J.H. Baxter & Co. Wood Treating Facility

First Half 2021 Groundwater Monitoring Report

Eugene, Oregon
ECSI No. 55

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Abbreviations and Acronyms

µg/L	microgram per liter
APEX	Apex Laboratories, LLC
Baxter	J.H. Baxter & Co.
CCV	Continuing Calibration Verification
COC	chain-of-custody
DEQ	Oregon Department of Environmental Quality
DL	detection limit
ECSI	Environmental Cleanup Site Information
EPA	U.S. Environmental Protection Agency
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MDL	method detection limit
MG	million gallons
PAH	polycyclic aromatic hydrocarbon
PCP	pentachlorophenol
RL	reporting limit
Site	J.H. Baxter & Co. wood treating facility in Eugene, Oregon

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SECTION 1: **Introduction**

This report presents the results of groundwater monitoring activities conducted in the first half of 2021 at the J.H. Baxter & Co. (Baxter) wood treating facility in Eugene, Oregon (Site), located at 85 Baxter Street (Figures 1 and 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. Additionally, an offsite well not owned by Baxter is included in the monitoring well network. The wells are:

- **Extraction Wells** (total of 3): W-13S, W-13I, and 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
- **Non-Baxter Offsite Monitoring Well**: Zip-O-Log

Of these wells, four were sampled in March 2021 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 13 additional wells annually in September. This report summarizes the results of the March 2021 monitoring event and the groundwater extraction data through June 2021.

SECTION 2: **Monitoring Activities**

The groundwater monitoring event was conducted on March 23 and 24, 2021. Field activities, including groundwater level measurements and groundwater sampling, were completed by GSI Water Solutions, Inc. staff and Baxter personnel. Wells were sampled using low-flow methods as described in the *Revised Groundwater Monitoring Work Plan* (Baxter, 2003), with dedicated groundwater pumps and tubing. Groundwater samples, 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 4 wells. The laboratory report is presented in Appendix A and groundwater sampling forms are presented in Appendix B.

On March 23, 2021, one field blind sample, or duplicate, was collected at well W-24. The blind sample was analyzed for phenols, the parent sample and blind duplicate results were comparable, and no results were qualified. Equipment blanks are no longer required during biannual groundwater sampling because dedicated groundwater pumps were installed in 2020 and are used for groundwater collection at all sampled wells.

SECTION 3: **Groundwater Elevations**

Groundwater elevations are presented in Table 1. Groundwater elevation contours are presented in Figures 3 and 4, with the shallow zone contoured in Figure 3 and the intermediate zone contoured in Figure 4. The groundwater contour maps for both the shallow and intermediate zones indicate that the extraction system is continuing to control groundwater movement within the historic source area.

SECTION 4: **Analytical Results**

Groundwater samples for the March 2021 monitoring event were analyzed for phenols. The laboratory results are provided in Table 2. Pentachlorophenol (PCP) results are presented in Figure 5 and 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 (MDL) 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 2021 monitoring event.

4.2 Onsite Extraction Wells

Onsite extraction wells were not sampled during the March 2021 monitoring event.

4.3 Offsite Monitoring Wells

PCP was detected in all four of the off-site monitoring wells sampled during the March 2021 monitoring event. Detectable concentrations ranged from 0.197 to 24.5 micrograms per liter (µg/L). The highest offsite concentration of PCP was in well W-24, which is located northwest of the Site.

No other phenols were detected in any of the off-site monitoring wells in March 2021.

Overall, offsite wells have shown a general declining trend in PCP concentrations since 2011, as shown in Appendix C.

4.4 Quality Assurance and Quality Control

Groundwater samples for the first half 2021 monitoring event were analyzed by APEX. The notes in the laboratory report (Appendix A) describe the flags or footnotes associated with exceptions to standard analytical or quality control protocols. All results are considered usable with the appropriate additional flags.

EPA 8270E was requested on the chain-of-custody (COC) and was used to analyze all samples. Sample coolers for the March 2021 monitoring event arrived at the laboratory in good condition. All coolers were under the recommended 6 degrees Celsius, and all samples were preserved properly. Sample IDs and times listed on the COC matched those on the cooler login and in the report.

Samples GW-Dup-1-0321, GW-W-24-0321, GW-W-25-0321, and GW-W-29-0321 required dilution before analysis. Elevated detection limits (DLs) and reporting limits (RLs) are provided in the analytical report (Appendix A). Several results were reported below the reporting limit and were qualified with a “J” flagging.

There were no phenols detected in the method blanks. Laboratory Control Samples (LCSs)/Laboratory Control Sample Duplicates (LCSDs) were recovered within control limits for the reported analytes. The

Continuing Calibration Verification (CCV) sample failed low for one analyte and results (non-detects) were qualified with a "UJ-" flagging.

Surrogate recoveries were within control limits with the exception of 2-fluorobiphenyl in sample GW-W-24-0321. However, as this was the only incidence of surrogate recovery failure in the base/neutral fraction, and no base/neutral analytes were requested for analysis, no results were qualified.

One blind sample was collected during the March 2021 monitoring event from GW-W-24-0321. The blind sample was analyzed for phenols. The parent sample and blind duplicate results were comparable, and no results were qualified.

A summary of qualified data is provided in Table 3.

SECTION 5: **Groundwater Extraction and Treatment System**

The groundwater extraction and treatment system consists of three wells, a filtration system, and granulated activated carbon (Figure 6). The system was in operation for 174 days, from January 1, 2021 to June 30, 2021. The system was down for 2.5 days between March 5 and 8, 2021, due to Baxter personnel losing a probe in the sand filter. The system was also down for 3.5 days between June 22 through 24, and 30, 2021, due to an electrical issue and replacement of various system valving and piping. The estimated pumping rates and extracted constituent mass are presented in Table 4.

Daily outflow logs, inspection notes, and backwash logs are included in Appendix D. Discharge sampling at outfall 002 is performed in accordance with Baxter's National Pollutant Discharge Elimination System permit, and laboratory analytical data is provided in Table 5 and Appendix D.

During the first half of 2021, 12.53 million gallons (MG) of groundwater was extracted and sent through the treatment system. An extracted contaminant mass for PCP was calculated based on the September 2020 analytical results for each extraction well (Table 4). In the first half of 2021, approximately 9.32 pounds of PCP was removed from the three extraction wells.

Since January 1994, approximately 683 MG of groundwater have been extracted and treated. Approximately 1,693 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 as of June 2015.

SECTION 6: **Well Search**

Baxter completed a well search using the Oregon Water Resources Department mapping program to determine if any new wells were installed in the area directly north of the Site. No new wells have been installed between January 1, 2021 and June 30, 2021.

SECTION 7: **Second Half 2021 Activities**

Semiannual groundwater monitoring for the second half of 2021 will be conducted in accordance with the *Revised Monitoring Program May 2015* (Baxter, 2015), and is planned to occur in September 2021.

SECTION 8: **References**

Baxter. 2003. *Revised Groundwater Monitoring Work Plan J.H. Baxter & Co. Wood Preserving Facility, 85 Baxter Road, Eugene, Oregon*. Prepared by J.H. Baxter & Co. March 7, 2003.

Baxter. 2015. *Revised Monitoring Program May 2015 J.H. Baxter Eugene Site ESCI No. 55*. Prepared by J.H. Baxter & Co. May 1, 2015.

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, 2015.

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

Tables

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Table 1
Groundwater Elevation Summary

Well ID	Top of Casing Elevation (ft msl)	Depth to Well Bottom (ft)	Depth to Water (ft)	Groundwater Elevation (ft amsl)
			3/23/2021	
W-1S	395.91	28.5	10.84	385.07
W-2S	393.16	27.6	5.73	387.43
W-2I	394.23	81.71	--	--
W-3S	395.01	33	12.26	382.75
W-4S	396.56	22.3	10.80	385.76
W-5I	396.71	75.5	12.60	384.11
W-6I	397.77	70	12.98	384.79
W-7S	397.66	20	12.36	385.30
W-8S	395.90	20.17	6.55	389.35
W-8I	393.66	82.33	8.12	385.54
W-9S	396.45	25	7.54	388.91
W-9I	396.19	67	7.20	388.99
W-11S	394.17	24.85	8.40	385.77
W-11I	394.17	83	10.45	383.72
W-12I	395.62	78.5	13.80	381.82
W-12D	395.54	133.75	13.33	382.21
W-13S	396.71	29.02	20.77	375.94
W-13I	396.15	71.46	46.74	349.41
W-13D	396.40	133.51	14.15	382.25
W-14I	395.60	77.5	10.51	385.09
W-15S	396.62	28	12.73	383.89
W-16AS	391.86	24.98	6.26	385.60
W-16AI	391.86	81.85	9.39	382.47
W-17AS	390.29	23.67	6.96	383.33
W-17AI	390.80	87.42	9.02	381.78
W-17BI	392.08	84.88	9.09	382.99
W-18AS	392.84	25.05	8.17	384.67
W-18AI	393.70	86.81	11.06	382.64
W-18BI	391.98	88.6	9.00	382.98
W-19AS	393.82	23.66	9.76	384.06
W-20I	397.10	85	38.65	358.45
W-21S	393.80	16.75	7.59	386.21
W-21I	393.80	81.42	8.02	385.78
W-22S	396.72	19.38	9.73	386.99
W-23	396.16	55.5	12.23	383.93
W-24	391.64	65	8.89	382.75
W-25	389.92	64	6.98	382.94
W-26	390.14	79	6.97	383.17
W-28	390.01	84.42	7.20	382.81
W-29	388.56	74.83	5.93	382.63
W-32	388.35	74	6.82	381.53
W-34	389.17	76	7.42	381.75
W-35	391.46	77	--	--

Notes

-- = not measured

ft = feet

ft amsl = feet above mean sea level

Table 2
Phenol Analytical Results in Groundwater Samples

Well ID	Well Location	Sample Date	2,3,4,6-Tetrachlorophenol[1] (µg/L)	2,3,5,6-Tetrachlorophenol[1] (µg/L)	2,4,5-Trichlorophenol[1] (µg/L)	2,4,6-Trichlorophenol[1] (µg/L)	2,4-Dichlorophenol[1] (µg/L)	2,4-Dimethylphenol[1] (µg/L)	2,4-Dinitrophenol[1] (µg/L)	2-Chlorophenol[1] (µg/L)	2-Methylphenol[1] (µg/L)	2-Nitrophenol[1] (µg/L)	3 & 4-Methylphenol[1] (µg/L)	4,6-Dinitro-2-methylphenol[1] (µg/L)	4-Chloro-3-methylphenol[1] (µg/L)	4-Nitrophenol[1] (µg/L)	Pentachlorophenol[1] (µg/L)	Phenol[1] (µg/L)
W-24	Off-Site	3/23/2021	**0.519**	**0.292** J	0.187 U	0.187 U	0.187 U	0.187 U	0.935 UJ-	0.187 U	0.0935 U	0.374 U	0.0935 U	0.935 U	0.374 U	0.374 U	**21.4**	0.748 U
W-24 (Blind)	Off-Site	3/23/2021	**0.651**	**0.4**	0.187 U	0.187 U	0.187 U	0.187 U	0.935 UJ-	0.187 U	0.0935 U	0.374 U	0.0935 U	0.935 U	0.374 U	0.374 U	**24.5**	0.748 U
W-25	Off-Site	3/24/2021	**0.34** J	**0.27** J	0.187 U	0.187 U	0.187 U	0.187 U	0.935 UJ-	0.187 U	0.0935 U	0.374 U	0.0935 U	0.935 U	0.374 U	0.374 U	**11.9**	0.748 U
W-26	Off-Site	3/24/2021	**0.0654** J	0.0467 U	0.0467 U	0.0467 U	0.0467 U	0.0467 U	0.234 UJ-	0.0467 U	0.0234 U	0.0935 U	0.0234 U	0.234 U	0.0935 U	0.0935 U	**0.197**	0.187 U
W-29	Off-Site	3/24/2021	**0.212** J	0.203 J	0.192 U	0.187 U	0.192 U	0.192 U	0.962 UJ-	0.192 U	0.0962 U	0.385 U	0.0962 U	0.962 U	0.385 U	0.385 U	**3.41**	0.769 U

Notes

[1]Analysis by EPA method 8270E

µg/L = micrograms per liter.

Blind = duplicate sample

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte.

U = Analyte was not detected above the sample method detection limit.

UJ- = Analyte CCV failed low in QC samples.

Table 3
Summary of Qualified Data

Report	Sample ID	Analyte	Qualifier Assigned	Reason for Qualification
A1C0994	GW-Dup-1-0321	2,4-Dichlorophenol	UJ-	CCV failed low in QC samples
	GW-W-24-0321	2,4-Dichlorophenol	UJ-	CCV failed low in QC samples
		2,3,5,6-Tetrachlorophenol	J	below reporting limit
	GW-W-25-0321	2,4-Dichlorophenol	UJ-	CCV failed low in QC samples
		2,3,4,6-Tetrachlorophenol	J	below reporting limit
		2,3,5,6-Tetrachlorophenol	J	below reporting limit
	GW-W-26-0321	2,3,4,6-Tetrachlorophenol	J	below reporting limit
	GW-W-29-0321	2,4-Dichlorophenol	UJ-	CCV failed low in QC samples
		2,3,4,6-Tetrachlorophenol	J	below reporting limit
		2,3,5,6-Tetrachlorophenol	J	below reporting limit

Notes

CCV = Continuing Calibration Verification

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte.

QC = quality control

U = Analyte was not detected above the sample method detection limit.

UJ- = Analyte CCV failed low in QC samples.

Table 4
Groundwater Extraction System Summary

Observation Period	Well W-20I								
	Pumping Information			Average Concentrations[1,2,3]			Estimated Mass Extracted[4]		
	Days Pumping	Rate[5]	Volume	PCP	PAHs	Metals	PCP	PAHs	Metals
	(days)	(gpm)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(pounds)	(pounds)	(pounds)
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
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	–	–
Cumulative Amounts	–	–	464,227,200	–	–	–	242.38	0.98	1.06
Observation Period	Well W-13S								
	Pumping Information			Average Concentrations[1,2,3]			Estimated Mass Extracted[4]		
	Days Pumping	Rate[5]	Volume	PCP	PAHs	Metals	PCP	PAHs	Metals
	(days)	(gpm)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(pounds)	(pounds)	(pounds)
01-Jan-94 to 02-Dec-98	1,783	5	12,837,600	25,175	35	0.00	321.36	1.21	0.00

Table 4
Groundwater Extraction System Summary

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
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	–	–
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	–	–
Cumulative Amounts	–	–	70,610,400	–	–	–	650.83	1.40	2.26

Observation Period	Well W-13I								
	Pumping Information			Average Concentrations[1,2,3]			Estimated Mass Extracted[4]		
	Days Pumping	Rate[5]	Volume	PCP	PAHs	Metals	PCP	PAHs	Metals
	(days)	(gpm)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(pounds)	(pounds)	(pounds)
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

Table 4
Groundwater Extraction System Summary

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
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	--	--	5.16	--	--
01-Jan-21 to 30-Jun-21	174	10	2,505,600	254	--	--	5.31	--	--
Cumulative Amounts	--	--	148,111,200	--	--	--	799.58	2.05	0.27
TOTALS	--	--	**682,948,800**	--	--	--	**1,692.79**	**4.43**	**3.58**

Notes

[1]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.

[2]Field duplicate values averaged with parent value before calculating the average concentration for the observation period.

[3]No value assigned to concentrations below the method reporting limit.

[4]Estimated mass calculated on the basis of corrected average concentrations.

[5]Flow rate estimated based upon pump capacity

-- = data not available or not applicable

µg/L = micrograms per liter

gpm = gallons per minute

PCP = pentachlorophenol

PAHs = polycyclic aromatic hydrocarbons

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

Table 5
National Pollutant Discharge Elimination System Sampling Results

Sampling ID	Sampling Location	Sample Date	Zinc[1] (mg/L)	Chromium[1] (mg/L)	Copper[1] (mg/L)	Arsenic[1] (mg/L)	Lead[1] (mg/L)	Hardness (As CaCO3)[2] (mg/L)	Hydrogen Ion (pH)[3] (pH)	BOD[4] (mg/L)	Pentachlorophenol[5] (µg/L)
002	Outfall 002	1/7/2021	0.01 U	**0.0011**	0.001 U	0.001 U	--	--	**7.5**	--	**0.118 J**
002	Outfall 002	2/4/2021	--	--	--	--	--	--	**7.5**	--	**0.59 J**
002	Outfall 002	3/4/2021	--	--	--	--	--	--	**7.5**	--	0.471 U
002	Outfall 002	4/1/2021	0.01 U	0.0005 U	0.001 U	0.001 U	--	--	**7.3**	--	**0.633 J**
002	Outfall 002	5/6/2021	--	--	--	--	--	--	**7.4**	--	0.466 U
002	Outfall 002	6/3/2021	--	--	--	--	--	--	**7.2**	--	0.48 U

Notes

[1]Analysis by EPA method SM3111B

[2]Analysis by EPA method SM2340C

[3]Analysis by EPA method SM4500H+B

[4]Analysis by EPA method SM5210B

[5]Analysis by EPA method 8270C

-- = No data available

µg/L = micrograms per liter

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte.

mg/L = milligrams per liter

BOD = Biological Oxygen Demand

U = Analyte was not detected above the sample method detection limit.

Figures

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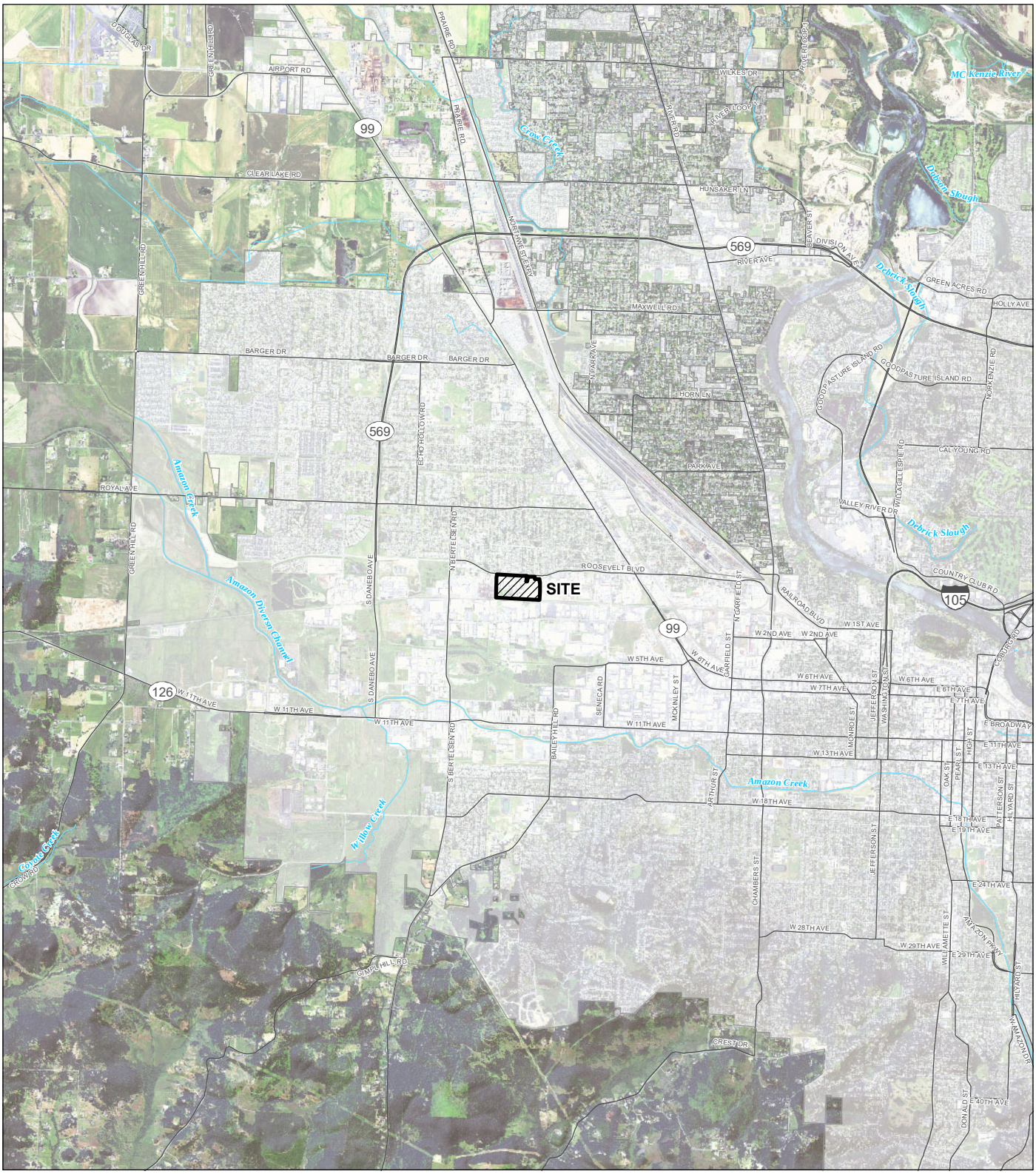

LEGEND

- Eugene City Limits
- Major Roads
- Watercourses

MAP NOTES:
Date: July 25, 2016
Data Sources: Air photo taken on June 11, 2014 by the USDA

FIGURE 1

Site Vicinity Map

J.H. Baxter & Co. Wood Treating Facility
Eugene, Oregon

N

0 0.5 1
Miles

GSI Water Solutions, Inc.

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FIGURE 2

Site Detail Map

J.H. Baxter & Co. Wood Treating Facility
Eugene, Oregon

LEGEND

- Facility Boundary
- Union Pacific Railroad

N

0 100 200 300
Feet

MAP NOTES:
Date: July 25, 2016
Data Sources: AMEC, OGIC, ESRI, Air photo taken on June 6, 2014 by Google Earth

GSI Water Solutions, Inc.

Document Path: P:\Portland\302 - Baxter\GIS\Eugene\Project_mxds\2016_1h_Report\Figure2_Site_Detail_Map.mxd

FIGURE 3

Shallow Zone Groundwater Elevation, First Half 2021

J.H. Baxter & Co. Wood Treating Facility
Eugene, Oregon

LEGEND

- Shallow Zone Monitoring Well (March 2021 Groundwater Elevation)
- Shallow Zone Extraction Well (March 2021 Groundwater Elevation)
- Groundwater Elevation Contours (dashed where inferred)
- Groundwater Flow Direction
- Facility Boundary
- Union Pacific Railroad

N

0 100 200 300
Feet

Date: July 26, 2021
Data Sources: AMEC, OGIC, ESRI

GSI Water Solutions, Inc.

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FIGURE 4

Intermediate Zone Groundwater Elevation, First Half 2021

J.H. Baxter & Co. Wood Treating Facility
Eugene, Oregon

LEGEND

- Intermediate Zone Monitoring Well (First Half 2021 Groundwater Elevation)
- Intermediate Zone Extraction Well (First Half 2021 Groundwater Elevation)
- Groundwater Elevation Contours (dashed where inferred)
- Facility Boundary
- Union Pacific Railroad
- Ground Water Flow Direction

NOTE:
NM = Not Measured

N

0 100 200 300 400
Feet

Date: July 26, 2021
Data Sources: AMEC, OGIC, ESRI

GSI Water Solutions, Inc.

