971	0.194	ug/L	1	04/09/24 17:54	EPA 8270E	
Phenol	ND	0.194	0.388	ug/L	1	04/09/24 17:54	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	0.0485	0.0971	ug/L	1	04/09/24 17:54	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.0485	0.0971	ug/L	1	04/09/24 17:54	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0485	0.0971	ug/L	1	04/09/24 17:54	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0485	0.0971	ug/L	1	04/09/24 17:54	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*49 %*	*Limits: 44-120 %*	*1*	*04/09/24 17:54*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*45 %*	*44-120 %*	*1*	*04/09/24 17:54*	*EPA 8270E*	
Phenol-d6 (Surr)			*18 %*	*10-133 %*	*1*	*04/09/24 17:54*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*72 %*	*50-134 %*	*1*	*04/09/24 17:54*	*EPA 8270E*	
2-Fluorophenol (Surr)			*27 %*	*19-120 %*	*1*	*04/09/24 17:54*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*73 %*	*43-140 %*	*1*	*04/09/24 17:54*	*EPA 8270E*	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

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	A4C1799 - 04 11 24 2101

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 24D0168 - EPA 3510C (Acid Extraction)									Water			
Blank (24D0168-BLK1)			Prepared: 04/04/24 05:56 Analyzed: 04/04/24 13:46									
EPA 8270E												
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	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 66 %*		*Limits: 44-120 %*				*Dilution: 1x*			
2-Fluorobiphenyl (Surr)			*55 %*		*44-120 %*				*"*			
Phenol-d6 (Surr)			*23 %*		*10-133 %*				*"*			
p-Terphenyl-d14 (Surr)			*84 %*		*50-134 %*				*"*			
2-Fluorophenol (Surr)			*34 %*		*19-120 %*				*"*			
2,4,6-Tribromophenol (Surr)			*71 %*		*43-140 %*				*"*			
LCS (24D0168-BS1)			Prepared: 04/04/24 05:56 Analyzed: 04/04/24 14:22									
EPA 8270E												
2-Chlorophenol	2.57	0.200	0.400	ug/L	4	4.00	---	64	38-120%	---	---	
4-Chloro-3-methylphenol	3.60	0.400	0.800	ug/L	4	4.00	---	90	52-120%	---	---	
2,4-Dichlorophenol	3.43	0.200	0.400	ug/L	4	4.00	---	86	47-121%	---	---	
2,4-Dimethylphenol	3.30	1.00	2.00	ug/L	4	4.00	---	82	31-124%	---	---	
2,4-Dinitrophenol	2.58	1.00	2.00	ug/L	4	4.00	---	65	23-143%	---	---	Q-31
4,6-Dinitro-2-methylphenol	3.33	1.00	2.00	ug/L	4	4.00	---	83	44-137%	---	---	
2-Methylphenol	2.62	0.100	0.200	ug/L	4	4.00	---	66	30-120%	---	---	
3+4-Methylphenol(s)	2.61	0.100	0.200	ug/L	4	4.00	---	65	29-120%	---	---	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

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**	**A4C1799 - 04 11 24 2101**

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 24D0168 - EPA 3510C (Acid Extraction)								**Water**				
LCS (24D0168-BS1)			Prepared: 04/04/24 05:56 Analyzed: 04/04/24 14:22									
2-Nitrophenol	3.03	0.400	0.800	ug/L	4	4.00	---	76	47-123%	---	---	
4-Nitrophenol	1.11	0.400	0.800	ug/L	4	4.00	---	28	10-120%	---	---	
Pentachlorophenol (PCP)	3.48	0.400	0.800	ug/L	4	4.00	---	87	35-138%	---	---	
Phenol	1.01	0.800	0.800	ug/L	4	4.00	---	25	10-120%	---	---	
2,3,4,6-Tetrachlorophenol	3.72	0.200	0.400	ug/L	4	4.00	---	93	50-128%	---	---	
2,3,5,6-Tetrachlorophenol	3.72	0.200	0.400	ug/L	4	4.00	---	93	50-121%	---	---	
2,4,5-Trichlorophenol	3.55	0.200	0.400	ug/L	4	4.00	---	89	53-123%	---	---	
2,4,6-Trichlorophenol	3.45	0.200	0.400	ug/L	4	4.00	---	86	50-125%	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 72 %*	*Limits: 44-120 %*			*Dilution: 4x*					
2-Fluorobiphenyl (Surr)			*69 %*	*44-120 %*			*"*					
Phenol-d6 (Surr)			*25 %*	*10-133 %*			*"*					
p-Terphenyl-d14 (Surr)			*88 %*	*50-134 %*			*"*					
2-Fluorophenol (Surr)			*35 %*	*19-120 %*			*"*					
2,4,6-Tribromophenol (Surr)			*92 %*	*43-140 %*			*"*					
LCS Dup (24D0168-BSD1)			Prepared: 04/04/24 05:56 Analyzed: 04/04/24 14:58									**Q-19**
EPA 8270E												
2-Chlorophenol	2.47	0.200	0.400	ug/L	4	4.00	---	62	38-120%	4	30%	
4-Chloro-3-methylphenol	3.50	0.400	0.800	ug/L	4	4.00	---	88	52-120%	3	30%	
2,4-Dichlorophenol	3.32	0.200	0.400	ug/L	4	4.00	---	83	47-121%	3	30%	
2,4-Dimethylphenol	3.16	1.00	2.00	ug/L	4	4.00	---	79	31-124%	4	30%	
2,4-Dinitrophenol	2.45	1.00	2.00	ug/L	4	4.00	---	61	23-143%	5	30%	Q-31
4,6-Dinitro-2-methylphenol	3.19	1.00	2.00	ug/L	4	4.00	---	80	44-137%	4	30%	
2-Methylphenol	2.72	0.100	0.200	ug/L	4	4.00	---	68	30-120%	4	30%	
3+4-Methylphenol(s)	2.74	0.100	0.200	ug/L	4	4.00	---	69	29-120%	5	30%	
2-Nitrophenol	2.80	0.400	0.800	ug/L	4	4.00	---	70	47-123%	8	30%	
4-Nitrophenol	1.08	0.400	0.800	ug/L	4	4.00	---	27	10-120%	2	30%	
Pentachlorophenol (PCP)	3.37	0.400	0.800	ug/L	4	4.00	---	84	35-138%	3	30%	
Phenol	1.02	0.800	0.800	ug/L	4	4.00	---	26	10-120%	2	30%	
2,3,4,6-Tetrachlorophenol	3.52	0.200	0.400	ug/L	4	4.00	---	88	50-128%	5	30%	
2,3,5,6-Tetrachlorophenol	3.53	0.200	0.400	ug/L	4	4.00	---	88	50-121%	5	30%	
2,4,5-Trichlorophenol	3.33	0.200	0.400	ug/L	4	4.00	---	83	53-123%	6	30%	
2,4,6-Trichlorophenol	3.29	0.200	0.400	ug/L	4	4.00	---	82	50-125%	5	30%	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 72 %*	*Limits: 44-120 %*			*Dilution: 4x*					

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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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**	**A4C1799 - 04 11 24 2101**

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 24D0168 - EPA 3510C (Acid Extraction)												**Water**
LCS Dup (24D0168-BSD1)				Prepared: 04/04/24 05:56 Analyzed: 04/04/24 14:58								**Q-19**
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 65 %*	*Limits: 44-120 %*	*Dilution: 4x*							
Phenol-d6 (Surr)			*26 %*	*10-133 %*	*"*							
p-Terphenyl-d14 (Surr)			*89 %*	*50-134 %*	*"*							
2-Fluorophenol (Surr)			*32 %*	*19-120 %*	*"*							
2,4,6-Tribromophenol (Surr)			*91 %*	*43-140 %*	*"*							

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

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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
Batch: 24D0168							
A4C1799-01	Water	EPA 8270E	03/28/24 13:50	04/04/24 05:56	1000mL/1mL	1000mL/1mL	1.00
A4C1799-02	Water	EPA 8270E	03/28/24 13:50	04/04/24 05:56	1060mL/1mL	1000mL/1mL	0.94
A4C1799-03RE1	Water	EPA 8270E	03/28/24 11:45	04/04/24 05:56	1020mL/1mL	1000mL/1mL	0.98
A4C1799-04	Water	EPA 8270E	03/28/24 12:45	04/04/24 05:56	1000mL/1mL	1000mL/1mL	1.00
A4C1799-05	Water	EPA 8270E	03/28/24 10:30	04/04/24 05:56	1030mL/1mL	1000mL/1mL	0.97

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Portland, OR 97232	Project Manager: **David Weatherby**	**A4C1799 - 04 11 24 2101**

QUALIFIER DEFINITIONS

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

Apex Laboratories

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.
Q-31	Estimated Results. Recovery of Continuing Calibration Verification sample below lower control limit for this analyte. Results are likely biased low.

Apex Laboratories

Philip Nerenberg

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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)

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

Philip Nerenberg, Lab Director

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3140 NE Broadway Street	Project Number: **M0461.03.007**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A4C1799 - 04 11 24 2101**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).

-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.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

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**	**A4C1799 - 04 11 24 2101**