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FIGURE 5

Pentachlorophenol in Groundwater, First Half 2021

J.H. Baxter & Co. Wood Treating Facility
Eugene, Oregon

LEGEND

- Monitoring Well
- Extraction Well
- Facility Boundary
- Union Pacific Railroad

NOTE:

1. Results in µg/L (microgram per liter).
2. Samples taken March 23 and 24, 2021.

N

0 200 400
Feet

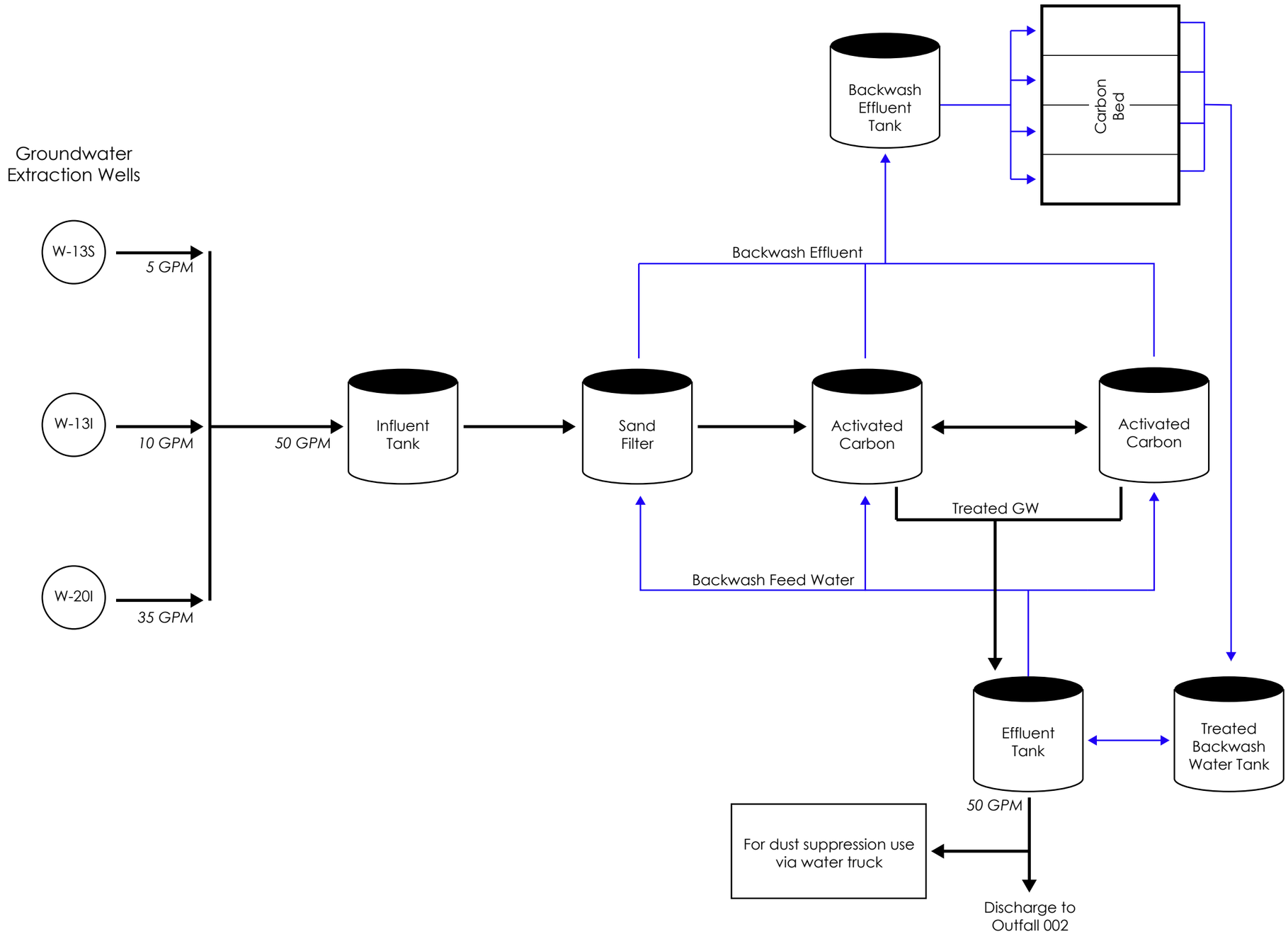
Date: July 26, 2021
Data Sources: AMEC, OGIC, ESRI

GSI Water Solutions, Inc.

FIGURE 6

Groundwater Treatment System

J.H. Baxter & Co. Wood Treating Facility
Eugene, Oregon



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APPENDIX A

Laboratory Reports

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

ANALYTICAL REPORT

Thursday, July 8, 2021

Josh Bale
GSI Water Solutions
55 SW Yamhill St, Ste 300
Portland, OR 97209

RE: A1C0994 - J.H. Baxter Water Sample - 0302.029

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 A1C0994, which was received by the laboratory on 3/24/2021 at 1:51:00PM.

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

(See Cooler Receipt Form for details)

Cooler #1	5.4 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 For Lisa Domenighini, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. 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

GSI Water Solutions	Project: **J.H. Baxter Water Sample**	
55 SW Yamhill St, Ste 300	Project Number: **0302.029**	**Report ID:**
Portland, OR 97209	Project Manager: **Josh Bale**	**A1C0994 - 07 08 21 2102**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW-W-24-0321	A1C0994-01	Water	03/23/21 14:42	03/24/21 13:51
GW-Dup-1-0321	A1C0994-02	Water	03/23/21 00:00	03/24/21 13:51
GW-W-25-0321	A1C0994-03	Water	03/24/21 09:56	03/24/21 13:51
GW-W-26-0321	A1C0994-04	Water	03/24/21 11:15	03/24/21 13:51
GW-W-29-0321	A1C0994-05	Water	03/24/21 10:41	03/24/21 13:51

Apex Laboratories

Philip Nerenberg

Philip Nerenberg For Lisa Domenighini, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. 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

GSI Water Solutions	Project: **J.H. Baxter Water Sample**	
55 SW Yamhill St, Ste 300	Project Number: **0302.029**	**Report ID:**
Portland, OR 97209	Project Manager: **Josh Bale**	**A1C0994 - 07 08 21 2102**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GW-W-24-0321 (A1C0994-01RE1)				**Matrix: Water**		**Batch: 1031161**		
2-Chlorophenol	ND	0.187	0.374	ug/L	4	03/30/21 19:57	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.374	0.748	ug/L	4	03/30/21 19:57	EPA 8270E	
2,4-Dichlorophenol	ND	0.187	0.374	ug/L	4	03/30/21 19:57	EPA 8270E	
2,4-Dimethylphenol	ND	0.187	0.374	ug/L	4	03/30/21 19:57	EPA 8270E	
2,4-Dinitrophenol	ND	0.935	1.87	ug/L	4	03/30/21 19:57	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	0.935	1.87	ug/L	4	03/30/21 19:57	EPA 8270E	
2-Methylphenol	ND	0.0935	0.187	ug/L	4	03/30/21 19:57	EPA 8270E	
3+4-Methylphenol(s)	ND	0.0935	0.187	ug/L	4	03/30/21 19:57	EPA 8270E	
2-Nitrophenol	ND	0.374	0.748	ug/L	4	03/30/21 19:57	EPA 8270E	
4-Nitrophenol	ND	0.374	0.748	ug/L	4	03/30/21 19:57	EPA 8270E	
Pentachlorophenol (PCP)	**21.4**	0.374	0.748	ug/L	4	03/30/21 19:57	EPA 8270E	
Phenol	ND	0.748	1.50	ug/L	4	03/30/21 19:57	EPA 8270E	
2,3,4,6-Tetrachlorophenol	**0.519**	0.187	0.374	ug/L	4	03/30/21 19:57	EPA 8270E	
2,3,5,6-Tetrachlorophenol	**0.292**	0.187	0.374	ug/L	4	03/30/21 19:57	EPA 8270E	**J**
2,4,5-Trichlorophenol	ND	0.187	0.374	ug/L	4	03/30/21 19:57	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.187	0.374	ug/L	4	03/30/21 19:57	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*46 %*	*Limits: 44-120 %*	*4*	*03/30/21 19:57*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*37 %*	*44-120 %*	*4*	*03/30/21 19:57*	*EPA 8270E*	*S-06*
Phenol-d6 (Surr)			*14 %*	*10-133 %*	*4*	*03/30/21 19:57*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*73 %*	*50-134 %*	*4*	*03/30/21 19:57*	*EPA 8270E*	
2-Fluorophenol (Surr)			*20 %*	*19-120 %*	*4*	*03/30/21 19:57*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*54 %*	*43-140 %*	*4*	*03/30/21 19:57*	*EPA 8270E*	
GW-Dup-1-0321 (A1C0994-02RE1)				**Matrix: Water**		**Batch: 1031161**		
2-Chlorophenol	ND	0.187	0.374	ug/L	4	03/30/21 20:32	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.374	0.748	ug/L	4	03/30/21 20:32	EPA 8270E	
2,4-Dichlorophenol	ND	0.187	0.374	ug/L	4	03/30/21 20:32	EPA 8270E	
2,4-Dimethylphenol	ND	0.187	0.374	ug/L	4	03/30/21 20:32	EPA 8270E	
2,4-Dinitrophenol	ND	0.935	1.87	ug/L	4	03/30/21 20:32	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	0.935	1.87	ug/L	4	03/30/21 20:32	EPA 8270E	
2-Methylphenol	ND	0.0935	0.187	ug/L	4	03/30/21 20:32	EPA 8270E	
3+4-Methylphenol(s)	ND	0.0935	0.187	ug/L	4	03/30/21 20:32	EPA 8270E	
2-Nitrophenol	ND	0.374	0.748	ug/L	4	03/30/21 20:32	EPA 8270E	
4-Nitrophenol	ND	0.374	0.748	ug/L	4	03/30/21 20:32	EPA 8270E	

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Philip Nerenberg For Lisa Domenighini, Client Services Manager

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

ANALYTICAL REPORT

GSI Water Solutions	Project: **J.H. Baxter Water Sample**	
55 SW Yamhill St, Ste 300	Project Number: **0302.029**	**Report ID:**
Portland, OR 97209	Project Manager: **Josh Bale**	**A1C0994 - 07 08 21 2102**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GW-Dup-1-0321 (A1C0994-02RE1)				**Matrix: Water**		**Batch: 1031161**		
Pentachlorophenol (PCP)	**24.5**	0.374	0.748	ug/L	4	03/30/21 20:32	EPA 8270E	
Phenol	ND	0.748	1.50	ug/L	4	03/30/21 20:32	EPA 8270E	
2,3,4,6-Tetrachlorophenol	**0.651**	0.187	0.374	ug/L	4	03/30/21 20:32	EPA 8270E	
2,3,5,6-Tetrachlorophenol	**0.400**	0.187	0.374	ug/L	4	03/30/21 20:32	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.187	0.374	ug/L	4	03/30/21 20:32	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.187	0.374	ug/L	4	03/30/21 20:32	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*79 %*	*Limits: 44-120 %*	*4*	*03/30/21 20:32*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*60 %*	*44-120 %*	*4*	*03/30/21 20:32*	*EPA 8270E*	
Phenol-d6 (Surr)			*24 %*	*10-133 %*	*4*	*03/30/21 20:32*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*70 %*	*50-134 %*	*4*	*03/30/21 20:32*	*EPA 8270E*	
2-Fluorophenol (Surr)			*37 %*	*19-120 %*	*4*	*03/30/21 20:32*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*73 %*	*43-140 %*	*4*	*03/30/21 20:32*	*EPA 8270E*	
GW-W-25-0321 (A1C0994-03RE1)				**Matrix: Water**		**Batch: 1031161**		
2-Chlorophenol	ND	0.187	0.374	ug/L	4	03/30/21 21:07	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.374	0.748	ug/L	4	03/30/21 21:07	EPA 8270E	
2,4-Dichlorophenol	ND	0.187	0.374	ug/L	4	03/30/21 21:07	EPA 8270E	
2,4-Dimethylphenol	ND	0.187	0.374	ug/L	4	03/30/21 21:07	EPA 8270E	
2,4-Dinitrophenol	ND	0.935	1.87	ug/L	4	03/30/21 21:07	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	0.935	1.87	ug/L	4	03/30/21 21:07	EPA 8270E	
2-Methylphenol	ND	0.0935	0.187	ug/L	4	03/30/21 21:07	EPA 8270E	
3+4-Methylphenol(s)	ND	0.0935	0.187	ug/L	4	03/30/21 21:07	EPA 8270E	
2-Nitrophenol	ND	0.374	0.748	ug/L	4	03/30/21 21:07	EPA 8270E	
4-Nitrophenol	ND	0.374	0.748	ug/L	4	03/30/21 21:07	EPA 8270E	
Pentachlorophenol (PCP)	**11.9**	0.374	0.748	ug/L	4	03/30/21 21:07	EPA 8270E	
Phenol	ND	0.748	1.50	ug/L	4	03/30/21 21:07	EPA 8270E	
2,3,4,6-Tetrachlorophenol	**0.340**	0.187	0.374	ug/L	4	03/30/21 21:07	EPA 8270E	**J**
2,3,5,6-Tetrachlorophenol	**0.270**	0.187	0.374	ug/L	4	03/30/21 21:07	EPA 8270E	**J**
2,4,5-Trichlorophenol	ND	0.187	0.374	ug/L	4	03/30/21 21:07	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.187	0.374	ug/L	4	03/30/21 21:07	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*94 %*	*Limits: 44-120 %*	*4*	*03/30/21 21:07*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*68 %*	*44-120 %*	*4*	*03/30/21 21:07*	*EPA 8270E*	
Phenol-d6 (Surr)			*27 %*	*10-133 %*	*4*	*03/30/21 21:07*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*82 %*	*50-134 %*	*4*	*03/30/21 21:07*	*EPA 8270E*	

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Philip Nerenberg For Lisa Domenighini, Client Services Manager

APEX LABORATORIES

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

GSI Water Solutions	Project: **J.H. Baxter Water Sample**	
55 SW Yamhill St, Ste 300	Project Number: **0302.029**	**Report ID:**
Portland, OR 97209	Project Manager: **Josh Bale**	**A1C0994 - 07 08 21 2102**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GW-W-25-0321 (A1C0994-03RE1)				**Matrix: Water**		**Batch: 1031161**		
Surrogate: 2-Fluorophenol (Surr)			*Recovery: 41 %*	*Limits: 19-120 %*	*4*	*03/30/21 21:07*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*83 %*	*43-140 %*	*4*	*03/30/21 21:07*	*EPA 8270E*	
GW-W-26-0321 (A1C0994-04RE2)				**Matrix: Water**		**Batch: 1031212**		
2-Chlorophenol	ND	0.0467	0.0935	ug/L	1	04/01/21 12:42	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.0935	0.187	ug/L	1	04/01/21 12:42	EPA 8270E	
2,4-Dichlorophenol	ND	0.0467	0.0935	ug/L	1	04/01/21 12:42	EPA 8270E	
2,4-Dimethylphenol	ND	0.0467	0.0935	ug/L	1	04/01/21 12:42	EPA 8270E	
2,4-Dinitrophenol	ND	0.234	0.467	ug/L	1	04/01/21 12:42	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	0.234	0.467	ug/L	1	04/01/21 12:42	EPA 8270E	
2-Methylphenol	ND	0.0234	0.0467	ug/L	1	04/01/21 12:42	EPA 8270E	
3+4-Methylphenol(s)	ND	0.0234	0.0467	ug/L	1	04/01/21 12:42	EPA 8270E	
2-Nitrophenol	ND	0.0935	0.187	ug/L	1	04/01/21 12:42	EPA 8270E	
4-Nitrophenol	ND	0.0935	0.187	ug/L	1	04/01/21 12:42	EPA 8270E	
Pentachlorophenol (PCP)	**0.197**	0.0935	0.187	ug/L	1	04/01/21 12:42	EPA 8270E	
Phenol	ND	0.187	0.374	ug/L	1	04/01/21 12:42	EPA 8270E	
2,3,4,6-Tetrachlorophenol	**0.0654**	0.0467	0.0935	ug/L	1	04/01/21 12:42	EPA 8270E	**J**
2,3,5,6-Tetrachlorophenol	ND	0.0467	0.0935	ug/L	1	04/01/21 12:42	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0467	0.0935	ug/L	1	04/01/21 12:42	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0467	0.0935	ug/L	1	04/01/21 12:42	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)			*Recovery: 102 %*	*Limits: 44-120 %*	*1*	*04/01/21 12:42*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*76 %*	*44-120 %*	*1*	*04/01/21 12:42*	*EPA 8270E*	
Phenol-d6 (Surr)			*29 %*	*10-133 %*	*1*	*04/01/21 12:42*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*90 %*	*50-134 %*	*1*	*04/01/21 12:42*	*EPA 8270E*	
2-Fluorophenol (Surr)			*43 %*	*19-120 %*	*1*	*04/01/21 12:42*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*94 %*	*43-140 %*	*1*	*04/01/21 12:42*	*EPA 8270E*	
GW-W-29-0321 (A1C0994-05RE1)				**Matrix: Water**		**Batch: 1031212**		
2-Chlorophenol	ND	0.192	0.385	ug/L	4	03/31/21 22:04	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.385	0.769	ug/L	4	03/31/21 22:04	EPA 8270E	
2,4-Dichlorophenol	ND	0.192	0.385	ug/L	4	03/31/21 22:04	EPA 8270E	
2,4-Dimethylphenol	ND	0.192	0.385	ug/L	4	03/31/21 22:04	EPA 8270E	
2,4-Dinitrophenol	ND	0.962	1.92	ug/L	4	03/31/21 22:04	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	0.962	1.92	ug/L	4	03/31/21 22:04	EPA 8270E	

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Philip Nerenberg

Philip Nerenberg For Lisa Domenighini, Client Services Manager

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

GSI Water Solutions	Project: **J.H. Baxter Water Sample**	
55 SW Yamhill St, Ste 300	Project Number: **0302.029**	**Report ID:**
Portland, OR 97209	Project Manager: **Josh Bale**	**A1C0994 - 07 08 21 2102**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GW-W-29-0321 (A1C0994-05RE1)				**Matrix: Water**		**Batch: 1031212**		
2-Methylphenol	ND	0.0962	0.192	ug/L	4	03/31/21 22:04	EPA 8270E	
3+4-Methylphenol(s)	ND	0.0962	0.192	ug/L	4	03/31/21 22:04	EPA 8270E	
2-Nitrophenol	ND	0.385	0.769	ug/L	4	03/31/21 22:04	EPA 8270E	
4-Nitrophenol	ND	0.385	0.769	ug/L	4	03/31/21 22:04	EPA 8270E	
Pentachlorophenol (PCP)	**3.41**	0.385	0.769	ug/L	4	03/31/21 22:04	EPA 8270E	
Phenol	ND	0.769	1.54	ug/L	4	03/31/21 22:04	EPA 8270E	
2,3,4,6-Tetrachlorophenol	**0.212**	0.192	0.385	ug/L	4	03/31/21 22:04	EPA 8270E	**J**
2,3,5,6-Tetrachlorophenol	**0.203**	0.192	0.385	ug/L	4	03/31/21 22:04	EPA 8270E	**J**
2,4,5-Trichlorophenol	ND	0.192	0.385	ug/L	4	03/31/21 22:04	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.192	0.385	ug/L	4	03/31/21 22:04	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*90 %*	*Limits: 44-120 %*	*4*	*03/31/21 22:04*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*67 %*	*44-120 %*	*4*	*03/31/21 22:04*	*EPA 8270E*	
Phenol-d6 (Surr)			*26 %*	*10-133 %*	*4*	*03/31/21 22:04*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*91 %*	*50-134 %*	*4*	*03/31/21 22:04*	*EPA 8270E*	
2-Fluorophenol (Surr)			*38 %*	*19-120 %*	*4*	*03/31/21 22:04*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*80 %*	*43-140 %*	*4*	*03/31/21 22:04*	*EPA 8270E*	

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Philip Nerenberg

Philip Nerenberg For Lisa Domenighini, Client Services Manager

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ANALYTICAL REPORT

GSI Water Solutions	Project: J.H. Baxter Water Sample	
55 SW Yamhill St, Ste 300	Project Number: 0302.029	Report ID:
Portland, OR 97209	Project Manager: Josh Bale	A1C0994 - 07 08 21 2102

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031161 - EPA 3510C (Acid Extraction)									Water			
Blank (1031161-BLK2)			Prepared: 03/30/21 10:26 Analyzed: 03/30/21 16:26									
EPA 8270E												
2-Chlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
4-Chloro-3-methylphenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
2,4-Dichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4-Dimethylphenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4-Dinitrophenol	ND	0.227	0.455	ug/L	1	---	---	---	---	---	---	
4,6-Dinitro-2-methylphenol	ND	0.227	0.455	ug/L	1	---	---	---	---	---	---	
2-Methylphenol	ND	0.0227	0.0455	ug/L	1	---	---	---	---	---	---	
3+4-Methylphenol(s)	ND	0.0227	0.0455	ug/L	1	---	---	---	---	---	---	
2-Nitrophenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
4-Nitrophenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
Phenol	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
2,3,4,6-Tetrachlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,3,5,6-Tetrachlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4,5-Trichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4,6-Trichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 87 %*		*Limits: 44-120 %*			*Dilution: 1x*				
2-Fluorobiphenyl (Surr)			*54 %*		*44-120 %*			*"*				
Phenol-d6 (Surr)			*30 %*		*10-133 %*			*"*				
p-Terphenyl-d14 (Surr)			*94 %*		*50-134 %*			*"*				
2-Fluorophenol (Surr)			*45 %*		*19-120 %*			*"*				
2,4,6-Tribromophenol (Surr)			*77 %*		*43-140 %*			*"*				
LCS (1031161-BS2)			Prepared: 03/30/21 10:26 Analyzed: 03/30/21 17:01									
EPA 8270E												
2-Chlorophenol	3.22	0.100	0.200	ug/L	2	4.00	---	81	38-120%	---	---	
4-Chloro-3-methylphenol	3.30	0.200	0.400	ug/L	2	4.00	---	82	52-120%	---	---	
2,4-Dichlorophenol	3.11	0.100	0.200	ug/L	2	4.00	---	78	47-121%	---	---	
2,4-Dimethylphenol	3.03	0.100	0.200	ug/L	2	4.00	---	76	31-124%	---	---	
2,4-Dinitrophenol	3.20	0.500	1.00	ug/L	2	4.00	---	80	23-143%	---	---	Q-31
4,6-Dinitro-2-methylphenol	2.83	0.500	1.00	ug/L	2	4.00	---	71	44-137%	---	---	
2-Methylphenol	3.14	0.0500	0.100	ug/L	2	4.00	---	79	30-120%	---	---	
3+4-Methylphenol(s)	2.87	0.0500	0.100	ug/L	2	4.00	---	72	29-120%	---	---	

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ORELAP ID: OR100062

ANALYTICAL REPORT

GSI Water Solutions	Project: J.H. Baxter Water Sample	
55 SW Yamhill St, Ste 300	Project Number: 0302.029	Report ID:
Portland, OR 97209	Project Manager: Josh Bale	A1C0994 - 07 08 21 2102