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 provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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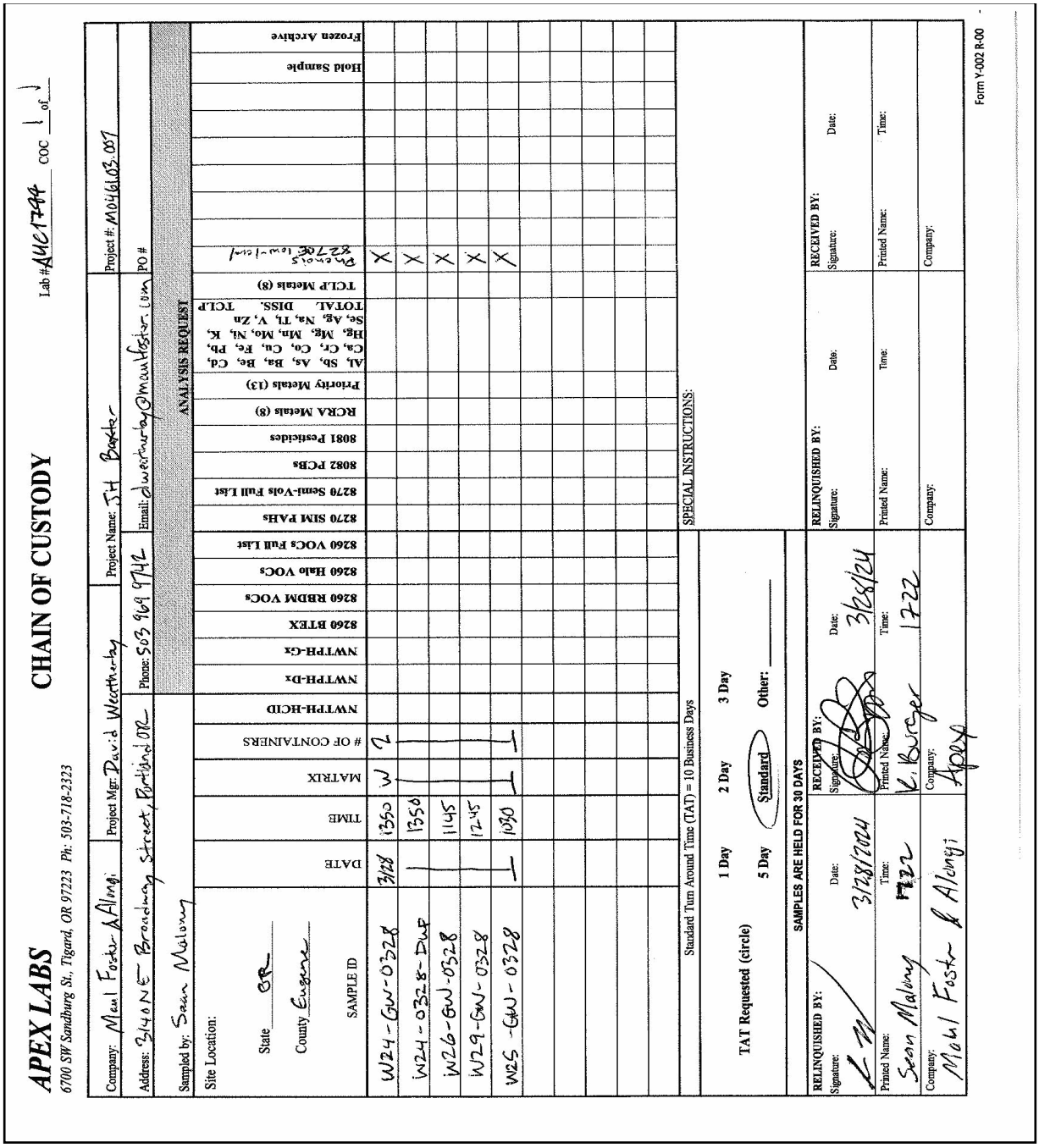
3140 NE Broadway Street	Project Number: **M0461.03.007**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A4C1799 - 04 11 24 2101**



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

CHAIN OF CUSTODY

Lab # AUC1799 COC 1 of 1

Company: Maul Foster & Alongi | Project Mgr: David Weatherby | Project Name: JH Baxter | Project #: M0461.03.007
Address: 3140 NE Broadway Street, Portland OR | Phone: 503 961 7962 | Email: dweatherby@maulfoster.com | PO #
Sampled by: Sean Maloney

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pesticides	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Bn, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Na, Se, Ag, Tl, V, Zn (low-level) 8270E	Hold Sample	Frozen Archive
MW24-GW-0328	3/28	1350	W	2																X		
MW24-0328-DUP		1350																		X		
MW26-GW-0328		1145																		X		
MW29-GW-0328		1245																		X		
MW25-GW-0328		1030		1																X		

Standard Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day | 2 Day | 3 Day | 5 Day | Standard | Other: _____

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY: Signature:	Date: 3/28/2024	RECEIVED BY: Signature:	Date:	RELINQUISHED BY: Signature:	Date:
Printed Name:	Time: 1722	Printed Name:	Time:	Printed Name:	Time:
Company: Maul Foster & Alongi		Company: Apex		Company:	

RECEIVED BY: Signature: Date: 3/28/2024 | Printed Name: K. Kruger Time: 1722 | Company: Apex

Form Y-002 R-00

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

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**	**A4C1799 - 04 11 24 2101**

APEX LABS COOLER RECEIPT FORM

Client: MFA Element WO#: A4C1799

Project/Project #: JH Baxter M0461.03.007 acc for cab 3/29/24

Delivery Info:

Date/time received: 3/28/24 @ 1722 By: VAB

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: 3/28/24 @ 1724 By: VAB

Chain of Custody included? Yes X No _____

Signed/dated by client? Yes X No _____

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

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	2.3						
Custody seals? (Y/N)	N						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	N						
Ice type: (Gel/Real/Other)	Real						
Condition (In/Out):	IN						

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: 3.29.24 @ 11:14 By: MHM

All samples intact? Yes ✓ No ___ Comments: _____

Bottle labels/COCs agree? Yes ✓ No ___ Comments: _____

COC/container discrepancies form initiated? Yes ___ No ✓

Containers/volumes received appropriate for analysis? Yes ✓ No ___ Comments: _____

Do VOA vials have visible headspace? Yes ___ No ___ NA ✓

Comments _____

Water samples: pH checked: Yes___No___NA✓ pH appropriate? Yes___No___NA✓ pH ID:_____

Comments: _____

Labeled by: MHM Witness: VJ Cooler Inspected by: MHM

Form Y-003 R-02

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Data Validation Memorandum

Project No. M0461.03.007 | April 12, 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 March 28, 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 A4C1799. The analysis performed and the samples analyzed are listed in the following tables.

Analysis	Reference
Phenols	EPA 8270E

Note
EPA = U.S. Environmental Protection Agency.

Samples Analyzed	
Report A4C1799	
W24-GW-0328	W29-GW-0328
W24-0328-DUP	W25-GW-0328
W26-GW-0328	--

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 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.

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.

No equipment rinsate blanks were submitted for analysis. 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 LCSs and LCSDs 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.

Laboratory duplicate results were not reported by Apex. Batch precision and accuracy were evaluated with 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. MS and MSD results were not reported by Apex. Batch precision and accuracy were evaluated with LCS and LCSD results.

Surrogate Results

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

All surrogate results were within percent recovery acceptance limits.

Continuing Calibration Verification Results

Continuing calibration verification (CCV) results are used to evaluate instrument sensitivity, precision, and accuracy throughout the analytical sequence.

CCV results are not required for Stage 2A validation, however, the reviewer evaluated results flagged by the laboratory for associated CCV exceedances. Surrogate or batch quality control results flagged by the laboratory based on CCV exceedances but meeting percent recovery and/or RPD acceptance criteria did not require qualification by the reviewer.

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
A4C1799	W24-GW-0328	W24-0328-DUP

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. When only one result in the sample pair was non-detect, RPD was evaluated using the LDL of the non-detect result.

All field duplicate results met the RPD acceptance criteria.

Data Package

The data package was reviewed for transcription errors, omissions, and anomalies.

None 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

MAUL FOSTER ALONGI

(360) 694-2691 www.maulfoster.com

Water Field Sampling Data Sheet

Client Name	J.H. Baxter & Co.	**Sample Location**	W25		
Project #	M0461.03.007	**Sampler**	S. Maloney		
Project Name	J.H. Baxter Groundwater Sampling	**Sampling Date**	3/28/2024		
Sampling Event	March 2024	**Sample Name**	W25-GW-0328		
Sub Area		**Sample Depth (ft)**	25		
FSDS QA:	E. Aaser 4/1/2024	**Easting**		**Northing**		**TOC**	

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
3/27/2024	15:47	64		6.23			

(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)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate (l/min)	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	ORP	Turbidity	Water Level
(2) Peristaltic Pump	10:10:00 AM	0.3	0.2	7.07	14.5	6080	1.55	187.8	3.37	6.07
	10:15:00 AM	0.8	0.2	6.91	14.5	6080	0.64	196.6	3.29	6.07
	10:20:00 AM	1.3	0.2	6.91	14.6	6080	0.45	196.9	3.5	6.07
Final Parameters	10:25:00 AM	1.8	0.2	6.92	14.6	6080	0.38	195.8	3.41	6.07

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Clear; slight greenish tint; no odor; no sheen.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	10:30:00 AM	VOA-Glass		
			Amber Glass	2	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	2	

General Sampling Comments

Began purging at 10:08.

Signature _____

MAUL FOSTER ALONGI

(360) 694-2691 www.maulfoster.com

Water Field Sampling Data Sheet

Client Name	J.H. Baxter & Co.	**Sample Location**	W26		
Project #	M0461.03.007	**Sampler**	S. Maloney		
Project Name	J.H. Baxter Groundwater Sampling	**Sampling Date**	3/28/2024		
Sampling Event	March 2024	**Sample Name**	W26-GW-0328		
Sub Area		**Sample Depth (ft)**	25		
FSDS QA:	E. Aaser 4/1/2024	**Easting**		**Northing**		**TOC**	

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
3/27/2024	14:19	79		6.2			

(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)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate (l/min)	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	ORP	Turbidity	Water Level
(2) Peristaltic Pump	11:10:00 AM	1.3	0.2	6.27	13.8	270	0.21	178.1	25.5	6.02
	11:15:00 AM	1.8	0.2	6.07	13.8	270	0.16	191.4	24.7	6.01
	11:20:00 AM	2.3	0.2	5.88	13.8	270	0.23	201.3	25.1	6.01
	11:25:00 AM	2.8	0.2	5.84	13.8	270	0.13	204.9	23	6.01
	11:30:00 AM	3	0.2	5.78	13.7	270	0.11	211.5	27.5	6.01
	11:35:00 AM	3.5	0.2	5.74	13.7	270	0.07	215.5	26.1	6.01
Final Parameters	11:40:00 AM	4	0.2	5.72	13.8	260	0.06	216.5	25	6.01

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Clear; brownish tint; no odor; no sheen.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	11:45:00 AM	VOA-Glass		
			Amber Glass	2	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	2	

General Sampling Comments

Began purging at 10:57.