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031161 - EPA 3510C (Acid Extraction)									Water			
LCS (1031161-BS2)			Prepared: 03/30/21 10:26 Analyzed: 03/30/21 17:01									
2-Nitrophenol	2.92	0.200	0.400	ug/L	2	4.00	---	73	47-123%	---	---	
4-Nitrophenol	1.34	0.200	0.400	ug/L	2	4.00	---	33	10-120%	---	---	
Pentachlorophenol (PCP)	3.24	0.200	0.400	ug/L	2	4.00	---	81	35-138%	---	---	
Phenol	1.32	0.400	0.800	ug/L	2	4.00	---	33	10-120%	---	---	
2,3,4,6-Tetrachlorophenol	2.95	0.100	0.200	ug/L	2	4.00	---	74	50-128%	---	---	
2,3,5,6-Tetrachlorophenol	3.23	0.100	0.200	ug/L	2	4.00	---	81	50-121%	---	---	
2,4,5-Trichlorophenol	3.12	0.100	0.200	ug/L	2	4.00	---	78	53-123%	---	---	
2,4,6-Trichlorophenol	3.21	0.100	0.200	ug/L	2	4.00	---	80	50-125%	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 99 %*	*Limits: 44-120 %*			*Dilution: 2x*					
2-Fluorobiphenyl (Surr)			*62 %*	*44-120 %*			*"*					
Phenol-d6 (Surr)			*35 %*	*10-133 %*			*"*					
p-Terphenyl-d14 (Surr)			*91 %*	*50-134 %*			*"*					
2-Fluorophenol (Surr)			*50 %*	*19-120 %*			*"*					
2,4,6-Tribromophenol (Surr)			*83 %*	*43-140 %*			*"*					
LCS Dup (1031161-BSD2)			Prepared: 03/30/21 10:26 Analyzed: 03/30/21 17:36									Q-19
EPA 8270E												
2-Chlorophenol	2.85	0.100	0.200	ug/L	2	4.00	---	71	38-120%	12	30%	
4-Chloro-3-methylphenol	3.04	0.200	0.400	ug/L	2	4.00	---	76	52-120%	8	30%	
2,4-Dichlorophenol	2.78	0.100	0.200	ug/L	2	4.00	---	69	47-121%	11	30%	
2,4-Dimethylphenol	2.62	0.100	0.200	ug/L	2	4.00	---	66	31-124%	14	30%	
2,4-Dinitrophenol	3.19	0.500	1.00	ug/L	2	4.00	---	80	23-143%	0.2	30%	Q-31
4,6-Dinitro-2-methylphenol	2.93	0.500	1.00	ug/L	2	4.00	---	73	44-137%	3	30%	
2-Methylphenol	2.75	0.0500	0.100	ug/L	2	4.00	---	69	30-120%	13	30%	
3+4-Methylphenol(s)	2.50	0.0500	0.100	ug/L	2	4.00	---	62	29-120%	14	30%	
2-Nitrophenol	2.71	0.200	0.400	ug/L	2	4.00	---	68	47-123%	8	30%	
4-Nitrophenol	1.33	0.200	0.400	ug/L	2	4.00	---	33	10-120%	0.6	30%	
Pentachlorophenol (PCP)	3.34	0.200	0.400	ug/L	2	4.00	---	83	35-138%	3	30%	
Phenol	1.11	0.400	0.800	ug/L	2	4.00	---	28	10-120%	17	30%	
2,3,4,6-Tetrachlorophenol	2.89	0.100	0.200	ug/L	2	4.00	---	72	50-128%	2	30%	
2,3,5,6-Tetrachlorophenol	3.22	0.100	0.200	ug/L	2	4.00	---	81	50-121%	0.3	30%	
2,4,5-Trichlorophenol	2.97	0.100	0.200	ug/L	2	4.00	---	74	53-123%	5	30%	
2,4,6-Trichlorophenol	3.00	0.100	0.200	ug/L	2	4.00	---	75	50-125%	7	30%	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 91 %*	*Limits: 44-120 %*			*Dilution: 2x*					

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Philip Nerenberg For Lisa Domenighini, Client Services Manager

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

GSI Water Solutions	Project: **J.H. Baxter Water Sample**	
55 SW Yamhill St, Ste 300	Project Number: **0302.029**	**Report ID:**
Portland, OR 97209	Project Manager: **Josh Bale**	**A1C0994 - 07 08 21 2102**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031161 - EPA 3510C (Acid Extraction)												**Water**
LCS Dup (1031161-BSD2)				Prepared: 03/30/21 10:26 Analyzed: 03/30/21 17:36								**Q-19**
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 63 %*	*Limits: 44-120 %*	*Dilution: 2x*							
Phenol-d6 (Surr)			*30 %*	*10-133 %*	*"*							
p-Terphenyl-d14 (Surr)			*93 %*	*50-134 %*	*"*							
2-Fluorophenol (Surr)			*41 %*	*19-120 %*	*"*							
2,4,6-Tribromophenol (Surr)			*80 %*	*43-140 %*	*"*							

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ORELAP ID: OR100062

ANALYTICAL REPORT

GSI Water Solutions	Project: J.H. Baxter Water Sample	
55 SW Yamhill St, Ste 300	Project Number: 0302.029	Report ID:
Portland, OR 97209	Project Manager: Josh Bale	A1C0994 - 07 08 21 2102

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031212 - EPA 3510C (Acid Extraction)							Water					
Blank (1031212-BLK2)			Prepared: 03/31/21 10:35 Analyzed: 03/31/21 16:48									
EPA 8270E												
Acenaphthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Carbazole	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
2-Chlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
4-Chloro-3-methylphenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
2,4-Dichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4-Dimethylphenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4-Dinitrophenol	ND	0.227	0.455	ug/L	1	---	---	---	---	---	---	
4,6-Dinitro-2-methylphenol	ND	0.227	0.455	ug/L	1	---	---	---	---	---	---	
2-Methylphenol	ND	0.0227	0.0455	ug/L	1	---	---	---	---	---	---	
3+4-Methylphenol(s)	ND	0.0227	0.0455	ug/L	1	---	---	---	---	---	---	
2-Nitrophenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
4-Nitrophenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
Phenol	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
2,3,4,6-Tetrachlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	

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Philip Nerenberg For Lisa Domenighini, Client Services Manager

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

ANALYTICAL REPORT

GSI Water Solutions	Project: J.H. Baxter Water Sample	
55 SW Yamhill St, Ste 300	Project Number: 0302.029	Report ID:
Portland, OR 97209	Project Manager: Josh Bale	A1C0994 - 07 08 21 2102

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031212 - EPA 3510C (Acid Extraction)												Water
Blank (1031212-BLK2)			Prepared: 03/31/21 10:35 Analyzed: 03/31/21 16:48									
2,3,5,6-Tetrachlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4,5-Trichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4,6-Trichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Diethylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Dimethylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 96 %*		*Limits: 44-120 %*					*Dilution: 1x*		
2-Fluorobiphenyl (Surr)			*56 %*		*44-120 %*					*"*		
Phenol-d6 (Surr)			*32 %*		*10-133 %*					*"*		
p-Terphenyl-d14 (Surr)			*90 %*		*50-134 %*					*"*		
2-Fluorophenol (Surr)			*47 %*		*19-120 %*					*"*		
2,4,6-Tribromophenol (Surr)			*74 %*		*43-140 %*					*"*		
LCS (1031212-BS2)			Prepared: 03/31/21 10:35 Analyzed: 03/31/21 17:23									
EPA 8270E												
Acenaphthene	2.24	0.0200	0.0400	ug/L	2	4.00	---	56	47-122%	---	---	
Acenaphthylene	2.60	0.0200	0.0400	ug/L	2	4.00	---	65	41-130%	---	---	
Anthracene	3.28	0.0200	0.0400	ug/L	2	4.00	---	82	57-123%	---	---	
Benz(a)anthracene	3.63	0.0200	0.0400	ug/L	2	4.00	---	91	58-125%	---	---	
Benzo(a)pyrene	3.71	0.0300	0.0600	ug/L	2	4.00	---	93	54-128%	---	---	
Benzo(b)fluoranthene	3.71	0.0300	0.0600	ug/L	2	4.00	---	93	53-131%	---	---	
Benzo(k)fluoranthene	3.56	0.0300	0.0600	ug/L	2	4.00	---	89	57-129%	---	---	
Benzo(g,h,i)perylene	3.73	0.0200	0.0400	ug/L	2	4.00	---	93	50-134%	---	---	
Chrysene	3.35	0.0200	0.0400	ug/L	2	4.00	---	84	59-123%	---	---	
Dibenz(a,h)anthracene	3.42	0.0200	0.0400	ug/L	2	4.00	---	86	51-134%	---	---	
Fluoranthene	3.55	0.0200	0.0400	ug/L	2	4.00	---	89	57-128%	---	---	
Fluorene	2.74	0.0200	0.0400	ug/L	2	4.00	---	69	52-124%	---	---	
Indeno(1,2,3-cd)pyrene	3.37	0.0200	0.0400	ug/L	2	4.00	---	84	52-134%	---	---	
1-Methylnaphthalene	1.65	0.0400	0.0800	ug/L	2	4.00	---	41	41-120%	---	---	
2-Methylnaphthalene	1.60	0.0400	0.0800	ug/L	2	4.00	---	40	40-121%	---	---	
Naphthalene	1.61	0.0400	0.0800	ug/L	2	4.00	---	40	40-121%	---	---	

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Philip Nerenberg

Philip Nerenberg For Lisa Domenighini, Client Services Manager

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

GSI Water Solutions	Project: J.H. Baxter Water Sample	
55 SW Yamhill St, Ste 300	Project Number: 0302.029	Report ID:
Portland, OR 97209	Project Manager: Josh Bale	A1C0994 - 07 08 21 2102

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031212 - EPA 3510C (Acid Extraction)							**Water**					
LCS (1031212-BS2)			Prepared: 03/31/21 10:35 Analyzed: 03/31/21 17:23									
Phenanthrene	3.09	0.0200	0.0400	ug/L	2	4.00	---	77	59-120%	---	---	
Pyrene	3.50	0.0200	0.0400	ug/L	2	4.00	---	88	57-126%	---	---	
Carbazole	3.85	0.0300	0.0600	ug/L	2	4.00	---	96	60-122%	---	---	
Dibenzofuran	2.46	0.0200	0.0400	ug/L	2	4.00	---	61	53-120%	---	---	
2-Chlorophenol	3.01	0.100	0.200	ug/L	2	4.00	---	75	38-120%	---	---	
4-Chloro-3-methylphenol	3.12	0.200	0.400	ug/L	2	4.00	---	78	52-120%	---	---	
2,4-Dichlorophenol	2.90	0.100	0.200	ug/L	2	4.00	---	72	47-121%	---	---	
2,4-Dimethylphenol	2.83	0.100	0.200	ug/L	2	4.00	---	71	31-124%	---	---	
2,4-Dinitrophenol	3.04	0.500	1.00	ug/L	2	4.00	---	76	23-143%	---	---	Q-31
4,6-Dinitro-2-methylphenol	2.90	0.500	1.00	ug/L	2	4.00	---	72	44-137%	---	---	
2-Methylphenol	2.89	0.0500	0.100	ug/L	2	4.00	---	72	30-120%	---	---	
3+4-Methylphenol(s)	2.64	0.0500	0.100	ug/L	2	4.00	---	66	29-120%	---	---	
2-Nitrophenol	2.78	0.200	0.400	ug/L	2	4.00	---	70	47-123%	---	---	
4-Nitrophenol	1.30	0.200	0.400	ug/L	2	4.00	---	33	10-120%	---	---	
Pentachlorophenol (PCP)	3.24	0.200	0.400	ug/L	2	4.00	---	81	35-138%	---	---	
Phenol	1.19	0.400	0.800	ug/L	2	4.00	---	30	10-120%	---	---	
2,3,4,6-Tetrachlorophenol	2.92	0.100	0.200	ug/L	2	4.00	---	73	50-128%	---	---	
2,3,5,6-Tetrachlorophenol	3.20	0.100	0.200	ug/L	2	4.00	---	80	50-121%	---	---	
2,4,5-Trichlorophenol	2.97	0.100	0.200	ug/L	2	4.00	---	74	53-123%	---	---	
2,4,6-Trichlorophenol	3.09	0.100	0.200	ug/L	2	4.00	---	77	50-125%	---	---	
Bis(2-ethylhexyl)phthalate	3.74	0.400	0.800	ug/L	2	4.00	---	93	55-135%	---	---	
Butyl benzyl phthalate	4.21	0.400	0.800	ug/L	2	4.00	---	105	53-134%	---	---	
Diethylphthalate	3.45	0.400	0.800	ug/L	2	4.00	---	86	56-125%	---	---	
Dimethylphthalate	3.28	0.400	0.800	ug/L	2	4.00	---	82	45-127%	---	---	
Di-n-butylphthalate	4.06	0.400	0.800	ug/L	2	4.00	---	101	59-127%	---	---	
Di-n-octyl phthalate	4.37	0.400	0.800	ug/L	2	4.00	---	109	51-140%	---	---	

Surr: Nitrobenzene-d5 (Surr)	*Recovery: 88 %*	*Limits: 44-120 %*	*Dilution: 2x*
2-Fluorobiphenyl (Surr)	*57 %*	*44-120 %*	*"*
Phenol-d6 (Surr)	*31 %*	*10-133 %*	*"*
p-Terphenyl-d14 (Surr)	*87 %*	*50-134 %*	*"*
2-Fluorophenol (Surr)	*44 %*	*19-120 %*	*"*
2,4,6-Tribromophenol (Surr)	*77 %*	*43-140 %*	*"*

LCS Dup (1031212-BSD2) Prepared: 03/31/21 10:35 Analyzed: 03/31/21 17:59 **Q-19**

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Philip Nerenberg For Lisa Domenighini, Client Services Manager

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

GSI Water Solutions	Project: J.H. Baxter Water Sample	
55 SW Yamhill St, Ste 300	Project Number: 0302.029	Report ID:
Portland, OR 97209	Project Manager: Josh Bale	A1C0994 - 07 08 21 2102

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031212 - EPA 3510C (Acid Extraction)							**Water**					
LCS Dup (1031212-BSD2)			Prepared: 03/31/21 10:35		Analyzed: 03/31/21 17:59							Q-19
EPA 8270E												
Acenaphthene	2.79	0.0200	0.0400	ug/L	2	4.00	---	70	47-122%	22	30%	
Acenaphthylene	3.06	0.0200	0.0400	ug/L	2	4.00	---	77	41-130%	17	30%	
Anthracene	3.25	0.0200	0.0400	ug/L	2	4.00	---	81	57-123%	1	30%	
Benz(a)anthracene	3.55	0.0200	0.0400	ug/L	2	4.00	---	89	58-125%	2	30%	
Benzo(a)pyrene	3.60	0.0300	0.0600	ug/L	2	4.00	---	90	54-128%	3	30%	
Benzo(b)fluoranthene	3.63	0.0300	0.0600	ug/L	2	4.00	---	91	53-131%	2	30%	
Benzo(k)fluoranthene	3.43	0.0300	0.0600	ug/L	2	4.00	---	86	57-129%	4	30%	
Benzo(g,h,i)perylene	3.58	0.0200	0.0400	ug/L	2	4.00	---	90	50-134%	4	30%	
Chrysene	3.25	0.0200	0.0400	ug/L	2	4.00	---	81	59-123%	3	30%	
Dibenz(a,h)anthracene	3.32	0.0200	0.0400	ug/L	2	4.00	---	83	51-134%	3	30%	
Fluoranthene	3.48	0.0200	0.0400	ug/L	2	4.00	---	87	57-128%	2	30%	
Fluorene	3.00	0.0200	0.0400	ug/L	2	4.00	---	75	52-124%	9	30%	
Indeno(1,2,3-cd)pyrene	3.30	0.0200	0.0400	ug/L	2	4.00	---	83	52-134%	2	30%	
1-Methylnaphthalene	2.45	0.0400	0.0800	ug/L	2	4.00	---	61	41-120%	**39**	**30%**	Q-24
2-Methylnaphthalene	2.46	0.0400	0.0800	ug/L	2	4.00	---	62	40-121%	**42**	**30%**	Q-24
Naphthalene	2.38	0.0400	0.0800	ug/L	2	4.00	---	60	40-121%	**39**	**30%**	Q-24
Phenanthrene	3.08	0.0200	0.0400	ug/L	2	4.00	---	77	59-120%	0.3	30%	
Pyrene	3.37	0.0200	0.0400	ug/L	2	4.00	---	84	57-126%	4	30%	
Carbazole	3.76	0.0300	0.0600	ug/L	2	4.00	---	94	60-122%	2	30%	
Dibenzofuran	2.77	0.0200	0.0400	ug/L	2	4.00	---	69	53-120%	12	30%	
2-Chlorophenol	3.07	0.100	0.200	ug/L	2	4.00	---	77	38-120%	2	30%	
4-Chloro-3-methylphenol	3.07	0.200	0.400	ug/L	2	4.00	---	77	52-120%	2	30%	
2,4-Dichlorophenol	2.90	0.100	0.200	ug/L	2	4.00	---	73	47-121%	0.3	30%	
2,4-Dimethylphenol	2.89	0.100	0.200	ug/L	2	4.00	---	72	31-124%	2	30%	
2,4-Dinitrophenol	3.10	0.500	1.00	ug/L	2	4.00	---	77	23-143%	2	30%	Q-31
4,6-Dinitro-2-methylphenol	2.81	0.500	1.00	ug/L	2	4.00	---	70	44-137%	3	30%	
2-Methylphenol	2.88	0.0500	0.100	ug/L	2	4.00	---	72	30-120%	0.5	30%	
3+4-Methylphenol(s)	2.62	0.0500	0.100	ug/L	2	4.00	---	65	29-120%	1	30%	
2-Nitrophenol	2.91	0.200	0.400	ug/L	2	4.00	---	73	47-123%	5	30%	
4-Nitrophenol	1.24	0.200	0.400	ug/L	2	4.00	---	31	10-120%	5	30%	
Pentachlorophenol (PCP)	3.20	0.200	0.400	ug/L	2	4.00	---	80	35-138%	1	30%	
Phenol	1.16	0.400	0.800	ug/L	2	4.00	---	29	10-120%	2	30%	
2,3,4,6-Tetrachlorophenol	2.90	0.100	0.200	ug/L	2	4.00	---	72	50-128%	0.9	30%	

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Philip Nerenberg For Lisa Domenighini, Client Services Manager

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503-718-2323
ORELAP ID: **OR100062**

GSI Water Solutions	Project: **J.H. Baxter Water Sample**	
55 SW Yamhill St, Ste 300	Project Number: **0302.029**	**Report ID:**
Portland, OR 97209	Project Manager: **Josh Bale**	**A1C0994 - 07 08 21 2102**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031212 - EPA 3510C (Acid Extraction)							**Water**					
LCS Dup (1031212-BSD2)			Prepared: 03/31/21 10:35		Analyzed: 03/31/21 17:59							**Q-19**
2,3,5,6-Tetrachlorophenol	3.14	0.100	0.200	ug/L	2	4.00	---	79	50-121%	2	30%	
2,4,5-Trichlorophenol	2.99	0.100	0.200	ug/L	2	4.00	---	75	53-123%	0.5	30%	
2,4,6-Trichlorophenol	3.09	0.100	0.200	ug/L	2	4.00	---	77	50-125%	0.07	30%	
Bis(2-ethylhexyl)phthalate	3.69	0.400	0.800	ug/L	2	4.00	---	92	55-135%	1	30%	
Butyl benzyl phthalate	4.10	0.400	0.800	ug/L	2	4.00	---	103	53-134%	3	30%	
Diethylphthalate	3.33	0.400	0.800	ug/L	2	4.00	---	83	56-125%	4	30%	
Dimethylphthalate	3.17	0.400	0.800	ug/L	2	4.00	---	79	45-127%	3	30%	
Di-n-butylphthalate	3.96	0.400	0.800	ug/L	2	4.00	---	99	59-127%	3	30%	
Di-n-octyl phthalate	4.33	0.400	0.800	ug/L	2	4.00	---	108	51-140%	0.9	30%	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 91 %*		*Limits: 44-120 %*		*Dilution: 2x*					
2-Fluorobiphenyl (Surr)			*63 %*		*44-120 %*		*"*					
Phenol-d6 (Surr)			*30 %*		*10-133 %*		*"*					
p-Terphenyl-d14 (Surr)			*84 %*		*50-134 %*		*"*					
2-Fluorophenol (Surr)			*44 %*		*19-120 %*		*"*					
2,4,6-Tribromophenol (Surr)			*76 %*		*43-140 %*		*"*					

Apex Laboratories

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Philip Nerenberg For Lisa Domenighini, Client Services Manager

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

ANALYTICAL REPORT

GSI Water Solutions	Project: J.H. Baxter Water Sample	
55 SW Yamhill St, Ste 300	Project Number: 0302.029	Report ID:
Portland, OR 97209	Project Manager: Josh Bale	A1C0994 - 07 08 21 2102

SAMPLE PREPARATION INFORMATION

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: 1031161							
A1C0994-01RE1	Water	EPA 8270E	03/23/21 14:42	03/30/21 10:26	1070mL/1mL	1000mL/1mL	0.94
A1C0994-02RE1	Water	EPA 8270E	03/23/21 00:00	03/30/21 10:26	1070mL/1mL	1000mL/1mL	0.94
A1C0994-03RE1	Water	EPA 8270E	03/24/21 09:56	03/30/21 10:26	1070mL/1mL	1000mL/1mL	0.94
Batch: 1031212							
A1C0994-04RE2	Water	EPA 8270E	03/24/21 11:15	03/31/21 10:35	1070mL/1mL	1000mL/1mL	0.94
A1C0994-05RE1	Water	EPA 8270E	03/24/21 10:41	03/31/21 10:35	1040mL/1mL	1000mL/1mL	0.96

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ANALYTICAL REPORT

GSI Water Solutions	Project: J.H. Baxter Water Sample	
55 SW Yamhill St, Ste 300	Project Number: 0302.029	Report ID:
Portland, OR 97209	Project Manager: Josh Bale	A1C0994 - 07 08 21 2102

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 MDL.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-24	The RPD for this spike and spike duplicate is above established control limits. Recoveries for both the spike and spike duplicate are within control limits.
Q-31	Estimated Results. Recovery of Continuing Calibration Verification sample below lower control limit for this analyte. Results are likely biased low.
S-06	Surrogate recovery is outside of established control limits.

Apex Laboratories

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

ANALYTICAL REPORT

GSI Water Solutions	Project: **J.H. Baxter Water Sample**	
55 SW Yamhill St, Ste 300	Project Number: **0302.029**	**Report ID:**
Portland, OR 97209	Project Manager: **Josh Bale**	**A1C0994 - 07 08 21 2102**

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'.

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).

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.

Apex Laboratories

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Philip Nerenberg

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ORELAP ID: **OR100062**

GSI Water Solutions	Project: **J.H. Baxter Water Sample**	
55 SW Yamhill St, Ste 300	Project Number: **0302.029**	**Report ID:**
Portland, OR 97209	Project Manager: **Josh Bale**	**A1C0994 - 07 08 21 2102**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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.

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.

Philip Nerenberg

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

GSI Water Solutions	Project: **J.H. Baxter Water Sample**	
55 SW Yamhill St, Ste 300	Project Number: **0302.029**	**Report ID:**
Portland, OR 97209	Project Manager: **Josh Bale**	**A1C0994 - 07 08 21 2102**

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, LLC
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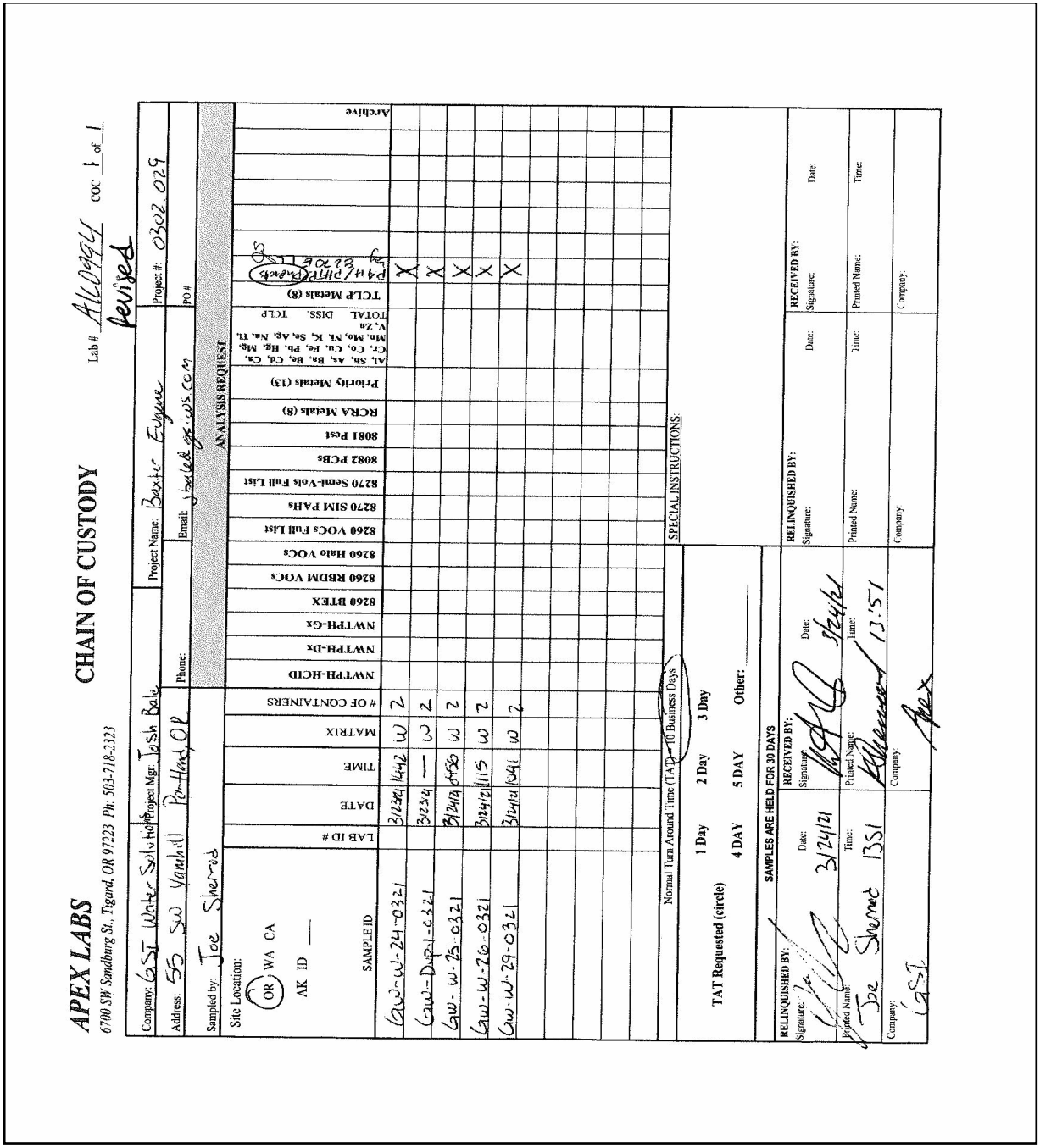
ANALYTICAL REPORT

GSI Water Solutions	Project: **J.H. Baxter Water Sample**	
55 SW Yamhill St, Ste 300	Project Number: **0302.029**	**Report ID:**
Portland, OR 97209	Project Manager: **Josh Bale**	**A1C0994 - 07 08 21 2102**



APEX LABS — CHAIN OF CUSTODY

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

Lab # A1C0994 COC 1 of 1 — Revised

Company: GSI Water Solutions — Project Mgr: Josh Bale — Project Name: Baxter Eugene — Project #: 0302.029

Address: 55 SW Yamhill Portland OR — Phone: — Email: jbale@gsiwc.com — PO #

Sampled by: Joe Sherrod

Site Location: (OR) WA CA AK ID ___

ANALYSIS REQUEST

SAMPLE ID	LAB 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 Pest	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	TCLP Metals (8) TOTAL DISS TCLP	Archive
GW-W-24-0321		3/23/21	1442	W	2															X	
GW-DUP-032121		3/23/21	—	W	2															X	
GW-W-25-0321		3/24/21	0750	W	2															X	
GW-W-26-0321		3/24/21	1115	W	2															X	
GW-W-29-0321		3/24/21	1054	W	2															X	

SPECIAL INSTRUCTIONS:

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: ___

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY: Signature: — Date: 3/24/21 Time: 1351 Printed Name: Joe Sherrod Company: GSI

RECEIVED BY: Signature: — Date: 3/24/21 Time: 13:51 Printed Name: — Company: Apex

RELINQUISHED BY: Signature: — Date: — Time: — Printed Name: — Company: —

RECEIVED BY: Signature: — Date: — Time: — Printed Name: — Company: —

RELINQUISHED BY: Signature: — Date: — Time: — Printed Name: — Company: —

RECEIVED BY: Signature: — Date: — Time: — Printed Name: — Company: —

Apex Laboratories

Philip Nerenberg

Philip Nerenberg For Lisa Domenighini, Client Services Manager

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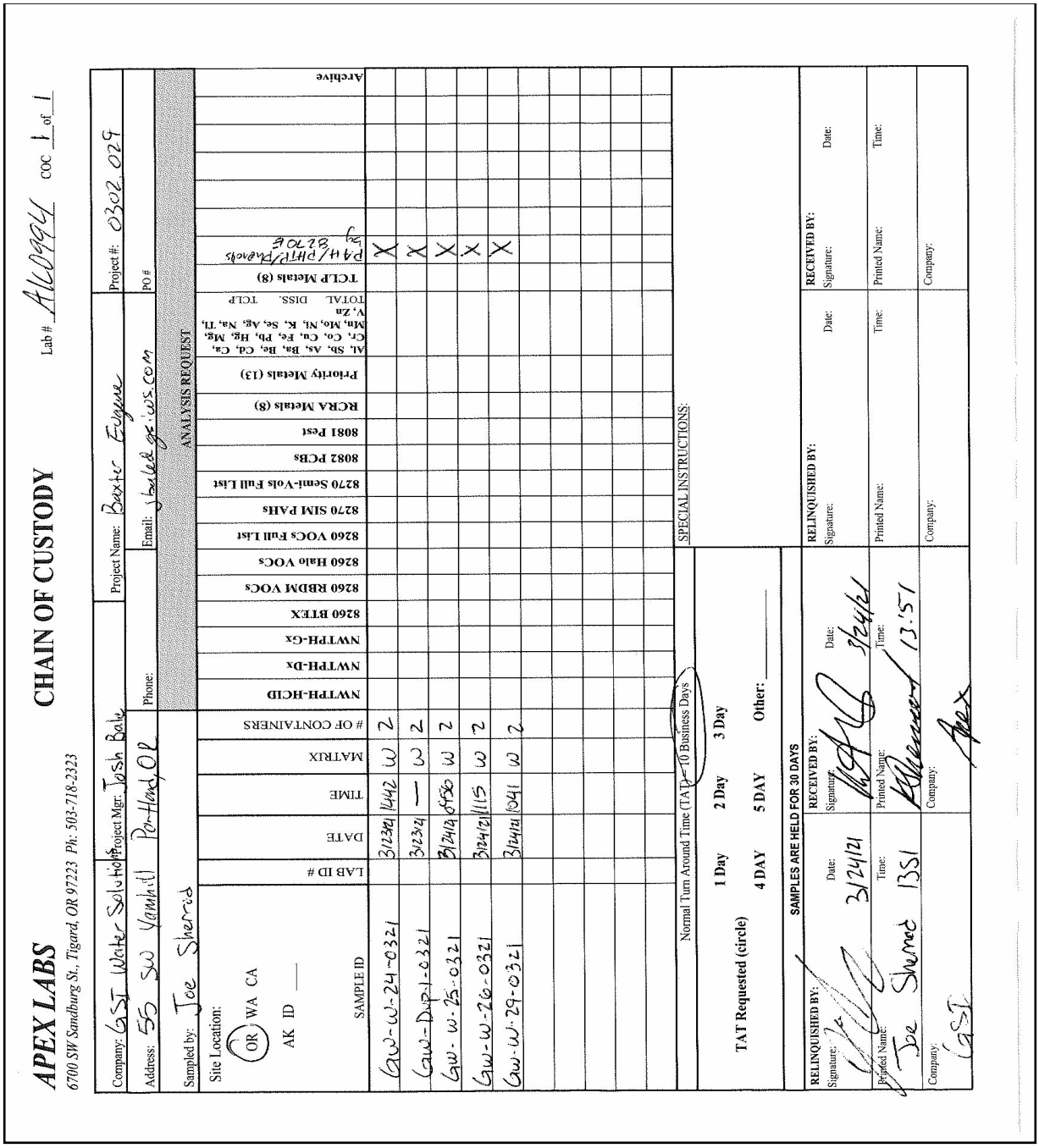
ORELAP ID: **OR100062**

ANALYTICAL REPORT

GSI Water Solutions	Project: **J.H. Baxter Water Sample**	
55 SW Yamhill St, Ste 300	Project Number: **0302.029**	**Report ID:**
Portland, OR 97209	Project Manager: **Josh Bale**	**A1C0994 - 07 08 21 2102**



APEX LABS — CHAIN OF CUSTODY

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

Lab # ALLPDX COC 1 of 1

Company: GSI Water Solutions Project Mgr: Josh Bale Project Name: Baxter Eugene Project #: 0302.029

Address: 55 SW Yamhill St Portland, OR Phone: Email: jbale@gsiwc.com PO #

Sampled by: Joe Sherrid

Site Location: (OR) WA CA AK ID ___

ANALYSIS REQUEST

SAMPLE ID	LAB 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 Pest	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)	P4H/PHT/Phenols 8270E	Archive
GW-W-24-0321		3/23/21	1442	W	2															X	
GW-Dup1-0321		3/23/21	—	W	2															X	
GW-W-25-0321		3/24/21	0930	W	2															X	
GW-W-26-0321		3/24/21	1115	W	2															X	
GW-W-29-0321		3/24/21	1041	W	2															X	

Normal Turn Around Time (TAT) 10 Business Days

TAT Requested (circle) 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: ___

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 3/24/21	Date: 3/24/21	Date:	Date:
Time: 1351	Time: 13:57	Time:	Time:
Printed Name: Joe Sherrid	Printed Name:	Printed Name:	Printed Name:
Company: GSI	Company: Apex	Company:	Company:

Apex Laboratories

Philip Nerenberg

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Philip Nerenberg For Lisa Domenighini, Client Services Manager

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

ANALYTICAL REPORT

GSI Water Solutions	Project: **J.H. Baxter Water Sample**	
55 SW Yamhill St, Ste 300	Project Number: **0302.029**	**Report ID:**
Portland, OR 97209	Project Manager: **Josh Bale**	**A1C0994 - 07 08 21 2102**

APEX LABS COOLER RECEIPT FORM

Client: GSI Water Solutions Element WO#: A1 C0994

Project/Project #: Baxter Eugene

Delivery Info:

Date/time received: 3/24/21 @ 13:57 By: KM

Delivered by: Apex____Client X ESS____FedEx____UPS____Swift____Senvoy____SDS____Other____

Cooler Inspection Date/time inspected: 3/24/21 @ 13:57 By: KM

Chain of Custody included? Yes X No____ Custody seals? Yes____ No X

Signed/dated by client? Yes X No____

Signed/dated by Apex? Yes X No____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	5.4						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	Y						
Ice type: (Gel/Real/Other)	Real						
Condition:	Good						

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: 3/25/21 @ 15:42 By: MS

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

Comments:

Additional information:

Labeled by: KM Witness: JS Cooler Inspected by: KM

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg For Lisa Domenighini, Client Services Manager

APPENDIX B

Groundwater Sampling Forms

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Groundwater Sampling Field Log

JH Baxter - Eugene, Oregon

- DUPLICATE SAMPLE TAKEN @ THIS WELL
- Dedicated pump installed

Date: 3-23-21

1H 2021

Well ID: W-24

Total Depth: 65' (ft)	8.89 (-) DTW: (ft) ~~65~~ Time	=	(x) 0.16 - 2" (x) 0.65 - 4" (x) 1.47 - 6" gal/feet	36.47 gal = Well Casing Volume

Field Conditions: DRY, SUNNY

Decontamination: Alconox + tap wash; Tap rinse; DI rinse

PURGE INFORMATION

X	Purge Method: Submersible Pump
	Purge Method:
X	Refer to calibration log this date, YSI #

Pump Suction Depth (ft BTOC): Purge water disposal: Extraction System

Type of Measurement Method: [ ] 10 oz cup [X] YSI 556 Flow Through Cell

Comments/Exceptions to SAP:

Time	Purge Volume (gallons)	Temp. (°C)	SC (uS/cm)	DO (mg/L)	pH	ORP (mV)	Purge Rate (mL/min)	DTW (ft BTOC)	Pump Speed/*Clarity/ Color/Remarks (NTU)	
Stabilization Criteria		± 0.2	±3% (SC>100) ±5% (SC≤100)	± 0.3	± 0.1	± 10	--	--	± 10% (NTU>5) 3 readings < 5 (NTU<5)	
:	Pump On, Water Reaches the Purge Bucket							Initial		
14:16	0	13.46	500	0.54	7.8	22.7	600	9.01	TURBIDITY 958 -	VC
14:19	.75	13.70	698	0.61	6.81	97.7	176	9.07	TURBIDITY 176 -	CL
14:22	1.1	13.77	707	0.75	6.75	105.1		9.01	" 75 -	CL
14:25	1.5	13.68	713	0.50	6.78	119.9		"		
14:28	1.65	13.52	716	0.62	6.82	130.2		9.01	" 58 -	CL
14:31	2.0	13.72	709	0.36	6.82	132.5		"	47 -	CL
14:34	2.7	13.72	707	0.22	6.86	132.7		9.01	35	VSC
14:37	3.0	13.76	704	0.21	6.87	136.6		9.01	34	AC
14:41	3.75	13.76	699	0.22	6.90	135.5	↓	"	33	"
:										
14:42	Start Sampling									
:	End Sampling									

* VC=Very cloudy CI=Cloudy SC=Slightly Cloudy VSC=Very Slightly Cloudy AC=Almost Clear C=Clear CC=Crystal Clear

JH Baxter - Eugene, Oregon

Date: 3/23/21	Time: 14:42	

Sampling Method (circle one):
(A) dedicated purge tube disconnected from flow through cell
B dedicated sampling port
C other:

Sample I.D. W-24 GW-Well ID-MMYY	Number of sample containers (circle)	Volume of each container	Container Type	Pres.	Analytical Method
Site Wide					
GW-W-24-0321	2	1L	1L Amber	N/A	Phenols by 8270E
GW-Dup-24-0321 DUPLICATE	2	1L	1L AMBER	N/A	PHENOLS BY 8270E

QAQC: **Sample ID & Time--->**

Dups = GW-Dup-X-MMYY
MS/MSD = same sample ID

Sampling Criteria (circle one):

Collect anytime: stabile parameters over 15 minutes(4 readings) with controlled drawdown	(1)
After 3 well casing volumes: stabile parameters but uncontrolled/falling water level	2
After 5 well casing volumes: unstabile parameters with or without drawdown control	3
Pump dry: return anytime if there is adequate volume for containers within 24 hours	4

Comments:

Groundwater Sampling Field Log

JH Baxter - Eugene, Oregon

Date: 3-24-21

2H 2020

Well ID: ~~W-29~~ W-25

Total Depth: 64 (ft)	6.88 (-) DTW: (ft)	Time	=	(x) 0.16 - 2" (x) 0.65 - 4" (x) 1.47 - 6" gal/feet	37.12 gal = Well Casing Volume

Field Conditions:

Decontamination: Alconox + tap wash; Tap rinse; DI rinse

PURGE INFORMATION

X	Purge Method: Submersible Pump
	Purge Method:
X	Refer to calibration log this date, YSI #

Pump Suction Depth (ft BTOC): Purge water disposal: Extraction System

Type of Measurement Method: [ ] 10 oz cup [X] YSI 556 Flow Through Cell

Comments/Exceptions to SAP:

Time	Purge Volume (gallons)	Temp. (°C)	SC (uS/cm)	DO (mg/L)	pH	ORP (mV)	Purge Rate (mL/min)	DTW (ft BTOC)	Pump Speed/*Clarity/ Color/Remarks (NTU)
Stabilization Criteria		± 0.2	±3% (SC>100) ±5% (SC≤100)	± 0.3	± 0.1	± 10	--	--	± 10% (NTU>5) 3 readings < 5 (NTU<5)
09:34	Pump On, Water Reaches the Purge Bucket						300	Initial 7.10	TURB. 20
09:37	1.5	13.78	754	.49	7.12	90.3		7.01	
09:40	.75	14.29	744	.40	7.06	103.5		7.01	13
09:43	1.15	14.22	746	.42	7.06	115.6		"	7
09:46	1.5	14.11	742	.29	7.05	122.1		7.01	7
09:49	1.75	14.36	735	.62	7.04	131.8		"	4
09:52	2.1	19.45	736	.39	7.04	135.5		"	1
09:55	2.65	14.47	737	.51	7.03	140.8	↓	"	1
:									
:									
:									
09:56	Start Sampling								
10:01	End Sampling								

S.C. ↓ C.C. ↓ C.C. "

* VC=Very cloudy CI=Cloudy SC=Slightly Cloudy VSC=Very Slightly Cloudy AC=Almost Clear C=Clear CC=Crystal Clear

JH Baxter - Eugene, Oregon

Date: 3/24/21	Time: 09:56	
Sampling Method (circle one):	(A)	dedicated purge tube disconnected from flow through cell
	B	dedicated sampling port
	C	other:

Sample I.D. Vul-25 / GW-Well ID-MMYY	Number of sample containers (circle)	Volume of each container	Container Type	Pres.	Analytical Method
Site Wide					
GW-W-25/11-0321	2	1L	1L Amber	N/A	Phenols by 8270E

QAQC: **Sample ID & Time--->**

Dups = GW-Dup-X-MMYY
MS/MSD = same sample ID

Sampling Criteria (circle one):

Collect anytime: stabile parameters over 15 minutes(4 readings) with controlled drawdown	(1)
After 3 well casing volumes: stabile parameters but uncontrolled/falling water level	2
After 5 well casing volumes: unstabile parameters with or without drawdown control	3
Pump dry: return anytime if there is adequate volume for containers within 24 hours	4

Comments:

Groundwater Sampling Field Log

JH Baxter - Eugene, Oregon

Date: 3-24-21

1H 2021

Well ID: W-26

Total Depth: 79' (ft)	6.97 (-) DTW: (ft) Time	=	(x) 0.16 - 2" (x) 0.65 - 4" (x) 1.47 - 6" gal/feet	46.82 gal = Well Casing Volume

Field Conditions: COLD - OVERCAST

Decontamination: Alconox + tap wash; Tap rinse; DI rinse

PURGE INFORMATION

X	Purge Method: Submersible Pump
	Purge Method:
X	Refer to calibration log this date, YSI #

Pump Suction Depth (ft BTOC): Purge water disposal: Extraction System

Type of Measurement Method: [ ] 10 oz cup [X] YSI 556 Flow Through Cell

Comments/Exceptions to SAP:

Time	Purge Volume (gallons)	Temp. (°C)	SC (uS/cm)	DO (mg/L)	pH	ORP (mV)	Purge Rate (mL/min)	DTW (ft BTOC)	Pump Speed/*Clarity/ Color/Remarks (NTU)
Stabilization Criteria		± 0.2	±3% (SC>100) ±5% (SC≤100)	± 0.3	± 0.1	± 10	--	--	± 10% (NTU>5) 3 readings < 5 (NTU<5)
10:55	Pump On, Water Reaches the Purge Bucket						400	Initial 7.0	TURBIDITY 44 C.C.
10:58	.25	13.52	71	1.22	7.38	169.2		7.03	"
11:01	.5	13.52	53	1.17	7.04	168.2			"
11:04	.75	13.55	42	1.30	6.65	174.2			46
11:07	1.0	13.67	41	1.24	6.34	182.0			"
11:11	1.5	13.81	40	1.25	6.17	181.6			44 VSC
11:14	1.75	13.68	36	1.31	6.17	181.9			"
:									
:									
:									
:									
11:15	Start Sampling								
11:20	End Sampling								

* VC=Very cloudy CI=Cloudy SC=Slightly Cloudy VSC=Very Slightly Cloudy AC=Almost Clear C=Clear CC=Crystal Clear

JH Baxter - Eugene, Oregon

Date: 3/24/21	Time: 11:15	

Sampling Method (circle one):
(A) dedicated purge tube disconnected from flow through cell
B dedicated sampling port
C other:

Sample I.D. VW-26 / GW-Well ID-MMYY	Number of sample containers (circle)	Volume of each container	Container Type	Pres.	Analytical Method
Site Wide					
GW-W-26-0321	2	1L	1L Amber	N/A	Phenols by 8270E

QAQC: **Sample ID & Time--->** Dups = GW-Dup-X-MMYY MS/MSD = same sample ID	VW-26 1115-1120

Sampling Criteria (circle one):

Collect anytime: stabile parameters over 15 minutes(4 readings) with controlled drawdown	(1)
After 3 well casing volumes: stabile parameters but uncontrolled/falling water level	2
After 5 well casing volumes: unstabile parameters with or without drawdown control	3
Pump dry: return anytime if there is adequate volume for containers within 24 hours	4

Comments:

Groundwater Sampling Field Log

JH Baxter - Eugene, Oregon

Date: 3-24-21

Well ID: ~~W-25~~ W-29

1H 2021

Total Depth: 74.83 (ft)	5.93 ~~64~~ (-) DTW: (ft) Time	=	(x) 0.16 - 2" (x) 0.65 - 4" (x) 1.47 - 6" gal/feet	44.79 gal = Well Casing Volume

Field Conditions:

Decontamination: Alconox + tap wash; Tap rinse; DI rinse

PURGE INFORMATION

X	Purge Method: Submersible Pump
	Purge Method:
X	Refer to calibration log this date, YSI #

Pump Suction Depth (ft BTOC): Purge water disposal: Extraction System

Type of Measurement Method: [ ] 10 oz cup [X] YSI 556 Flow Through Cell

Comments/Exceptions to SAP:

Time	Purge Volume (gallons)	Temp. (°C)	SC (uS/cm)	DO (mg/L)	pH	ORP (mV)	Purge Rate (mL/min)	DTW (ft BTOC)	Pump Speed/*Clarity/ Color/Remarks (NTU)	
Stabilization Criteria		± 0.2	±3% (SC>100) ±5% (SC≤100)	± 0.3	± 0.1	± 10	--	--	± 10% (NTU>5) 3 readings < 5 (NTU<5)	
10:16	Pump On, Water Reaches the Purge Bucket						500	Initial 5.96	TURBIDITY 3	C.C.
10:19	.5	14.46	548	.29	7.35	35.9	↓	↓	"	"
10:22	1.0	14.58	552	.11	7.28	52.6	↓	↓	2	C.C.
10:25	1.25	14.47	555	.22	7.23	73.3	↓	↓	"	"
10:28	1.75	14.46	555	.14	7.20	90.7	↓	↓	3	C.C.
10:31	2.1	14.55	554	.14	7.18	103.4	↓	↓	↓	"
10:34	2.5	14.58	556	.16	7.18	111.3	↓	↓	↓	C.C.
10:37	3.1	14.7	553	.37	7.17	121.2	↓	↓	↓	"
10:40	3.65	14.8	553	.36	7.18	126.2	↓	↓	↓	"
:										
:										
10:41	Start Sampling									
10:45	End Sampling									

* VC=Very cloudy CI=Cloudy SC=Slightly Cloudy VSC=Very Slightly Cloudy AC=Almost Clear C=Clear CC=Crystal Clear

JH Baxter - Eugene, Oregon

Date: 3/24/21	**Time:** 09/10:41	
Sampling Method (circle one):	(A) dedicated purge tube disconnected from flow through cell	
	B dedicated sampling port	
	C other:	