Signature _____

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Water Field Sampling Data Sheet

Client Name	J.H. Baxter & Co.	**Sample Location**	W29
Project #	M0461.03.007	**Sampler**	S. Maloney
Project Name	J.H. Baxter Groundwater Sampling	**Sampling Date**	3/28/2024
Sampling Event	March 2024	**Sample Name**	W29-GW-0328
Sub Area		**Sample Depth (ft)**	25
FSDS QA:	E. Aaser 4/1/2024	**Easting**	**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
3/27/2024	14:29			5.2			

(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)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate (l/min)	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	ORP	Turbidity	Water Level
(2) Peristaltic Pump	12:20:00 PM	0.5	0.2	6.48	14	2440	0.36	243.1	5.12	5.13
	12:25:00 PM	0.75	0.2	6.56	13.9	2440	0.14	232.8	4.9	5.13
	12:30:00 PM	1	0.2	6.58	14	2450	0.11	228.3	5.2	5.13
	12:35:00 PM	1.5	0.2	6.6	14	2450	0.07	221.5	4.95	5.13
	12:40:00 PM	1.75	0.2	6.61	14	2450	0.03	217.4	5.2	5.13
Final Parameters	12:45:00 PM	2	0.2	6.62	14.1	2450	0.04	212.5	4.94	5.13

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Clear; slight gray tint; no odor; no sheen.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	12:45:00 AM	VOA-Glass		
			Amber Glass	2	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	2	

General Sampling Comments

Began purging at 12:15.

Signature _____

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Water Field Sampling Data Sheet

Client Name	J.H. Baxter & Co.	**Sample Location**	W24
Project #	M0461.03.007	**Sampler**	S. Maloney
Project Name	J.H. Baxter Groundwater Sampling	**Sampling Date**	3/28/2024
Sampling Event	March 2024	**Sample Name**	W24-GW-0328
Sub Area		**Sample Depth (ft)**	25
FSDS QA:	E. Aaser 4/1/2024	**Easting**	**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
3/27/2024	15:40	64		8.11			

(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)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate (l/min)	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	ORP	Turbidity	Water Level
(2) Peristaltic Pump	1:23:00 PM	0.5	0.2	6.27	13.8	500	0.95	200.7	15.2	7.85
	1:28:00 PM	0.75	0.2	6.06	13.8	490	0.8	207.7	21.3	7.85
	1:33:00 PM	1	0.2	5.59	13.7	490	0.78	210.9	14.5	7.85
	1:38:00 PM	1.5	0.2	5.96	13.7	490	0.78	213.7	11.8	7.85
	1:43:00 PM	2.1	0.2	5.94	13.8	490	0.73	214.3	10.4	7.85
Final Parameters	1:48:00 PM	2.5	0.2	5.94	13.8	490	0.72	214.5	11.9	7.85

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Clear; brownish tint; no odor; no sheen.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	1:50:00 PM	VOA-Glass		
			Amber Glass	2	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	2	

General Sampling Comments

Began purging at 13:15.

W24-0328-DUP collected here.