Sample I.D. VW-29 / GW-Well ID-MMYY	Number of sample containers (circle)	Volume of each container	Container Type	Pres.	Analytical Method
Site Wide					
GW-W-29/11-0321	2	1L	1L Amber	N/A	Phenols by 8270E
QAQC: **Sample ID & Time--->** Dups = GW-Dup-X-MMYY MS/MSD = same sample ID	VW-29 1041-1045				

Sampling Criteria (circle one):

Collect anytime: stabile parameters over 15 minutes(4 readings) with controlled drawdown	(1)
After 3 well casing volumes: stabile parameters but uncontrolled/falling water level	2
After 5 well casing volumes: unstabile parameters with or without drawdown control	3
Pump dry: return anytime if there is adequate volume for containers within 24 hours	4

Comments:

APPENDIX C

Time Series Plots: Pentachlorophenol in Groundwater

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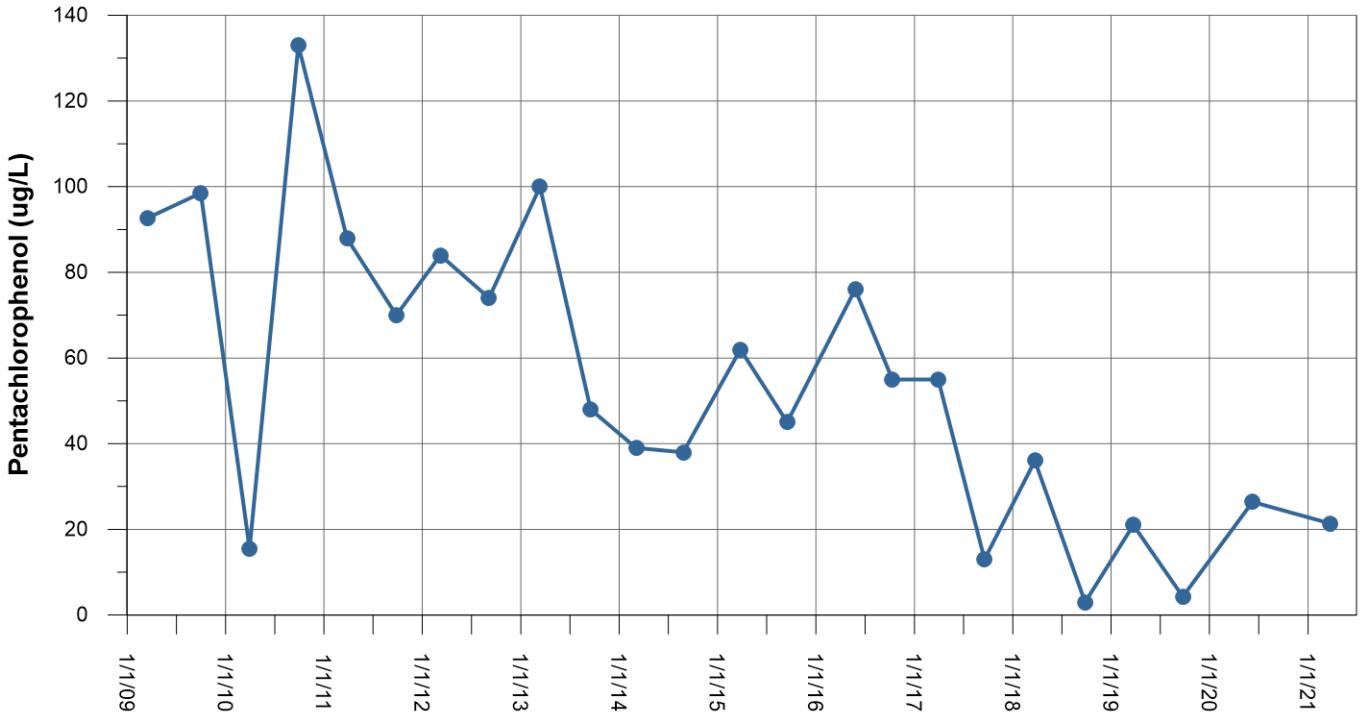
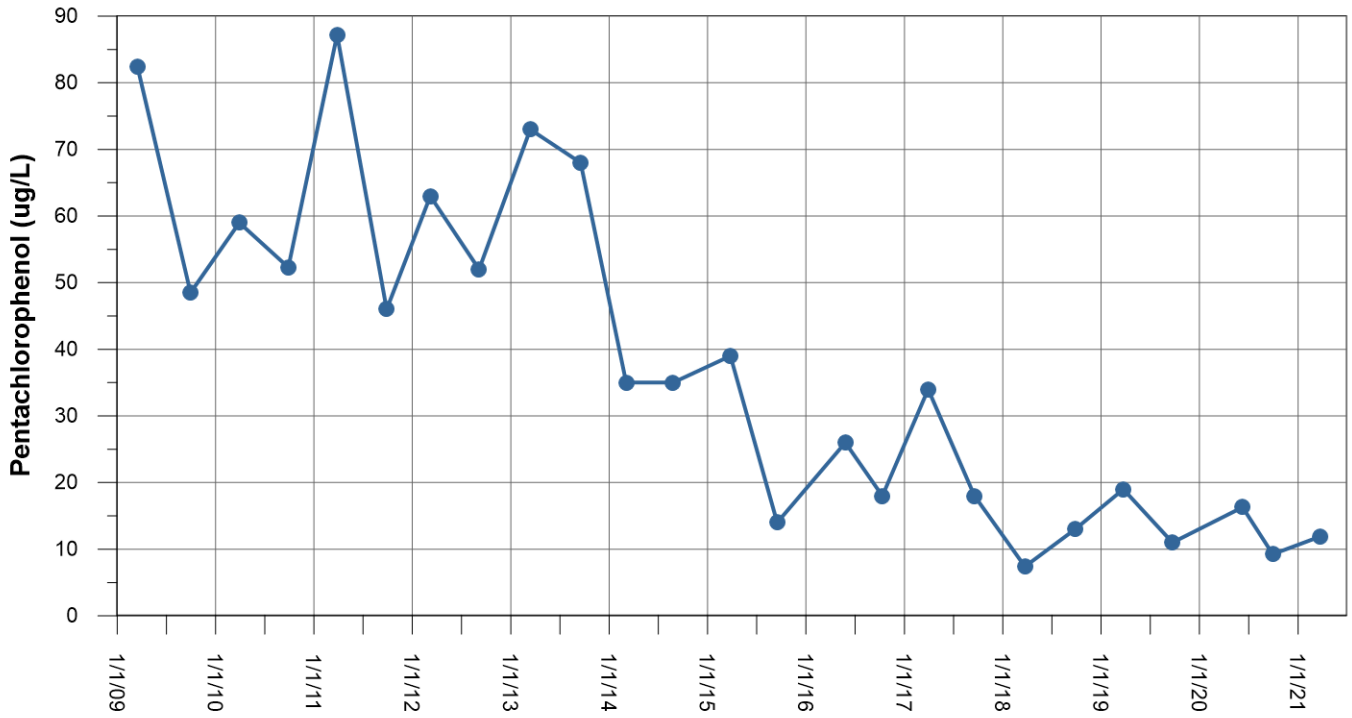
W-24



W-25



Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

FIGURE C-1

Pentachlorophenol Groundwater Concentrations in W-24 and W-25

J.H. Baxter Wood Treating Facility

Eugene, Oregon

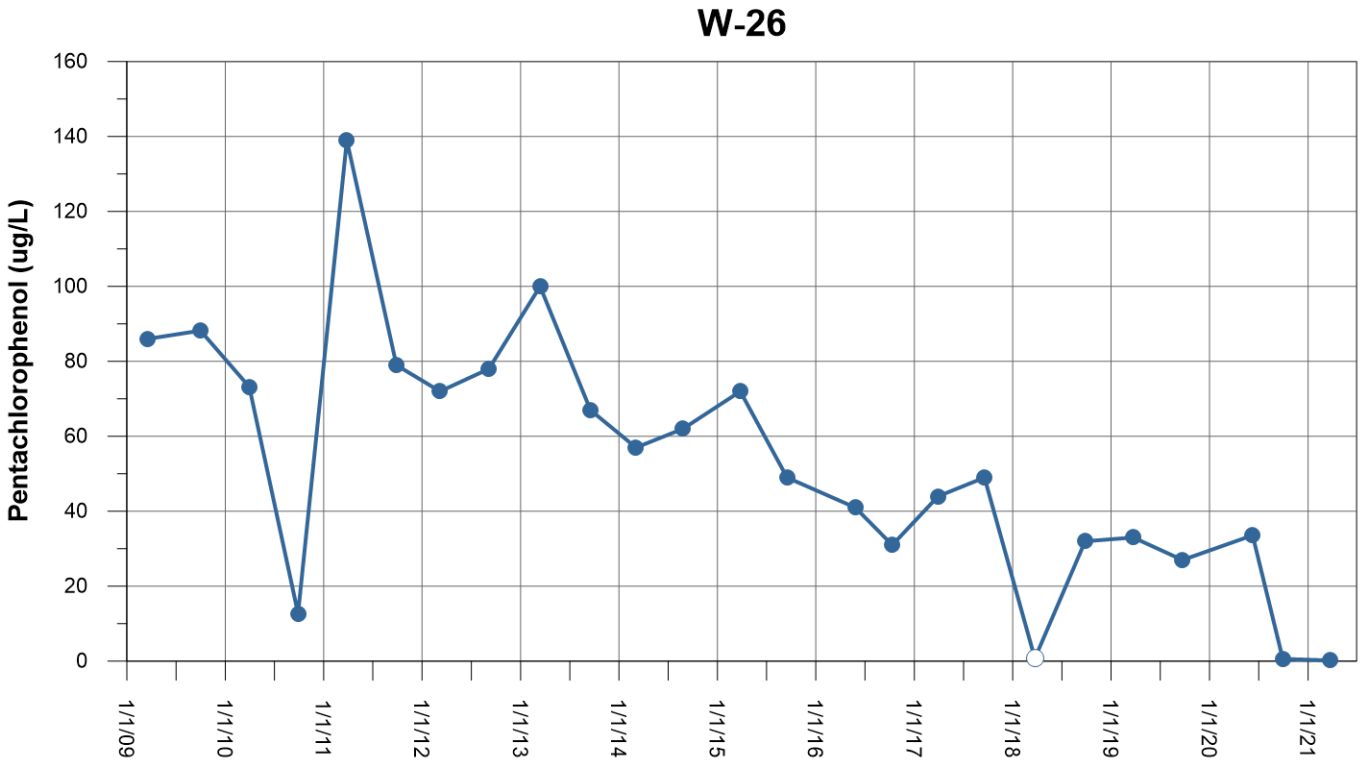
Notes:

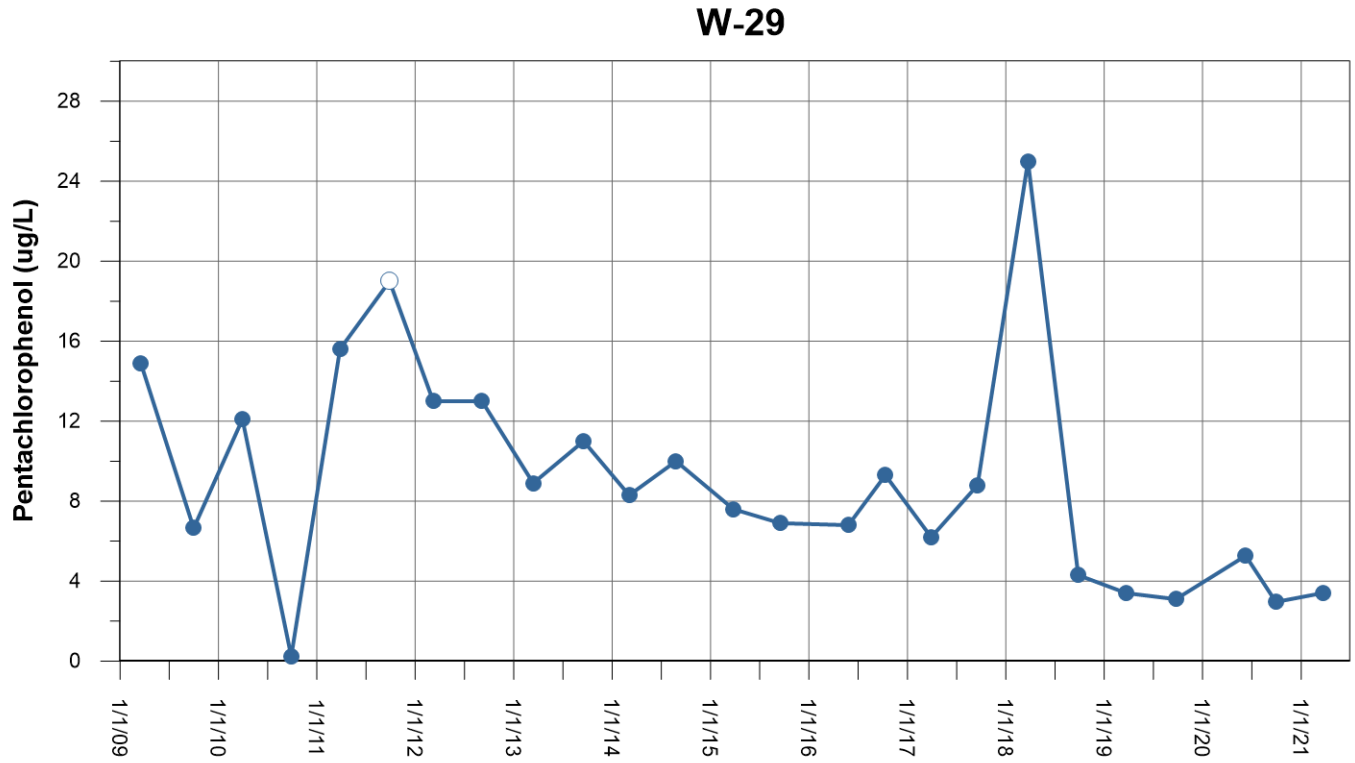
ug/L = microgram per liter

Second Half 2020 results utilized EPA Method 625.1

*W-24 was not sampled in September 2020

GSI Water Solutions, Inc.





Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

FIGURE C-2

Pentachlorophenol Groundwater Concentrations in W-26 and W-29

J.H. Baxter Wood Treating Facility

Eugene, Oregon

Notes:

ug/L = microgram per liter

Second Half 2020 results utilized EPA Method 625.1

GSI Water Solutions, Inc.

APPENDIX D

Groundwater Extraction and Treatment System Data

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Address:
JH Baxter & Co.
PO Box 23138
Eugene, OR 97402

Facility Location:
JH Baxter & Co.
85 N Baxter Rd.
Eugene, Or 97402

DAILY FLOW
OUTFALL 002

Permit # 102432
File # 6553

Date	Time	Initials	Influent GPM	Effluent GPM	Discharged GPD	Remarks
01/01/21	8:00:00	ST	50	50.00	72,000	Jan-21
01/02/21			50	50.00	72,000	Influent GPM is based on pump flow.
01/03/21			50	50.00	72,000	Pump 20-I 35GPM
01/04/21	8:00:00	ST	50	50.00	72,000	Pump 13-I 10GPM
01/05/21	8:00:00	ST	50	50.00	72,000	Pump 13-S 5 GPM
01/06/21	8:00:00	ST	50	50.00	72,000	
01/07/21	8:00:00	ST	50	50.00	72,000	
01/08/21	8:00:00	ST	50	50.00	72,000	Effluent GPM is based on influent gallons per day
01/09/21			50	50.00	72,000	minus the water used for dust suppression
01/10/21			50	50.00	72,000	
01/11/21	8:00:00	ST	50	50.00	72,000	
01/12/21	8:00:00	ST	50	50.00	72,000	
01/13/21	8:00:00	ST	50	50.00	72,000	
01/14/21	8:00:00	ST	50	50.00	72,000	
01/15/21	8:00:00	ST	50	50.00	72,000	
01/16/21			50	50.00	72,000	
01/17/21			50	50.00	72,000	
01/18/21	8:00:00	ST	50	50.00	72,000	
01/19/21	8:00:00	ST	50	50.00	72,000	
01/20/21	8:00:00	ST	50	50.00	72,000	
01/21/21	8:00:00	ST	50	50.00	72,000	
01/22/21	8:00:00	ST	50	50.00	72,000	
01/23/21			50	50.00	72,000	
01/24/21			50	50.00	72,000	Holiday
01/25/21	8:00:00	ST	50	50.00	72,000	Holiday
01/26/21	8:00:00	ST	50	50.00	72,000	
01/27/21	8:00:00	ST	50	50.00	72,000	
01/28/21	8:00:00	ST	50	50.00	72,000	
01/29/21	8:00:00	ST	50	50.00	72,000	
01/30/21			50	50.00	72,000	
01/31/21			50	50.00	72,000	Holiday
Dust Control					0	
					2,232,000	Total gallons discharged
					2,232,000	0.072

NAME TITLE PRINCIPAL EXECUTIVE OFFICER
Scott Thielke
for
Georgia Baxter
President

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C 1001 AND 33 U.S.C. 1319. (*Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.*)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER
(541) 689-3801
AREA CODE

DATE
MO DAY YEAR
02 15 2021

Address:
JH Baxter & Co.
PO Box 23138
Eugene, OR 97402

Facility Location:
JH Baxter & Co.
85 N Baxter Rd.
Eugene, Or 97402

DAILY FLOW
OUTFALL 002

Permit # 102432
File # 6553

Date	Time	Initials	Influent GPM	Effluent GPM	Discharged GPD	Remarks
02/01/21	10:00:00	ST	50	50.00	72,000	**Feb-21**
02/02/21	10:00:00	ST	50	50.00	72,000	Influent GPM is based on pump flow.
02/03/21	10:00:00	ST	50	50.00	72,000	Pump 20-I 35GPM
02/04/21	10:00:00	ST	50	50.00	72,000	Pump 13-I 10GPM
02/05/21	10:00:00	ST	50	50.00	72,000	Pump 13-S 5 GPM
02/06/21			50	50.00	72,000	
02/07/21			50	50.00	72,000	
02/08/21	10:00:00	ST	50	50.00	72,000	Effluent GPM is based on influent gallons per day
02/09/21	10:00:00	ST	50	45.42	65,400	minus the water used for dust suppression
02/10/21	10:00:00	ST	50	50.00	72,000	
02/11/21	10:00:00	ST	50	50.00	72,000	
02/12/21	10:00:00	ST	50	50.00	72,000	
02/13/21			50	50.00	72,000	
02/14/21			50	50.00	72,000	
02/15/21	10:00:00	ST	50	50.00	72,000	
02/16/21	10:00:00	ST	50	50.00	72,000	
02/17/21	10:00:00	ST	50	50.00	72,000	
02/18/21	10:00:00	ST	50	46.93	67,600	
02/19/21	10:00:00	ST	50	50.00	72,000	
02/20/21			50	50.00	72,000	
02/21/21			50	50.00	72,000	
02/22/21	10:00:00	ST	50	46.93	67,600	
02/23/21	10:00:00	ST	50	50.00	72,000	
02/24/21	10:00:00	ST	50	48.47	69,800	
02/25/21	10:00:00	ST	50	50.00	72,000	
02/26/21	10:00:00	ST	50	50.00	72,000	
02/27/21			50	50.00	72,000	
02/28/21			50	50.00	72,000	
	Dust Control Total Gallons				**17,600**	
	February Total Gallons Discharged				**1,998,400**	**Total gallons discharged**
					MGD>	**0.0714**

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Scott Thielke
for
Georgia Baxter
President

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Scott Thielke

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TELEPHONE NUMBER

(541) 689-3801

AREA CODE

DATE

MO DAY YEAR
03 15 2021

Address:
JH Baxter & Co.
PO Box 23138
Eugene, OR 97402

Facility Location:
JH Baxter & Co.
85 N Baxter Rd.
Eugene, Or 97402

DAILY FLOW
OUTFALL 002

Permit # 102432
File # 6553

Date	Time	Initials	Influent GPM	Effluent GPM	Discharged GPD	Dust Control	Remarks
03/01/21	10:00:00	ST	50	42.35	61,000	11,000	Mar-21
03/02/21	10:00:00	ST	50	34.72	50,000	22,000	Influent GPM is based on pump flow.
03/03/21	10:00:00	ST	50	43.88	63,200	8,800	Pump 20-I 35GPM
03/04/21	10:00:00	ST	50	42.35	61,000	11,000	Pump 13-I 10GPM
03/05/21	10:00:00	ST	50	42.35	61,000	11,000	Pump 13-S 5 GPM
03/06/21			50	50.00	72,000	0	
03/07/21			50	50.00	72,000	0	
03/08/21	10:00:00	ST	50	42.35	61,000	11,000	Effluent GPM is based on influent gallons per day
03/09/21	10:00:00	ST	50	50.00	72,000		minus the water used for dust suppression
03/10/21	10:00:00	ST	50	50.00	72,000		
03/11/21	10:00:00	ST	50	42.35	61,000	11,000	
03/12/21	10:00:00	ST	50	34.72	50,000	22,000	
03/13/21			50	50.00	72,000		
03/14/21			50	50.00	72,000		
03/15/21	10:00:00	ST	50	50.00	72,000		
03/16/21	10:00:00	ST	50	42.35	61,000	11,000	
03/17/21	10:00:00	ST	50	36.25	52,200	19,800	
03/18/21	10:00:00	ST	50	31.67	45,600	26,400	
03/19/21	10:00:00	ST	50	46.93	67,600	4,400	
03/20/21			50	50.00	72,000		
03/21/21			50	50.00	72,000		
03/22/21	10:00:00	ST	50	50.00	72,000		
03/23/21	10:00:00	ST	50	50.00	72,000		
03/24/21	10:00:00	ST	50	50.00	72,000		
03/25/21	10:00:00	ST	50	50.00	72,000		
03/26/21	10:00:00	ST	50	50.00	72,000		
03/27/21			50	50.00	72,000		
03/28/21			50	50.00	72,000		
03/29/21	10:00:00	ST	50	48.47	69,800	2,200	
03/30/21	10:00:00	ST	50	36.25	52,200	19,800	
03/31/21	10:00:00	ST	50	50.00	72,000		
	Dust Control Total Gallons				191,400		
	Total Gallons Discharged				2,040,600		
						MGD>	0.0658

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Scott Thielke
for
Georgia Baxter
President

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Scott Thielke
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER
(541) 689-3801
AREA CODE

DATE
MO DAY YEAR
04 15 2021

Address:
JH Baxter & Co.
PO Box 23138
Eugene, OR 97402

Facility Location:
JH Baxter & Co.
85 N Baxter Rd.
Eugene, Or 97402

DAILY FLOW
OUTFALL 002

Permit # 102432
File # 6553

Date	Time	Initials	Influent GPM	Effluent GPM	Discharged GPD	Dust Control	Remarks
03/01/21			50	50.00	72,000		May-21
03/02/21			50	50.00	72,000		Influent GPM is based on pump flow.
03/03/21	10:00:00	ST	50	50.00	72,000		Pump 20-I 35GPM
03/04/21	10:00:00	ST	50	50.00	72,000		Pump 13-I 10GPM
03/05/21	10:00:00	ST	50	50.00	72,000		Pump 13-S 5 GPM
03/06/21	10:00:00	ST	50	50.00	72,000		
03/07/21	10:00:00	ST	50	50.00	72,000		
03/08/21			50	50.00	72,000		Effluent GPM is based on influent gallons per day
03/09/21			50	50.00	72,000		minus the water used for dust suppression
03/10/21	10:00:00	ST	50	50.00	72,000		
03/11/21	10:00:00	ST	50	50.00	72,000		
03/12/21	10:00:00	ST	50	50.00	72,000		
03/13/21	10:00:00	ST	50	50.00	72,000		
03/14/21	10:00:00	ST	50	50.00	72,000		
03/15/21			50	50.00	72,000		
03/16/21			50	50.00	72,000		
03/17/21	10:00:00	ST	50	50.00	72,000		
03/18/21	10:00:00	ST	50	50.00	72,000		
03/19/21	10:00:00	ST	50	50.00	72,000		
03/20/21	10:00:00	ST	50	50.00	72,000		
03/21/21	10:00:00	ST	50	50.00	72,000		
03/22/21			50	50.00	72,000		
03/23/21			50	50.00	72,000		
03/24/21	10:00:00	ST	50	50.00	72,000		
03/25/21	10:00:00	ST	50	50.00	72,000		
03/26/21	10:00:00	ST	50	50.00	72,000		
03/27/21	10:00:00	ST	50	50.00	72,000		
03/28/21	10:00:00	ST	50	50.00	72,000		
03/29/21			50	50.00	72,000		
03/30/21			50	50.00	72,000		
03/31/21	10:00:00	ST	50	50.00	72,000		
	Dust Control Total Gallons				0		
	Total Gallons Discharged				2,232,000		
						MGD>	0.0720
	Total Gallons Treated				2,232,000		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Scott Thielke
for
Georgia Baxter
President

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C 1001 AND 33 U.S.C. 1319. (*Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.*)

Scott Thielke

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER
(541) 689-3801
AREA CODE

DATE
MO DAY YEAR
06 15 2021

Address:
JH Baxter & Co.
PO Box 23138
Eugene, OR 97402

Facility Location:
JH Baxter & Co.
85 N Baxter Rd.
Eugene, Or 97402

DAILY FLOW
OUTFALL 002

Permit # 102432
File # 6553

Date	Time	Initials	Influent GPM	Effluent GPM	Discharged GPD	Dust Control	Remarks
05/01/21			50	50.00	72,000		May-21
05/02/21			50	50.00	72,000		Influent GPM is based on pump flow.
05/03/21	10:00:00	ST	50	13.33	19,200	52,800	Pump 20-I 35GPM
05/04/21	10:00:00	ST	50	16.38	23,600	48,400	Pump 13-I 10GPM
05/05/21	10:00:00	ST	50	20.97	30,200	41,800	Pump 13-S 5 GPM
05/06/21	10:00:00	ST	50	34.72	50,000	22,000	
05/07/21	10:00:00	ST	50	36.25	52,200	19,800	
05/08/21			50	50.00	72,000		Effluent GPM is based on influent gallons per day
05/09/21			50	50.00	72,000		minus the water used for dust suppression
05/10/21	10:00:00	ST	50	19.43	28,000	44,000	
05/11/21	10:00:00	ST	50	11.80	17,000	55,000	
05/12/21	10:00:00	ST	50	7.22	10,400	61,600	
05/13/21	10:00:00	ST	50	8.75	12,600	59,400	
05/14/21	10:00:00	ST	50	11.80	17,000	55,000	
05/15/21			50	50.00	72,000		
05/16/21			50	50.00	72,000		
05/17/21	10:00:00	ST	50	13.33	19,200	52,800	
05/18/21	10:00:00	ST	50	11.80	17,000	55,000	
05/19/21	10:00:00	ST	50	50.00	72,000		
05/20/21	10:00:00	ST	50	45.42	65,400	6,600	
05/21/21	10:00:00	ST	50	43.88	63,200	8,800	
05/22/21			50	50.00	72,000		
05/23/21			50	50.00	72,000		
05/24/21	10:00:00	ST	50	11.80	17,000	55,000	
05/25/21	10:00:00	ST	50	11.80	17,000	55,000	
05/26/21	10:00:00	ST	50	50.00	72,000		
05/27/21	10:00:00	ST	50	37.77	54,400	17,600	
05/28/21	10:00:00	ST	50	46.17	66,500	5,500	
05/29/21			50	50.00	72,000		
05/30/21			50	50.00	72,000		
05/31/21			50	50.00	72,000		Memorial Day - Closed
	Dust Control Total Gallons				716,100		
	Total Gallons Discharged				1,515,900		
	Average GPM Discharged			33.96		MGD>	0.0489
	Total Gallons Treated				2,232,000		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Scott Thielke
for
Georgia Baxter
President

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C 1001 AND 33 U.S.C. 1319. (*Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.*)

Scott Thielke

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER
(541) 689-3801
AREA CODE

DATE
MO DAY YEAR
07 15 2021

Address:
JH Baxter & Co.
PO Box 23138
Eugene, OR 97402

Facility Location:
JH Baxter & Co.
85 N Baxter Rd.
Eugene, Or 97402

DAILY FLOW
OUTFALL 002

Permit # 102432
File # 6553

Date	Time	Initials	Influent GPM	Effluent GPM	Discharged GPD	Dust Control	Remarks
06/01/21	8:38:00	ST	50	14.85	21,400	50,600	May-21
06/02/21	9:30:00	ST	50	7.22	10,400	61,600	Influent GPM is based on pump flow.
06/03/21	9:00:00	ST	50	8.75	12,600	59,400	Pump 20-I 35GPM
06/04/21	10:10:00	ST	50	25.55	36,800	35,200	Pump 13-I 10GPM
06/05/21			50	50.00	72,000		Pump 13-S 5 GPM
06/06/21			50	50.00	72,000		
06/07/21	10:43:00	ST	50	7.22	10,400	61,600	
06/08/21	13:10:00	ST	50	16.38	23,600	48,400	Effluent GPM is based on influent gallons per day
06/09/21	11:00:00	ST	50	17.92	25,800	46,200	minus the water used for dust suppression
06/10/21	13:00:00	ST	50	34.72	50,000	22,000	
06/11/21		ST	50	34.72	50,000	22,000	ALG sampled 002 on 6/3/2021 @12:52
06/12/21			50	50.00	72,000		
06/13/21			50	50.00	72,000		
06/14/21	9:30:00	ST	50	50.00	72,000		
06/15/21	10:45:00	ST	50	34.72	50,000	22,000	
06/16/21	12:10:00	ST	50	19.43	28,000	44,000	
06/17/21	10:20:00	ST	50	11.80	17,000	55,000	
06/18/21	9:30:00	ST	50	9.58	13,800	58,200	
06/19/21			50	50.00	72,000		
06/20/21			50	50.00	72,000		
06/21/21	11:06:00	ST	50	16.38	23,600	48,400	
06/22/21	12:00:00	ST	50	11.80	17,000	55,000	
06/23/21	11:30:00	ST	50	11.80	17,000	55,000	
06/24/21	8:45:00	ST	50	16.38	23,600	48,400	Effluent Temp. 16.7-16.8°c / @1615
06/25/21	8:45:00	ST	50	8.75	12,600	59,400	Effluent Temp. 16.1-16.2°c / @1020
06/26/21			50	50.00	72,000		
06/27/21			50	50.00	72,000		
06/28/21	9:00:00	ST	50	17.92	25,800	46,200	Effluent Temp. 16.7°c/ @0900
06/29/21	10:50:00	ST	50	13.33	19,200	52,800	**Effluent Temp. JHB: 16.2°c/ ALG 16.5°c
06/30/21	9:20:00	ST	50	13.33	19,200	52,800	**Effluent Temp. JHB: 15.3°c/ ALG 16.0°c
							**ALG Labs came back onsite on 6/29 & 6/30
	Dust Control Total Gallons				1,004,200		to re-sample temperature.
	Total Gallons Discharged				1,155,800		
						MGD>	0.0373
	Total Gallons Treated				2,160,000		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Scott Thielke
for
Georgia Baxter
President

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C 1001 AND 33 U.S.C. 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Scott Thielke

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER
(541) 689-3801
AREA CODE

DATE
MO DAY YEAR
07 15 2021

Baxter

Back Wash Log for Ground Water Treatment System

Date	Time	Initials	Sand Filter	1st Carbon Unit	2nd Carbon Unit	Remarks
2-23-21	1400	ST	✓			
2-24-21	1430	ST		✓		
2-25-21	1430	ST			✓	
						ALL SAMPLED 3/4/21
3-5-21	1415	ST	✓			SLOW S.F. ALARM
3-8-21	0745	ST				SYSTEM BACK IN LINE
3-10-21	0845	ST				SLOW SF ALARM - RESET
3-25-21	1345	ST	✓			
3-26-21	1505	ST		✓		
3-29-21	1510	ST			✓	
						4-1-21 ALG HERE TODAY
						MONTHLY SAMPLING
						& RPR
4-26-21	0845	ST	✓			
4-27-21	1045	ST		✓		5-6-21 ALG HERE
4-29-21	1030	ST			✓	TO SAMPLE - MONTHLY
5-26-21	1045	ST	✓			VERY DIRTY
5-27-21	0930	ST		✓		SLOW BEFORE -
5-27-21	1330	ST			✓	DIRTY
						ALG SAMPLED
						6-3-21
6-20-21	1106	ST	✓			CHANGE PROBE S.F. - BACKWASH S.F.
6-22-21	1200	ST	✓	✓		HAVING SOME TROUBLE W/ WATER
					6-22-21	LEVELS & PUMP (S.F.) LOOKS LIKE
						THINGS ARE RUNNING NORMAL NOW
6-23-21					6-23-21	SYSTEM SHUT DOWN @ 4:30 PM
						WILL START BACK UP TOMORROW MORN.

Baxter

Back Wash Log for Ground Water Treatment System

Date	Time	Initials	Sand Filter	1st Carbon Unit	2nd Carbon Unit	Remarks
6-24-21	1430	[illegible]	ELECTRICIAN WAS HERE - EVERYTHING RUNNING OK			
6-25-21	0825	[illegible]	RAN GOOD ALL NIGHT			
6-30-21	1000	[illegible]	SHUT DOWN TO REPLACE SOME PIPE & VALVES			
			BACK ONLINE @ 1600			
7-8-21	0950	[illegible]	ALL HERE SAMPLED			

MARCH 2021

Jaxter

Inspection Log for Ground Water Treatment System

Date	Time	Initials	Pumps Operating	Leaking Valves	Tank Condition	Remarks: Repairs, Time down, etc.
3-4-21	0930	ST	✓	SOME	FAIR	CHANGED PROBE IN S.F.
3-5-21	1430	ST	✓	✓	"	RUNNING —
3-5-21	1440	ST	S45	DOWN		LOST PROBE IN S.F.
3-8-21	0745	ST	✓	SOME	"	BACK ONLINE
3-9-21	0830	ST	✓	"	✓	
3-10-21	0845	ST	✓	"	FAIR	SLOW S.F. ALARM
3-11-21	0840	ST	✓	"	"	RUNNING OK
3-12-21	0900	ST	✓	"	"	RUNNING OK
3-15-21	1600	ST	✓	"	"	NO ALARM - RUNNING OK
3-16-21	0845	ST	✓	"	"	SLOW SF ALARM - RESET
3-17-21	0845	ST	✓	"	FAIR	RUNNING OK — 2482 19
3-18-21	1100	ST	✓	"	"	RUNNING OK - CONTAINMENT NEED'S WORK
3-19-21	0900	ST	✓	"	"	RUNNING - OK
3-22-21	0830	ST	✓	"	"	RUNNING OK
3-23-21	0825	ST	✓	"	"	RUNNING OK
3-24-21	0825	ST	✓	"	"	RUNNING OK
3-25-21	0910	ST	✓	"	"	RUNNING OK
3-26-21	0830	ST	✓	"	"	RUNNING OK
3-29-21	1022	ST	✓	"	"	RUNNING OK
3-30-21	0920	ST	✓	"	"	RUNNING OK
3-31-21	0900	ST	✓	"	"	RUNNING OK

RECORD HR METER #'S STARTING 4-1-21

APRIL 2021

Haxter

Inspection Log for Ground Water Treatment System

Date	Time	Initials	Pumps Operating	Leaking Valves	Tank Condition	Remarks: Repairs, Time down, etc.
4-1-21	0845	[redacted]	✓	SOME	FAIR	RUNNING - OK
4-2-21	0840	[redacted]	✓	"	"	RUNNING - OK
4-5-21	0835	[redacted]	✓	"	"	RUNNING - OK
4-6-21	1210	[redacted]	✓	"	"	RUNNING - OK
4-7-21	1215	[redacted]	✓	"	"	RUNNING - OK
4-8-21	1500	[redacted]	✓	"	"	RUNNING - OK
4-9-21	1045	[redacted]	✓	"	"	RUNNING - OK
4-12-21	1100	[redacted]	✓	"	"	RUNNING - OK
4-13-21	1040	[redacted]	✓	"	"	RUNNING - OK
4-14-21	0845	[redacted]	✓	"	"	RUNNING - OK
4-15-21	0945	[redacted]	✓	"	"	RUNNING - OK
4-19-21	0830	[redacted]	✓	"	"	RUNNING - OK
4-20-21	1330	[redacted]	✓	"	"	RUNNING - OK
4-21-21	0915	[redacted]	✓	"	"	RUNNING - OK
4-22-21	1020	[redacted]	✓	"	"	RUNNING - OK
4-23-21	1030	[redacted]	✓	"	"	RUNNING - OK
4-26-21	0845	[redacted]	✓	"	"	RUNNING - OK
4-27-21	1030	[redacted]	✓	"	"	RUNNING - OK
4-28-21	1400	[redacted]	✓	"	"	RUNNING - OK
4-29-21	1130	[redacted]	✓	"	"	RUNNING - OK
4-30-21	1345	[redacted]	✓	"	"	RUNNING - OK

WP 1 - 11361.49	12085.62	- 724.13 hrs = 30 DAYS/24 HRS/DAY
WP 2 - 12204.35	12948.46	- 744.11 hrs = 31 DAYS/24 HPD
WP 3 - 11770.72	12494.85	- 724.13 hrs = 30 DAYS/24 HPD
3-31-21 0900 [redacted]	4-30-21 [redacted] 13:45	

MAY 2021

Haxter

Inspection Log for Ground Water Treatment System

Date	Time	Initials	Pumps Operating	Leaking Valves	Tank Condition	Remarks: Repairs, Time down, etc.
5-3-21	1315	SA	✓	SOME	FAIR	RUNNING-OK WATER LVL LOW
5-4-21	0930	SA	✓	"	"	RUNNING-OK
5-5-21	1400	SA	✓	"	"	RUNNING-OK
5-6-21	0905	SA	✓	"	"	RUNNING OK
5-7-21	0957	SA	✓	"	"	RUNNING-OK
5-10-21	1430	SA	✓	"	"	RUNNING-OK
5-11-21	0915	SA	✓	"	"	RUNNING OK
5-12-21	1530	SA	✓	"	"	RUNNING OK watering roads a lot
5-13-21	1500	SA	✓	"	"	RUNNING OK
5-14-21	1515	SA	✓	"	"	RUNNING OK
5-17-21	0950	SA	✓	"	"	RUNNING OK OVERCAST
5-18-21	1150	SA	✓	"	"	RUNNING OK "
5-19-21	1525	SA	✓	"	"	RUNNING OK A LITTLE RAIN
5-20-21	1400	SA	✓	"	"	RUNNING OK OVERCAST
5-21-21	1500	SA	✓	"	"	RUNNING OK OVERCAST-RAINING
5-24-21	1245	SA	✓	"	"	RUNNING OK OVERCAST
5-25-21	1510	SA	✓	"	"	RUNNING OK
5-26-21	1030	SA	✓	"	"	RUNNING OK
5-27-21	0930	SA	✓	"	"	RUNNING OK A LITTLE RAIN

WP 1	12885.62	12847.77
WP 2	12948.46	13690.83
WP 3	12494.85	13257.01
4-30-21		6-1-21 0838

JUNE 2021

J Baxter

Inspection Log for Ground Water Treatment System

Date	Time	Initials	Pumps Operating	Leaking Valves	Tank Condition	Remarks: Repairs, Time down, etc.
6-1-21	0838	SA	✓	SOME	FAIR	HOT TODAY
6-2-21	0930	SA	✓	"	"	HOT AGAIN
6-3-21	0900	SA	✓	"	"	SUNNY - 80° EXPECTED
6-4-21	1010	SA	✓	"	"	OVERCAST - MAY RAIN ON WEEKEND
6-7-21	1043	SA	✓	"	"	OVERCAST
6-8-21	1310	SA	✓	"	"	OVERCAST - SUNNY - A LITTLE RAIN
6-9-21	1100	SA	✓	✓	✓	RAINED HARD YES. SUNNY/CLOUDY
6-10-21	1300	SA	✓	"	"	OVERCAST - DRY
6-11-21						OFF
6-14-21	0930	SA	✓	"	"	RAINED ALL WEEKEND DRY TODAY
6-15-21	1045	SA	✓	"	"	CLEANED PROBE/EFF. TANK OVERCAST
6-16-21	1210	SA	✓	"	"	SUNNY - 70° WATERING ROADS
6-17-21	1020	SA	✓	"	"	SUNNY - 69° " "
6-18-21	0930	SA	✓	"	"	SUNNY - 65° - 87 WATERING ROADS
6-21-21	1106	SA	✓	"	"	HOT 92° -
6-22-21	1200	SA	✗	"	"	TROUBLE W/S.F. PUMP - RUNNING ON NOW
6-23-21	1130	SA	✗	"	"	STILL HAVING TROUBLE - ELEC. HAS BEEN CALLED
6-24-21	0845	SA	✗	"	"	" " "
6-25-21	0845	SA	✓	"	"	RAN GOOD ALL NIGHT
6-28-21	0900	SA	✓	"	"	influent temp 15.9°c - 16.0°c
6-29-21	0910	SA	✓	"	"	temp EFF. 16.1°c - 15.9°c
6-30-21	0920	SA	✓	"	"	" " 16.0°c

6-1-21	WP1	12847.77	7-1-21	WP1	13540.99
0838	WP2	13690.83	0938	WP2	14383.89
	WP3	13257.01		WP3	13950.27

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

January 25, 2021

Scott Thielke
J.H. Baxter & Co.
85 Baxter Street
Eugene, OR 97402
TEL: (541) 689-3801
FAX:

RE: Quarterly Order No.: 2101236

Dear Scott Thielke:

Analytical Laboratory Group received 2 sample(s) on 1/7/2021 for the analyses presented in the following report.

The analysis was performed according to our laboratory's NELAP/TNI-approved quality assurance program. Any exceptions to this quality assurance program are noted on the case narrative.

Testing methods used are sufficiently sensitive enough to meet the requirements that support client/permittee NPDES permits that we have on file. The client is responsible for reviewing reports. The permittee is responsible for meeting permit limits.

Quality control data is within laboratory defined or method specified acceptance limits except if noted on the case narrative.

If you have any questions regarding these tests results, please feel free to call.

Kimberly Reever Morghan
Quality Manager
361 West 5th Ave
Eugene, OR 97401

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Case Narrative

WO#: **2101236**
Date: **1/25/2021**

CLIENT: J.H. Baxter & Co.
Project: Quarterly

This report presents the results of the analyses of the sample(s) received on the date above and assigned the listed Analytical Laboratory Group Analytical Report numbers. Test results relate only to the parameters tested and to the samples as received by the laboratory.

All analyses were performed according to the Analytical Laboratory Group, Inc. Quality Assurance Program. All QA/QC requirements were met except as noted below.

Analytical comments are noted with qualifiers (see "Qual" column) or data flags on the reports and/or below.

Pentachlorophenol by EPA 8270C were analyzed by Neilson Research Corporation, Medford OR; ORELAP ID# OR100016. No anomalies associated with the analysis of these sample(s) were reported except as noted in the NRC Case Narrative or qualified with data flags on the NRC report.

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Analytical Report

Date Reported: **1/25/2021**

WO#: 2101236
CLIENT: J.H. Baxter & Co.
Project: Quarterly

Received Date: 1/7/2021 12:05:00 PM
Sampler Name: Jason Inman
Matrix: Environmental Water

Lab ID: 2101236-001 **Client Sample ID** 001 Grab **Collection Date:** 1/7/2021 11:31:00 AM

Analyses	Method	Result	Qual	PQL	LOD	Units	Date Analyzed	Analyst
Zinc	SM 3111 B	**ND**		0.020	0.010	mg/L	01/22/21 11:00	AS
Chromium	SM 3113 B	**ND**		0.0010	0.00052	mg/L	01/21/21 12:00	AS
Copper	SM 3113 B	**ND**		0.0020	0.0010	mg/L	01/16/21 13:00	AS
Lead	SM 3113 B	**ND**		0.0020	0.0010	mg/L	01/19/21 10:00	AS
Arsenic	SM 3113 B	**ND**		0.0020	0.0010	mg/L	01/14/21 13:00	AS
Hardness (As CaCO3)	SM 2340 C	**30**		5.0	1.1	mg/L	01/18/21 12:45	FG
Hydrogen Ion (pH)	SM 4500 H+ B	**7.4**		0	0	pH Units	01/07/21 11:34	JI
Biochemical Oxygen Demand	SM 5210 B	**ND**		2.0	2.0	mg/L	01/08/21 12:13	TG

Lab ID: 2101236-002 **Client Sample ID** 002 Grab **Collection Date:** 1/7/2021 10:53:00 AM

Analyses	Method	Result	Qual	PQL	LOD	Units	Date Analyzed	Analyst
Zinc	SM 3111 B	**ND**		0.020	0.010	mg/L	01/22/21 11:00	AS
Chromium	SM 3113 B	**0.0011**		0.0010	0.00052	mg/L	01/21/21 12:00	AS
Copper	SM 3113 B	**ND**		0.0020	0.0010	mg/L	01/16/21 13:00	AS
Arsenic	SM 3113 B	**ND**		0.0020	0.0010	mg/L	01/14/21 13:00	AS
Hydrogen Ion (pH)	SM 4500 H+ B	**7.5**		0	0	pH Units	01/07/21 10:59	JI

Definitions:

A	Accredited by ORELAP
LOD	Limit of Detection
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
PL	Permit Limit
PQL	Practical Quantitation Level or Reporting Limit

Qualifiers:

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

QC SUMMARY REPORT

25-Jan-21

WO#: 2101236
Client: J.H. Baxter & Co.
Project: Quarterly

QC Type	Sample ID	Analyses	Method	Analysis Date	Result	Units	RL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
MBLK	MB-R36690	Hardness (As CaCO3)	SM 2340 C	1/18/2021	ND	mg/L	5.0									
MBLK	MB-6731	Zinc	SM 3111 B	1/22/2021	ND	mg/L	0.020									
MBLK	MB-6707	Arsenic	SM 3113 B	1/14/2021	ND	µg/L	0.0020									
MBLK	MB-6707	Chromium	SM 3113 B	1/21/2021	ND	µg/L	0.0010									
MBLK	MB-6707	Copper	SM 3113 B	1/16/2021	ND	µg/L	0.0020									
MBLK	MB-6707	Copper	SM 3113 B	1/18/2021	ND	µg/L	0.0020									
MBLK	MB-6707	Lead	SM 3113 B	1/19/2021	ND	µg/L	0.0020									
MBLK	MB-R36531	Biochemical Oxygen Demand	SM 5210 B	1/8/2021	ND	mg/L	2.0									
LCS	LCS-R36690	Hardness (As CaCO3)	SM 2340 C	1/18/2021	71	mg/L	5.0	74.92	0	94.5	85	115				
LCS	LCS-6731	Zinc	SM 3111 B	1/22/2021	0.096	mg/L	0.020	0.1000	0	95.6	85	115				
LCS	LCS-6707	Arsenic	SM 3113 B	1/14/2021	0.0099	µg/L	0.0020	0.010	0	98.9	85	115				
LCS	LCS-6707	Chromium	SM 3113 B	1/21/2021	0.0053	µg/L	0.0010	0.0050	0	107	85	115				
LCS	LCS-6707	Copper	SM 3113 B	1/16/2021	0.010	µg/L	0.0020	0.010	0	102	85	115				
LCS	LCS-6707	Copper	SM 3113 B	1/18/2021	0.011	µg/L	0.0020	0.010	0	113	85	115				
LCS	LCS-6707	Lead	SM 3113 B	1/19/2021	0.0097	µg/L	0.0020	0.010	0	96.7	85	115				
LCS	LCS-R36572	Hydrogen Ion (pH)	SM 4500 H+	1/7/2021	7.0	pH Units	0	7.050	0	100	90	110				
LCS	LCS-R36575	Hydrogen Ion (pH)	SM 4500 H+	1/7/2021	7.0	pH Units	0	7.050	0	100	90	110				
LCS	LCS-R36531	Biochemical Oxygen Demand	SM 5210 B	1/8/2021	180	mg/L	2.0	198.0	0	90.9	84.6	115.4				

Qualifiers:

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Definition Base

WO#: **2101236**
Date: **1/25/2021**

Definitions:

% REC: Percent Recovery; a measure of accuracy expressed as a percentage of a measured (recovered) concentration compared to the known concentration added to the sample.