Signature _____

Appendix C

Time Series Plots: Pentachlorophenol in Groundwater

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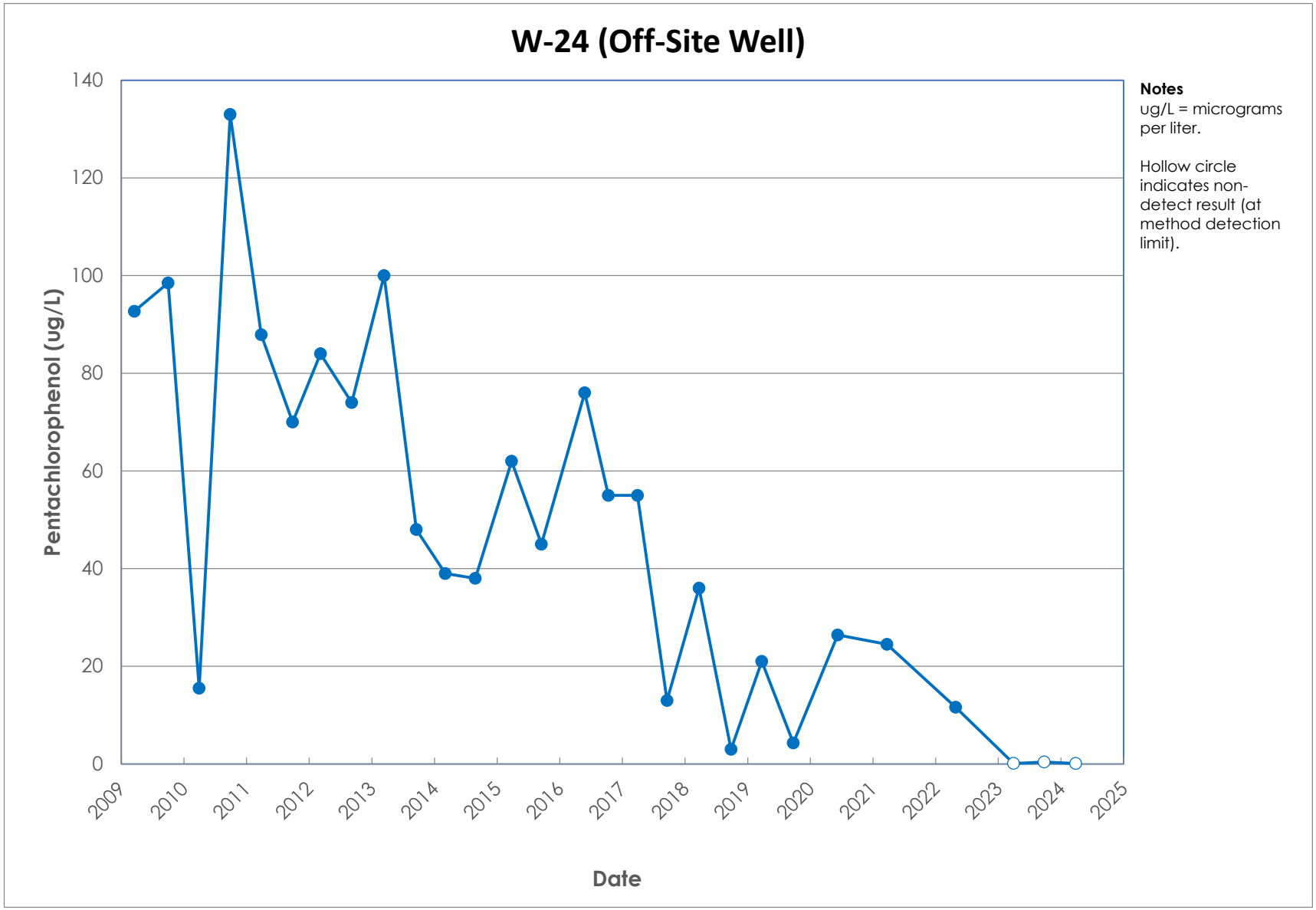
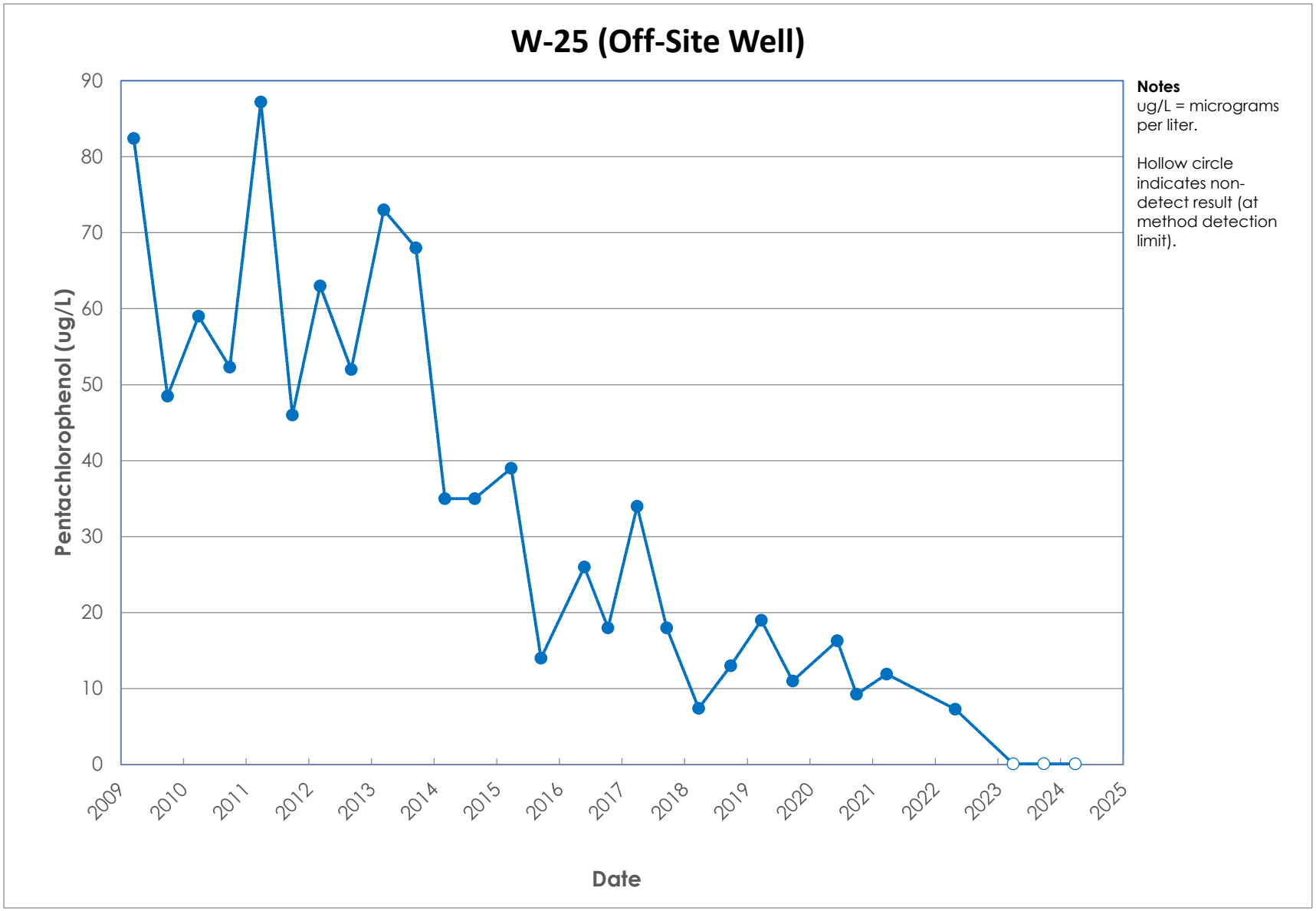
Figure C-12
Pentachlorophenol in Groundwater at W-24