% RPD: Relative Percent Difference; a measure of precision expressed as a percentage of the difference between two duplicates relative to the average concentration.

DF: Dilution factor; the dilution factor applied to the prepared sample.

DUP: Duplicate; aliquots of a sample taken from the same container under laboratory conditions and processed and analyzed independently, used to calculate Precision (%RPD).

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: The duplicate sample of the LCS, used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: The duplicate sample of the MS, used to calculate both Accuracy (%REC) and Precision (%RPD)

ND: Not Detected. The analyte level is below the lowest point the laboratory can test for.

PL: Permit limit; only applicable to wastewater reports.

PQL: Practical Quantitation Level or Reporting Limit; the limit to which data is compared for reporting.

Qual: Qualifier that applies to the analyte reported

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Definition Base

WO#: **2101236**
Date: **1/25/2021**

Definitions:

Result: Analyte concentration reported

RL: Reporting Limit/Limit of Quantitation; the limit to which data is compared for reporting. Analyte concentrations below the reporting limit are reported as ND or with a "J" qualifier.

Units: The units in which the analyte concentration is reported.

Qualifiers:

*	Value exceeds Maximum Contaminant Level (MCL)
A	Accredited by ORELAP
C	Value is below Minimum Compound Limit.
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
LOD	Limit of Detection
MCL	Maximum Contaminant Level
NAR	See note in Case Narrative
ND	Not Detected at the Reporting Limit
PL	Permit Limit
PQL	Practical Quantitation Level or Reporting Limit
R	RPD outside accepted recovery limits
U	Samples with CalcVal < MDL
W	Sample container temperature was outside of the limits as specified by the method.

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

January 20, 2021

Katrina Garcia
Analytical Laboratory Group, Inc.
361 West Fifth Avenue
Eugene, OR 97401
TEL: (800) 262-5973
FAX (541) 484-5995

RE: 2101236 Order No.: 21010321

Dear Katrina Garcia:

Neilson Research Corporation received 2 sample(s) on 1/8/2021 for the analyses presented in the following report.

The results relate only to the parameters tested or to the sample as received by the laboratory. This report shall not be reproduced except in full, without the written approval of Neilson Research Corporation. If you have any questions regarding these test results, please feel free to call.

Sincerely,
Neilson Research Corporation

Tamra Schmedemann
Senior Project Manager
245 S Grape St
Medford, OR 97501

Original

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Case Narrative

WO#: **21010321**
Date: **1/20/2021**

CLIENT: Analytical Laboratory Group, Inc.
Project: 2101236

The analyses were performed according to the guidelines in the Neilson Research Corporation Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Neilson Research Corporation certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Analytical Report

WO#: **21010321**
Date Reported: **1/20/2021**

CLIENT: Analytical Laboratory Group, Inc.
Lab ID: 21010321-01
Client Sample ID 2101236-001C
Project: 2101236
Sample Location: 001

Collection Date: 1/7/2021 11:31:00 AM
Received Date: 1/8/2021 11:45:00 AM
Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result	Qual	DF	MDL	RL	Units	MCL	Date Analyzed	Analyst
SEMIVOLATILE ORGANICS BY EPA 8270C SIM											
Pentachlorophenol	SW8270C	A	1.13		1	0.0930	0.990	µg/L		01/13/21 21:32	TJW
Surr: 2,4,6-Tribromophenol	SW8270C		107		1	0	60 - 130	%Rec		01/13/21 21:32	TJW

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit

Original

NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028

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Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Analytical Report

WO#: **21010321**
Date Reported: **1/20/2021**

CLIENT: Analytical Laboratory Group, Inc.
Lab ID: 21010321-02
Client Sample ID 2101236-002B
Project: 2101236
Sample Location: 002

Collection Date: 1/7/2021 10:53:00 AM
Received Date: 1/8/2021 11:45:00 AM
Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result	Qual	DF	MDL	RL	Units	MCL	Date Analyzed	Analyst
SEMIVOLATILE ORGANICS BY EPA 8270C SIM											
Pentachlorophenol	SW8270C	A	0.118	J	1	0.0921	0.980	µg/L		01/13/21 22:00	TJW
Surr: 2,4,6-Tribromophenol	SW8270C		109		1	0	60 - 130	%Rec		01/13/21 22:00	TJW

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit

Original

NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028

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Website: www.nrclabs.com

QC SUMMARY REPORT

WO#: **21010321**

20-Jan-21

Client: Analytical Laboratory Group, Inc.
Project: 2101236 **TestCode:** **EPA8270_PENTA**

Sample ID: **MB-10426** SampType: **MBLK** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **1/13/2021** RunNo: **18431**
Client ID: **PBW** Batch ID: **10426** TestNo: **SW8270C** **E3510C** Analysis Date: **1/13/2021** SeqNo: **268563**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1.00									
Surr: 2,4,6-Tribromophenol	20.7		20.00		103	60	130				

Sample ID: **LCS-10426** SampType: **LCS** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **1/13/2021** RunNo: **18431**
Client ID: **LCSW** Batch ID: **10426** TestNo: **SW8270C** **E3510C** Analysis Date: **1/13/2021** SeqNo: **268564**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	9.18	1.00	10.00	0	91.8	70	130				
Surr: 2,4,6-Tribromophenol	22.5		20.00		113	60	130				

Sample ID: **21010305-01AMS** SampType: **MS** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **1/13/2021** RunNo: **18431**
Client ID: **BatchQC** Batch ID: **10426** TestNo: **SW8270C** **E3510C** Analysis Date: **1/13/2021** SeqNo: **268566**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	25.7	0.962	9.615	13.72	124	70	130				
Surr: 2,4,6-Tribromophenol	22.6		19.23		118	60	130				

Sample ID: **21010305-01AMSD** SampType: **MSD** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **1/13/2021** RunNo: **18431**
Client ID: **BatchQC** Batch ID: **10426** TestNo: **SW8270C** **E3510C** Analysis Date: **1/13/2021** SeqNo: **268567**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	25.1	0.980	9.804	13.72	116	70	130	25.67	2.27	25	

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
MI	Recovery outside comtrol limits due to Matrix Interference	ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit				

Original

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

QC SUMMARY REPORT

WO#: **21010321**

20-Jan-21

Client: Analytical Laboratory Group, Inc.
Project: 2101236 **TestCode:** **EPA8270_PENTA**

Sample ID: **21010305-01AMSD**	SampType: **MSD**	TestCode: **EPA8270_PE**	Units: **µg/L**	Prep Date: **1/13/2021**	RunNo: **18431**
Client ID: **BatchQC**	Batch ID: **10426**	TestNo: **SW8270C**	**E3510C**	Analysis Date: **1/13/2021**	SeqNo: **268567**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	23.6		19.61		120	60	130		0	0	

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
MI	Recovery outside comtrol limits due to Matrix Interference	ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit				

Original

NEILSON RESEARCH CORPORATION

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Website: www.nrclabs.com

Sample Log-In Check List

Client Name: **AnalyticalLab** Work Order Number: **21010321** RcptNo: **1**

Logged by:	**Sarah Spence**	**1/8/2021 11:45:00 AM**	Sarah N Spence
Completed By:	**Naomi Orr**	**1/20/2021 11:46:24 AM**	
Reviewed By:	**Naomi Orr**	**1/20/2021 11:46:28 AM**	

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☑
   No. Seal Date: Signed By:
5. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☐ NA ☑ NA
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good				DLN

Lab Order Number 2101033?1

Analytical Laboratory Group, Inc.

361 WEST FIFTH AVENUE
EUGENE, OREGON 97401
800-262-5973/541-485-8404 Fax 541-484-5995
Email: alglabs@alglabsinc.com

ALG ANALYTICAL LABORATORY GROUP — Delivering more than just test results

CHAIN OF CUSTODY

Attention:	Katrina Garcia	Client:	Analytical Laboratory Group, Inc
Phone:	541-485-8404	Address:	361 West 5th Avenue
Fax:	541-484-5995		Eugene, OR 97401
Client Project:	Neilson Research	Source: Environmental	ALG PO# 210108-07

Lab ID	ALG Sample ID	ALG Sample Point	Sample Matrix & Description Grab/Comp	Collection Date	Collection Time	Bottles	Analysis Requested
01	2101236-001C	001	EW/Grab	1/7/21	1131	(3) 8270C	Pentachlorophenol by EPA 8270C SIM
02	2101236-002B	002	EW/Grab	1/7/21	1053	(3) 8270C	Pentachlorophenol by EPA 8270C SIM

Notes:
Please Return Shipper
Include: MDL

1.8°C IRA

Turn Around Time Requested:	Shipped Via:	Refrigerated
Normal	ALG	YES

COC and PO made by:	Date	Time	Received by:	Date	Time
Joshua DiCarlo	1/7/21	16:19			
Relinquished by:	**Date**	**Time**	**Received by:**	**Date**	**Time**
Relinquished by:	**Date**	**Time**	**Received by Laboratory:**	**Date**	**Time**
	1/8/21		Sarah Spence	1/8/2021	1145

Note: Standard Terms and Conditions on Reverse

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Data Flags

WO#: **21010321**
Date: **1/20/2021**

B Analyte detected in the associated method blank.
BA BOD Alternative Calculation: The initial results performed by Standard Methods did not fall within parameters of the Standard Methods calculation. An alternate approved calculation was performed using the HACH method and the value reported is an estimated concentration.
C Sample(s) does not meet NELAP/ORELAP sample acceptance criteria. See Case Narrative.
C1 Sample(s) does not meet NELAP/ORELAP sample acceptance criteria for temperature.
CF Results confirmed by re-analysis.
CU Cleanup performed as specified by method.
D1 The diesel elution pattern for the sample is not typical.
D2 The sample appears to be a heavier hydrocarbon range than diesel.
D3 The sample appears to be a lighter hydrocarbon range than diesel.
D4 Detected hydrocarbons do not have pattern and range consistent with typical petroleum products and may be due to biogenic interference.
D5 Detected hydrocarbons in the diesel range appear to be weathered diesel.
E Estimated value.
ER Elevated reporting limit due to matrix. Report limits (MDLs, MRLs & PQLs) are adjusted based on variations in sample preparation amounts, analytical dilutions, and percent solids, where applicable.
FC Fecal Coliforms: Sample(s) received past 40 CFR Part 136 specified holding time. Results reported as estimated values.
G1 The gasoline elution pattern for the sample is not typical.
G2 The sample appears to be a heavier hydrocarbon range than gasoline.
G3 The sample appears to be a lighter hydrocarbon range than gasoline.
G4 Detected hydrocarbons in the gasoline range appear to be weathered gasoline.
HP Sample re-analysis performed outside of method specified holding time.
HR Sample received outside of method specified holding time.
HS Sample analyzed for volatile organics contained headspace.
HT At the client's request, the sample was analyzed outside of method specified holding time.
H Analysis performed outside of method specified holding time.
J Analyte detected below the Minimum Reporting Limit (MRL) and above the Method Detection Limit (MDL). The J flag result is an estimated value and the user should be aware that this data is of limited reliability.
L Dissolved metals were not filtered within 15 minutes of collection per 40 CFR Part 136.
MI Surrogate, Duplicate Sample (DUP) or Matrix Spikes recoveries are out of control limits due to matrix interference. Sample results may be biased.
N See Case Narrative on page 2 of report.
NLR No Legionella Recovered.
PLR Presence of Legionella Recovered.
Q Initial calibration verification (ICV), continuing calibration verification (CCV) or laboratory control sample (LCS) exceeded high recovery limits, but associated samples are non-detect and the sample results are not affected. Data meets EPA/NELAP requirements.
R Relative percent difference (RPD) is outside of the accepted recovery limits.
R1 Relative percent difference (RPD) is outside of the accepted recovery limits. However, analyses are not controlled on RPD values for sample concentrations that are less than the reporting limit.
R3 The relative percent difference (RPD) and/or percent recovery for the duplicate (DUP) or matrix spike (MS)/matrix spike duplicate (MSD) cannot be accurately calculated due to the concentration of analyte already present in the sample.
R4 Duplicate analysis failed due to result being at or near the method reporting limit.
S Surrogate and/or matrix spike recovery is outside of the accepted recovery limits. Sample results may be biased.
S1 Surrogate or matrix spike recovery is outside of control limits due to dilution necessary for analysis.
SC Sub-contracted to another laboratory for analysis.
SP Sample(s) were not collected per EPA Method 5035A protocols. The results are considered minimum values.
Value exceeds regulatory level for TCLP contaminant.
X1 The motor oil elution pattern for the sample is not typical.
X2 The sample appears to be a heavier hydrocarbon range than motor oil.
X3 The sample appears to be a lighter hydrocarbon range than motor oil.
* Value exceeds Maximum Contaminant Level or is outside the acceptable range.

Work Order # 2101236

LIMS: ARB
Checked: JMN

ALG
ANALYTICAL LABORATORY GROUP
361 WEST FIFTH AVENUE
EUGENE, OREGON 97401
Phone: 541-485-8404 Fax: 541-484-5995
Email: alglabs@alglabsinc.com

EW GENERAL CHAIN OF CUSTODY

Report to:	Scott Thielke	Company:	J.H. Baxter & Co.
Phone:	(541) 689-3801	Address:	85 Baxter Street
Email:	sthielke@jhbaxter.com	City, State, Zip:	Eugene, OR 97402
Client Project:	Quarterly	Sampler Name:	JASON INMAN PER SOP # G141

Sample Point	Sample Matrix & Grab/Comp	Collection Date	Collection Time	Analysis Requested	Bottles -Lab Use Only Type	#	Pres	T °C	Lab ID
001	EW/Grab	1/7/21	1131	As Cu Cr Zn Pb Hardness	J	1		5.4	001A
		↓	↓	BOD	E	1		3.1	001B
		↓	↓	Penta	8270C	3		5.6 6.4 8.7	001C
		↓	↓	pH (field)	J	1		N/A	001D
002	EW/Grab	1/7/21	1053	As Cu Cr Zn	J	1		5.6	002A
		↓	↓	Penta	8270C	3		11.4 10.3 10.0	002B
		↓	↓	pH (field)	J	1		N/A	002C

Notes:
Per EPA requirements pH should be tested within 15 minutes of sample collection.

Field pH Result 001: 7.39
Date/Time/Initial: 1/7/21 1134 JI
Field Temp 001 (May - Oct): 10.0°C
Date/Time/Initial: 1/7/21 1134 JI
Field pH Result 002: 7.52
Date/Time/Initial: 1/7/21 1059 JI
Field Temp 002 (May - Oct): 13.5°C
Date/Time/Initial: 1/7/21 1059 JI

Preservation Check

Lab ID	Date/Time	Pre-Preserved	pH	Tech
001A	1/7/21 1705	N HNO3	<2	AS
2A	↓	↓	<2	AS

Turn Around Time Requested (Rush incurs a Surcharge):
☒ ~~NORMAL~~ ☐ RUSH

Shipped Via: ALG

Refrigerated: (Ice) None

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by Laboratory:	Date	Time
	1/7/21	1205		1-7-21	1205

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

February 19, 2021

Scott Thielke
J.H. Baxter & Co.
85 Baxter Street
Eugene, OR 97402
TEL: (541) 689-3801
FAX:

RE: Monthly Order No.: 2102295

Dear Scott Thielke:

Analytical Laboratory Group received 2 sample(s) on 2/4/2021 for the analyses presented in the following report.

The analysis was performed according to our laboratory's NELAP/TNI-approved quality assurance program. Any exceptions to this quality assurance program are noted on the case narrative.

Testing methods used are sufficiently sensitive enough to meet the requirements that support client/permittee NPDES permits that we have on file. The client is responsible for reviewing reports. The permittee is responsible for meeting permit limits.

Quality control data is within laboratory defined or method specified acceptance limits except if noted on the case narrative.

If you have any questions regarding these tests results, please feel free to call.

Kimberly Reever Morghan
Quality Manager
361 West 5th Ave
Eugene, OR 97401

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Case Narrative

WO#: **2102295**
Date: **2/19/2021**

CLIENT: J.H. Baxter & Co.
Project: Monthly

This report presents the results of the analyses of the sample(s) received on the date above and assigned the listed Analytical Laboratory Group Analytical Report numbers. Test results relate only to the parameters tested and to the samples as received by the laboratory.

All analyses were performed according to the Analytical Laboratory Group, Inc. Quality Assurance Program. All QA/QC requirements were met except as noted below.

Analytical comments are noted with qualifiers (see "Qual" column) or data flags on the reports and/or below.

Pentachlorophenol by EPA 8270C SIM was analyzed by Neilson Research Corporation, Medford OR; ORELAP ID# OR100016. No anomalies associated with the analysis of these sample(s) were reported except as noted in the NRC Case Narrative or qualified with data flags on the NRC report.

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Analytical Report

Date Reported: **2/19/2021**

WO#: 2102295
CLIENT: J.H. Baxter & Co.
Project: Monthly

Received Date: 2/4/2021 1:15:00 PM
Sampler Name: Mike Friese
Matrix: Environmental Water

Lab ID: 2102295-001 **Client Sample ID** 001 Grab **Collection Date:** 2/4/2021 12:34:00 PM

Analyses	Method	Result	Qual	PQL	LOD	Units	Date Analyzed	Analyst
Zinc	SM 3111 B	**ND**		0.020	0.010	mg/L	02/10/21 11:08	AS
Chromium	SM 3113 B	**ND**		0.0010	0.00052	mg/L	02/17/21 11:26	AS
Copper	SM 3113 B	**ND**		0.0020	0.0010	mg/L	02/15/21 11:58	KG
Arsenic	SM 3113 B	**ND**		0.0020	0.0010	mg/L	02/17/21 11:26	AS
Hardness (As CaCO3)	SM 2340 C	**42**		5.0	1.1	mg/L	02/15/21 12:03	KW
Hydrogen Ion (pH)	SM 4500 H+ B	**7.0**		0	0	pH Units	02/04/21 12:37	MF
Biochemical Oxygen Demand	SM 5210 B	**ND**		2.0	2.0	mg/L	02/05/21 09:52	KW

Lab ID: 2102295-002 **Client Sample ID** 002 Grab **Collection Date:** 2/4/2021 12:02:00 PM

Analyses	Method	Result	Qual	PQL	LOD	Units	Date Analyzed	Analyst
Hydrogen Ion (pH)	SM 4500 H+ B	**7.5**		0	0	pH Units	02/04/21 12:05	MF

Definitions:

A	Accredited by ORELAP
LOD	Limit of Detection
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
PL	Permit Limit
PQL	Practical Quantitation Level or Reporting Limit

Qualifiers:

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

QC SUMMARY REPORT

19-Feb-21

WO#: 2102295
Client: J.H. Baxter & Co.
Project: Monthly

QC Type	Sample ID	Analyses	Method	Analysis Date	Result	Units	RL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
MBLK	MB-R37085	Hardness (As CaCO3)	SM 2340 C	2/15/2021	ND	mg/L	5.0									
MBLK	MB-6786	Zinc	SM 3111 B	2/10/2021	ND	mg/L	0.020									
MBLK	MB-6793	Arsenic	SM 3113 B	2/17/2021	ND	µg/L	0.0020									
MBLK	MB-6793	Chromium	SM 3113 B	2/17/2021	ND	µg/L	0.0010									
MBLK	MB-6793	Copper	SM 3113 B	2/15/2021	ND	µg/L	0.0020									
MBLK	MB-R36940	Biochemical Oxygen Demand	SM 5210 B	2/5/2021	ND	mg/L	2.0									
LCS	LCS-R37085	Hardness (As CaCO3)	SM 2340 C	2/15/2021	74	mg/L	5.0	74.92	0	98.2	85	115				
LCS	LCS-6786	Zinc	SM 3111 B	2/10/2021	0.10	mg/L	0.020	0.1000	0	101	85	115				
LCS	LCS-6793	Arsenic	SM 3113 B	2/17/2021	0.010	µg/L	0.0020	0.010	0	101	85	115				
LCS	LCS-6793	Chromium	SM 3113 B	2/17/2021	0.0055	µg/L	0.0010	0.0050	0	110	85	115				
LCS	LCS-6793	Copper	SM 3113 B	2/15/2021	0.010	µg/L	0.0020	0.010	0	101	85	115				
LCS	LCS-R37020	Hydrogen Ion (pH)	SM 4500 H+	2/4/2021	7.0	pH Units	0	7.040	0	100	90	110				
LCS	LCS-R37018	Hydrogen Ion (pH)	SM 4500 H+	2/4/2021	7.0	pH Units	0	7.040	0	100	90	110				
LCS	LCS-R36940	Biochemical Oxygen Demand	SM 5210 B	2/5/2021	210	mg/L	2.0	198.0	0	104	84.6	115.4				

Qualifiers:

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Definition Base

WO#: **2102295**
Date: **2/19/2021**

Definitions:

% REC: Percent Recovery; a measure of accuracy expressed as a percentage of a measured (recovered) concentration compared to the known concentration added to the sample.

% RPD: Relative Percent Difference; a measure of precision expressed as a percentage of the difference between two duplicates relative to the average concentration.

DF: Dilution factor; the dilution factor applied to the prepared sample.

DUP: Duplicate; aliquots of a sample taken from the same container under laboratory conditions and processed and analyzed independently, used to calculate Precision (%RPD).

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: The duplicate sample of the LCS, used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: The duplicate sample of the MS, used to calculate both Accuracy (%REC) and Precision (%RPD)

ND: Not Detected. The analyte level is below the lowest point the laboratory can test for.

PL: Permit limit; only applicable to wastewater reports.

PQL: Practical Quantitation Level or Reporting Limit; the limit to which data is compared for reporting.

Qual: Qualifier that applies to the analyte reported

ALG ORELAP ID #OR100012
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TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Definition Base

WO#: **2102295**
Date: **2/19/2021**

Definitions:

Result: Analyte concentration reported

RL: Reporting Limit/Limit of Quantitation; the limit to which data is compared for reporting. Analyte concentrations below the reporting limit are reported as ND or with a "J" qualifier.

Units: The units in which the analyte concentration is reported.

Qualifiers:

*	Value exceeds Maximum Contaminant Level (MCL)
A	Accredited by ORELAP
C	Value is below Minimum Compound Limit.
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
LOD	Limit of Detection
MCL	Maximum Contaminant Level
NAR	See note in Case Narrative
ND	Not Detected at the Reporting Limit
PL	Permit Limit
PQL	Practical Quantitation Level or Reporting Limit
R	RPD outside accepted recovery limits
U	Samples with CalcVal < MDL
W	Sample container temperature was outside of the limits as specified by the method.

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

February 18, 2021

Katrina Garcia
Analytical Laboratory Group, Inc.
361 West Fifth Avenue
Eugene, OR 97401
TEL: (800) 262-5973
FAX (541) 484-5995

RE: 2102295 Order No.: 21020363

Dear Katrina Garcia:

Neilson Research Corporation received 2 sample(s) on 2/5/2021 for the analyses presented in the following report.