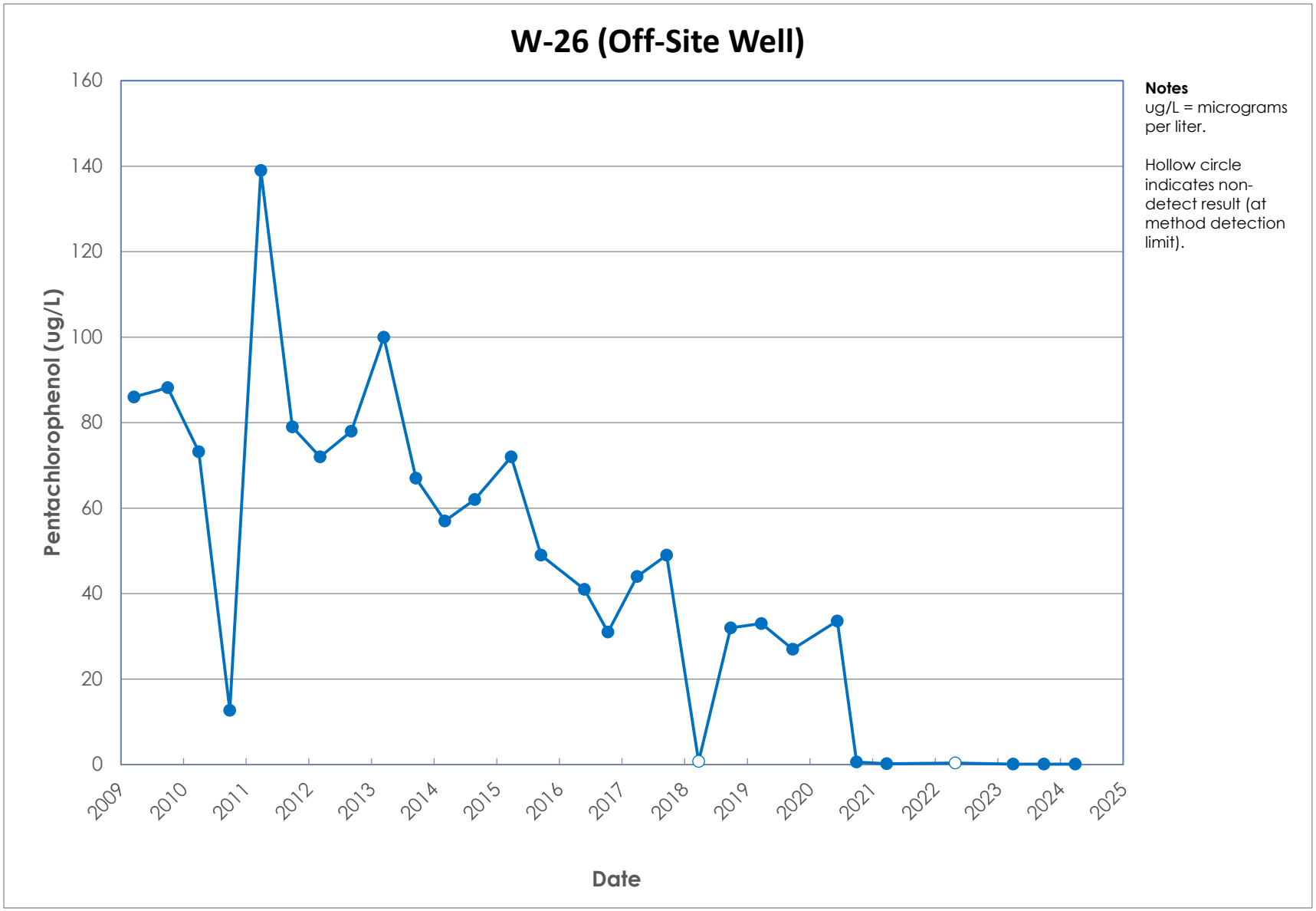
M0461.03.007, 10/2/2024, Tf_JH Baxter_PCP Trendplots

Figure C-13
Pentachlorophenol in Groundwater at W-25



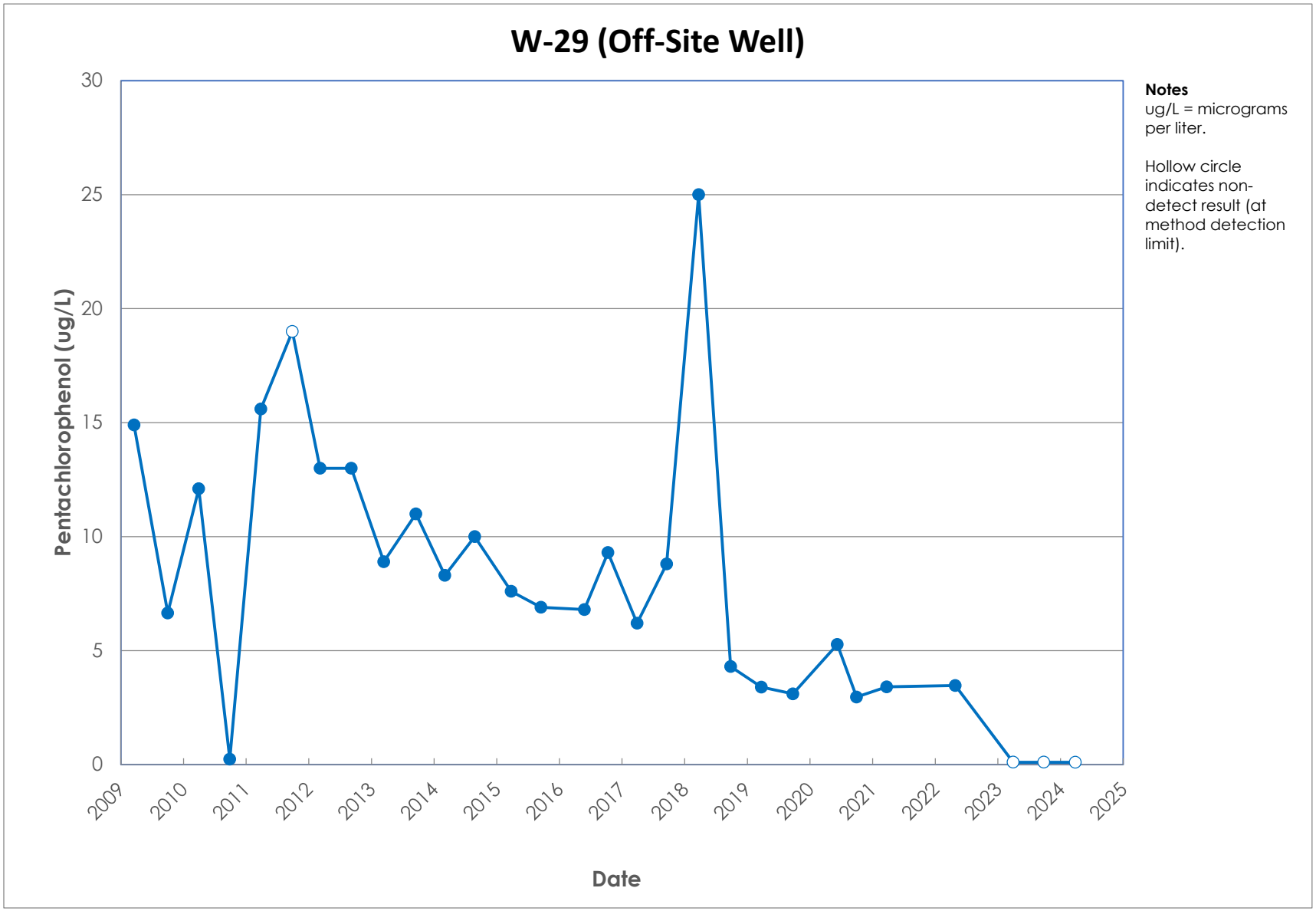
M0461.03.007, 10/2/2024, Tf_JH Baxter_PCP Trendplots

Figure C-14
Pentachlorophenol in Groundwater at W-26



M0461.03.007, 10/2/2024, Tf_JH Baxter_PCP Trendplots

Figure C-15
Pentachlorophenol in Groundwater at W-29



M0461.03.007, 10/2/2024, Tf_JH Baxter_PCP Trendplots