The results relate only to the parameters tested or to the sample as received by the laboratory. This report shall not be reproduced except in full, without the written approval of Neilson Research Corporation. If you have any questions regarding these test results, please feel free to call.

Sincerely,
Neilson Research Corporation

Tamra Schmedemann
Senior Project Manager
245 S Grape St
Medford, OR 97501

Original

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Case Narrative

WO#: **21020363**
Date: **2/18/2021**

CLIENT: Analytical Laboratory Group, Inc.
Project: 2102295

The analyses were performed according to the guidelines in the Neilson Research Corporation Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Neilson Research Corporation certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
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Medford, OR 97501
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Analytical Report

WO#: **21020363**
Date Reported: **2/18/2021**

CLIENT: Analytical Laboratory Group, Inc.
Lab ID: 21020363-01
Client Sample ID 2102295-001C
Project: 2102295
Sample Location: 001

Collection Date: 2/4/2021 12:34:00 PM
Received Date: 2/5/2021 10:30:00 AM
Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result	Qual	DF	MDL	RL	Units	MCL	Date Analyzed	Analyst
SEMIVOLATILE ORGANICS BY EPA 8270C SIM											
Pentachlorophenol	SW8270C	A	0.614	J	1	0.476	0.990	µg/L		02/09/21 19:06	TJW
Surr: 2,4,6-Tribromophenol	SW8270C		92.0		1	0	60 - 130	%Rec		02/09/21 19:06	TJW

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit

Original

NELAP

NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028

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Neilson Research Corporation
245 S Grape St
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TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Analytical Report

WO#: **21020363**
Date Reported: **2/18/2021**

CLIENT: Analytical Laboratory Group, Inc.
Lab ID: 21020363-02
Client Sample ID 2102295-002A
Project: 2102295
Sample Location: 002

Collection Date: 2/4/2021 12:02:00 PM
Received Date: 2/5/2021 10:30:00 AM
Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result	Qual	DF	MDL	RL	Units	MCL	Date Analyzed	Analyst
SEMIVOLATILE ORGANICS BY EPA 8270C SIM											
Pentachlorophenol	SW8270C	A	0.590	J	1	0.480	1.00	µg/L		02/09/21 19:35	TJW
Surr: 2,4,6-Tribromophenol	SW8270C		88.4		1	0	60 - 130	%Rec		02/09/21 19:35	TJW

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit

Original

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Website: www.nrclabs.com

QC SUMMARY REPORT

WO#: **21020363**

18-Feb-21

Client: Analytical Laboratory Group, Inc.
Project: 2102295 **TestCode:** **EPA8270_PENTA**

Sample ID: **MB-10780** SampType: **MBLK** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **2/9/2021** RunNo: **19118**
Client ID: **PBW** Batch ID: **10780** TestNo: **SW8270C** **E3510C** Analysis Date: **2/9/2021** SeqNo: **282708**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1.00									
Surr: 2,4,6-Tribromophenol	15.9		20.00		79.6	60	130				

Sample ID: **LCS-10780** SampType: **LCS** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **2/9/2021** RunNo: **19118**
Client ID: **LCSW** Batch ID: **10780** TestNo: **SW8270C** **E3510C** Analysis Date: **2/9/2021** SeqNo: **282709**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	9.19	1.00	10.00	0	91.9	70	130				
Surr: 2,4,6-Tribromophenol	16.6		20.00		82.8	60	130				

Sample ID: **21020357-01AMS** SampType: **MS** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **2/9/2021** RunNo: **19118**
Client ID: **BatchQC** Batch ID: **10780** TestNo: **SW8270C** **E3510C** Analysis Date: **2/9/2021** SeqNo: **282711**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	16.2	0.948	9.479	7.204	95.4	70	130				
Surr: 2,4,6-Tribromophenol	16.8		18.96		88.8	60	130				

Sample ID: **21020357-01AMSD** SampType: **MSD** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **2/9/2021** RunNo: **19118**
Client ID: **BatchQC** Batch ID: **10780** TestNo: **SW8270C** **E3510C** Analysis Date: **2/9/2021** SeqNo: **282712**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	17.6	0.948	9.479	7.204	110	70	130	16.25	7.90	25	

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
MI	Recovery outside comtrol limits due to Matrix Interference	ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit				

Original

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Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

QC SUMMARY REPORT

WO#: **21020363**

18-Feb-21

Client: Analytical Laboratory Group, Inc.
Project: 2102295 **TestCode:** **EPA8270_PENTA**

Sample ID: **21020357-01AMSD** SampType: **MSD** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **2/9/2021** RunNo: **19118**
Client ID: **BatchQC** Batch ID: **10780** TestNo: **SW8270C** **E3510C** Analysis Date: **2/9/2021** SeqNo: **282712**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	17.6		18.96		92.6	60	130		0	0	

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
MI	Recovery outside comtrol limits due to Matrix Interference	ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit				

Original

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
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Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Sample Log-In Check List

Client Name: **AnalyticalLab** Work Order Number: **21020363** RcptNo: **1**

Logged by:	**Ty Bryde**	**2/5/2021 10:30:00 AM**	
Completed By:	**Naomi Orr**	**2/18/2021 11:00:11 AM**	
Reviewed By:	**Naomi Orr**	**2/18/2021 11:00:14 AM**	

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No ☐	Not Present	☐
2.	How was the sample delivered?	Client				

Log In

3.	Coolers are present?	Yes	☑	No ☐	NA	☐
4.	Shipping container/cooler in good condition?	Yes	☑	No ☐		
	Custody seals intact on shipping container/cooler?	Yes	☐	No ☐	Not Present	☑
	No. Seal Date: Signed By:					
5.	Was an attempt made to cool the samples?	Yes	☑	No ☐	NA	☐
6.	Were all samples received at a temperature of >0° C to 6.0°C	Yes	☑	No ☐	NA	☐
7.	Sample(s) in proper container(s)?	Yes	☑	No ☐		
8.	Sufficient sample volume for indicated test(s)?	Yes	☑	No ☐		
9.	Are samples (except VOA and ONG) properly preserved?	Yes	☑	No ☐		
10.	Was preservative added to bottles?	Yes	☐	No ☐	NA	☑
					NA	
11.	Is the headspace in the VOA vials less than 1/4 inch or 6 mm?	Yes	☐	No ☐	No VOA Vials	☑
12.	Were any sample containers received broken?	Yes	☐	No ☑		
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes	☑	No ☐		
14.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No ☐		
15.	Is it clear what analyses were requested?	Yes	☑	No ☐		
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes	☑	No ☐		

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes	☐	No ☐	NA	☑

Person Notified: Date

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.2	Good				TCB

Lab Order Number 2102295

Analytical Laboratory Group, Inc.

361 WEST FIFTH AVENUE
EUGENE, OREGON 97401
800-262-5973/541-485-8404 Fax 541-484-5995
Email: alglabs@alglabsinc.com

ALG ANALYTICAL LABORATORY GROUP

Delivering more than just test results

CHAIN OF CUSTODY

Attention:	Katrina Garcia	Client:	Analytical Laboratory Group, Inc
Phone:	541-485-8404	Address:	361 West 5th Avenue
Fax:	541-484-5995		Eugene, OR 97401
Client Project:	Neilson Research	Source: Environmental	ALG PO# 210205-09

Lab ID	ALG Sample ID	ALG Sample Point	Sample Matrix & Description Grab/Comp	Collection Date	Collection Time	Bottles	Analysis Requested
01	2102295-001C	001	EW/Grab	2/4/21	1234	(3) 8270C	Pentachlorophenol by EPA 8270C SIM
02	2102295-002A	002	EW/Grab	2/4/21	1202	(3) 8270C	Pentachlorophenol by EPA 8270C SIM

Notes:
Please Return Shipper
Include: MDL

Turn Around Time Requested:	Shipped Via:	Refrigerated
Normal	ALG	YES 0.2°C IR-A

	Date	Time		Date	Time
COC and PO made by: Joshua DiCarlo	2/4/21	17:05	Received by:		
Relinquished by:			Received by:		
Relinquished by:	2/5/21		Received by Laboratory:	2/5/2021	1030

Note: Standard Terms and Conditions on Reverse

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
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Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Data Flags

WO#: **21020363**
Date: **2/18/2021**

B Analyte detected in the associated method blank.
BA BOD Alternative Calculation: The initial results performed by Standard Methods did not fall within parameters of the Standard Methods calculation. An alternate approved calculation was performed using the HACH method and the value reported is an estimated concentration.
C Sample(s) does not meet NELAP/ORELAP sample acceptance criteria. See Case Narrative.
C1 Sample(s) does not meet NELAP/ORELAP sample acceptance criteria for temperature.
CF Results confirmed by re-analysis.
CU Cleanup performed as specified by method.
D1 The diesel elution pattern for the sample is not typical.
D2 The sample appears to be a heavier hydrocarbon range than diesel.
D3 The sample appears to be a lighter hydrocarbon range than diesel.
D4 Detected hydrocarbons do not have pattern and range consistent with typical petroleum products and may be due to biogenic interference.
D5 Detected hydrocarbons in the diesel range appear to be weathered diesel.
E Estimated value.
ER Elevated reporting limit due to matrix. Report limits (MDLs, MRLs & PQLs) are adjusted based on variations in sample preparation amounts, analytical dilutions, and percent solids, where applicable.
FC Fecal Coliforms: Sample(s) received past 40 CFR Part 136 specified holding time. Results reported as estimated values.
G1 The gasoline elution pattern for the sample is not typical.
G2 The sample appears to be a heavier hydrocarbon range than gasoline.
G3 The sample appears to be a lighter hydrocarbon range than gasoline.
G4 Detected hydrocarbons in the gasoline range appear to be weathered gasoline.
HP Sample re-analysis performed outside of method specified holding time.
HR Sample received outside of method specified holding time.
HS Sample analyzed for volatile organics contained headspace.
HT At the client's request, the sample was analyzed outside of method specified holding time.
H Analysis performed outside of method specified holding time.
J Analyte detected below the Minimum Reporting Limit (MRL) and above the Method Detection Limit (MDL). The J flag result is an estimated value and the user should be aware that this data is of limited reliability.
L Dissolved metals were not filtered within 15 minutes of collection per 40 CFR Part 136.
MI Surrogate, Duplicate Sample (DUP) or Matrix Spikes recoveries are out of control limits due to matrix interference. Sample results may be biased.
N See Case Narrative on page 2 of report.
NLR No Legionella Recovered.
PLR Presence of Legionella Recovered.
Q Initial calibration verification (ICV), continuing calibration verification (CCV) or laboratory control sample (LCS) exceeded high recovery limits, but associated samples are non-detect and the sample results are not affected. Data meets EPA/NELAP requirements.
R Relative percent difference (RPD) is outside of the accepted recovery limits.
R1 Relative percent difference (RPD) is outside of the accepted recovery limits. However, analyses are not controlled on RPD values for sample concentrations that are less than the reporting limit.
R3 The relative percent difference (RPD) and/or percent recovery for the duplicate (DUP) or matrix spike (MS)/matrix spike duplicate (MSD) cannot be accurately calculated due to the concentration of analyte already present in the sample.
R4 Duplicate analysis failed due to result being at or near the method reporting limit.
S Surrogate and/or matrix spike recovery is outside of the accepted recovery limits. Sample results may be biased.
S1 Surrogate or matrix spike recovery is outside of control limits due to dilution necessary for analysis.
SC Sub-contracted to another laboratory for analysis.
SP Sample(s) were not collected per EPA Method 5035A protocols. The results are considered minimum values.
Value exceeds regulatory level for TCLP contaminant.
X1 The motor oil elution pattern for the sample is not typical.
X2 The sample appears to be a heavier hydrocarbon range than motor oil.
X3 The sample appears to be a lighter hydrocarbon range than motor oil.
* Value exceeds Maximum Contaminant Level or is outside the acceptable range.

Work Order # 2102295

LIMS: AC
Checked: KJ

ALG
361 WEST FIFTH AVENUE
EUGENE, OREGON 97401
Phone: 541-485-8404 Fax: 541-484-5995
Email: alglabs@alglabsinc.com

EW GENERAL CHAIN OF CUSTODY

Report to:	Scott Thielke	Company:	J.H. Baxter & Co.
Phone:	(541) 689-3801	Address:	85 Baxter Street
Email:	sthielke@jhbaxter.com	City, State, Zip:	Eugene, OR 97402
Client Project:	Monthly	Sampler Name:	MikeFriesepersOPG141

Sample Point	Sample Matrix & Grab/Comp	Collection Date	Collection Time	Analysis Requested	Bottles -Lab Use Only Type	#	Pres	T °C	Lab ID
001	EW/Grab	2/4/21	1234	As Cu Cr Zn Hardness	J	1		7.7	001A
		"	"	BOD	E	1		6.4	001B
		"	"	Penta	8270C	3		7.1 7.3 7.2	001C
		"	"	pH (field)	J	1		N/A	001D
002	EW/Grab	2/4/21	1202	Penta	8270C	3		11.5 11.4 12.6	002A
		"	"	pH (field)	J	1		N/A	002B

Notes:

Per EPA requirements pH should be tested within 15 minutes of sample collection.

Field pH Result 001:	7.05
Date/Time/Initial:	2/4/21 1237 MF
Field Temp 001 (May - Oct):	7.8
Date/Time/Initial:	2/4/21 1240 MF
Field pH Result 002:	7.53
Date/Time/Initial:	2/4/21 1205 MF
Field Temp 002 (May - Oct):	13.9
Date/Time/Initial:	2/4/21 1210 MF

Preservation Check

Lab ID	Date/Time	Pre-Preserved	pH	Tech
001A	2/4/21 1755	NO_3/NO_3	<2	KJ

Turn Around Time Requested (Rush incurs a Surcharge): ☒ NORMAL ☐ RUSH

Shipped Via: ALG

Refrigerated: (Ice) / None

	Date	Time		Date	Time
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:	2/4/21	1315	Received by Laboratory:	2/4/21	1315

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

March 22, 2021

Scott Thielke
J.H. Baxter & Co.
85 Baxter Street
Eugene, OR 97402
TEL: (541) 689-3801
FAX:

RE: Monthly Order No.: 2103211

Dear Scott Thielke:

Analytical Laboratory Group received 3 sample(s) on 3/4/2021 for the analyses presented in the following report.

The analysis was performed according to our laboratory's NELAP/TNI-approved quality assurance program. Any exceptions to this quality assurance program are noted on the case narrative.

Testing methods used are sufficiently sensitive enough to meet the requirements that support client/permittee NPDES permits that we have on file. The client is responsible for reviewing reports. The permittee is responsible for meeting permit limits.

Quality control data is within laboratory defined or method specified acceptance limits except if noted on the case narrative.

If you have any questions regarding these tests results, please feel free to call.

Kimberly Reever Morghan
Quality Manager
361 West 5th Ave
Eugene, OR 97401

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Case Narrative

WO#: **2103211**
Date: **3/22/2021**

CLIENT: J.H. Baxter & Co.
Project: Monthly

This report presents the results of the analyses of the sample(s) received on the date above and assigned the listed Analytical Laboratory Group Analytical Report numbers. Test results relate only to the parameters tested and to the samples as received by the laboratory.

This report shall not be reproduced, except in full, without written consent of Analytical Laboratory Group, Inc.

All analyses were performed according to the Analytical Laboratory Group, Inc. Quality Assurance Program. All QA/QC requirements were met except as noted below.

Analytical comments are noted with qualifiers (see "Qual" column) or data flags on the reports and/or below.

Pentachlorophenol by EPA 8270C SIM was analyzed by Neilson Research Corporation, Medford OR; ORELAP ID# OR100016. No anomalies associated with the analysis of these sample(s) were reported except as noted in the NRC Case Narrative or qualified with data flags on the NRC report.

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Analytical Report

Date Reported: **3/22/2021**

WO#: 2103211
CLIENT: J.H. Baxter & Co.
Project: Monthly

Received Date: 3/4/2021 12:30:00 PM
Sampler Name: Mike Friese
Matrix: Environmental Water

Lab ID: 2103211-001 **Client Sample ID** 001 Grab **Collection Date:** 3/4/2021 12:05:00 PM

Analyses	Method	Result	Qual	PQL	LOD	Units	Date Analyzed	Analyst
Zinc	SM 3111 B	**ND**		0.020	0.010	mg/L	03/12/21 09:12	AS
Chromium	SM 3113 B	**ND**		0.0010	0.00052	mg/L	03/17/21 10:58	AS
Copper	SM 3113 B	**ND**		0.0020	0.0010	mg/L	03/15/21 08:55	AS
Arsenic	SM 3113 B	**ND**		0.0020	0.0010	mg/L	03/15/21 08:55	AS
Hardness (As CaCO3)	SM 2340 C	**63**		5.0	1.1	mg/L	03/08/21 13:17	FG
Biochemical Oxygen Demand	SM 5210 B	**ND**		2.0	2.0	mg/L	03/04/21 14:35	FG

Lab ID: 2103211-002 **Client Sample ID** 001 Grab **Collection Date:** 3/4/2021 12:05:00 PM

Analyses	Method	Result	Qual	PQL	LOD	Units	Date Analyzed	Analyst
Hydrogen Ion (pH)	SM 4500 H+ B	**7.5**		0	0	pH Units	03/04/21 12:09	MF

Lab ID: 2103211-003 **Client Sample ID** 002 Grab **Collection Date:** 3/4/2021 11:45:00 AM

Analyses	Method	Result	Qual	PQL	LOD	Units	Date Analyzed	Analyst
Hydrogen Ion (pH)	SM 4500 H+ B	**7.5**		0	0	pH Units	03/04/21 11:49	MF

Definitions:

A	Accredited by ORELAP
LOD	Limit of Detection
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
PL	Permit Limit
PQL	Practical Quantitation Level or Reporting Limit

Qualifiers:

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

QC SUMMARY REPORT

22-Mar-21

WO#: 2103211
Client: J.H. Baxter & Co.
Project: Monthly

QC Type	Sample ID	Analyses	Method	Analysis Date	Result	Units	RL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
MBLK	MB-R37378	Hardness (As CaCO3)	SM 2340 C	3/8/2021	ND	mg/L	5.0									
MBLK	MB-6885	Zinc	SM 3111 B	3/12/2021	ND	mg/L	0.020									
MBLK	MB-6882	Arsenic	SM 3113 B	3/15/2021	ND	µg/L	0.0020									
MBLK	MB-6882	Chromium	SM 3113 B	3/17/2021	ND	µg/L	0.0010									
MBLK	MB-6882	Copper	SM 3113 B	3/15/2021	ND	µg/L	0.0020									
MBLK	MB-R37334	Biochemical Oxygen Demand	SM 5210 B	3/4/2021	ND	mg/L	2.0									
LCS	LCS-R37378	Hardness (As CaCO3)	SM 2340 C	3/8/2021	71	mg/L	5.0	74.92	0	95.0	85	115				
LCS	LCS-6885	Zinc	SM 3111 B	3/12/2021	0.094	mg/L	0.020	0.1000	0	93.5	85	115				
LCS	LCS-6882	Arsenic	SM 3113 B	3/15/2021	0.011	µg/L	0.0020	0.010	0	113	85	115				
LCS	LCS-6882	Chromium	SM 3113 B	3/17/2021	0.0055	µg/L	0.0010	0.0050	0	111	85	115				
LCS	LCS-6882	Copper	SM 3113 B	3/15/2021	0.011	µg/L	0.0020	0.010	0	109	85	115				
LCS	LCS-R37376	Hydrogen Ion (pH)	SM 4500 H+	3/4/2021	7.0	pH Units	0	7.010	0	100	90	110				
LCS	LCS-R37375	Hydrogen Ion (pH)	SM 4500 H+	3/4/2021	7.0	pH Units	0	7.010	0	100	90	110				
LCS	LCS-R37334	Biochemical Oxygen Demand	SM 5210 B	3/4/2021	200	mg/L	2.0	198.0	0	101	84.6	115.4				

Qualifiers:

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Definition Base

WO#: **2103211**
Date: **3/22/2021**

Definitions:

% REC: Percent Recovery; a measure of accuracy expressed as a percentage of a measured (recovered) concentration compared to the known concentration added to the sample.

% RPD: Relative Percent Difference; a measure of precision expressed as a percentage of the difference between two duplicates relative to the average concentration.

DF: Dilution factor; the dilution factor applied to the prepared sample.

DUP: Duplicate; aliquots of a sample taken from the same container under laboratory conditions and processed and analyzed independently, used to calculate Precision (%RPD).

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: The duplicate sample of the LCS, used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: The duplicate sample of the MS, used to calculate both Accuracy (%REC) and Precision (%RPD)

ND: Not Detected. The analyte level is below the lowest point the laboratory can test for.

PL: Permit limit; only applicable to wastewater reports.

PQL: Practical Quantitation Level or Reporting Limit; the limit to which data is compared for reporting.

Qual: Qualifier that applies to the analyte reported

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Definition Base

WO#: **2103211**
Date: **3/22/2021**

Definitions:

Result: Analyte concentration reported

RL: Reporting Limit/Limit of Quantitation; the limit to which data is compared for reporting. Analyte concentrations below the reporting limit are reported as ND or with a "J" qualifier.

Units: The units in which the analyte concentration is reported.

Qualifiers:

*	Value exceeds Maximum Contaminant Level (MCL)
A	Accredited by ORELAP
C	Value is below Minimum Compound Limit.
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
LOD	Limit of Detection
MCL	Maximum Contaminant Level
NAR	See note in Case Narrative
ND	Not Detected at the Reporting Limit
PL	Permit Limit
PQL	Practical Quantitation Level or Reporting Limit
R	RPD outside accepted recovery limits
U	Samples with CalcVal < MDL
W	Sample container temperature was outside of the limits as specified by the method.

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

March 19, 2021

Katrina Garcia
Analytical Laboratory Group, Inc.
361 West Fifth Avenue
Eugene, OR 97401
TEL: (800) 262-5973
FAX (541) 484-5995

RE: 2103211 Order No.: 21030366

Dear Katrina Garcia:

Neilson Research Corporation received 2 sample(s) on 3/5/2021 for the analyses presented in the following report.

The results relate only to the parameters tested or to the sample as received by the laboratory. This report shall not be reproduced except in full, without the written approval of Neilson Research Corporation. If you have any questions regarding these test results, please feel free to call.

Sincerely,
Neilson Research Corporation

Tamra Schmedemann
Senior Project Manager
245 S Grape St
Medford, OR 97501

Original

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Case Narrative

WO#: **21030366**
Date: **3/19/2021**

CLIENT: Analytical Laboratory Group, Inc.
Project: 2103211

The analyses were performed according to the guidelines in the Neilson Research Corporation Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Neilson Research Corporation certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Analytical Report

WO#: **21030366**
Date Reported: **3/19/2021**

CLIENT: Analytical Laboratory Group, Inc.
Lab ID: 21030366-01
Client Sample ID 2103211-001C
Project: 2103211
Sample Location: 001

Collection Date: 3/4/2021 12:05:00 PM
Received Date: 3/5/2021 10:12:00 AM
Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result	Qual	DF	MDL	RL	Units	MCL	Date Analyzed	Analyst
SEMIVOLATILE ORGANICS BY EPA 8270C SIM											
Pentachlorophenol	SW8270C	A	ND		1	0.469	0.976	µg/L		03/17/21 12:28	TJW
Surr: 2,4,6-Tribromophenol	SW8270C		87.9		1	0	60 - 130	%Rec		03/17/21 12:28	TJW

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded
MI	Recovery outside comtrol limits due to Matrix Interference	ND	Not Detected at the Reporting Limit
PL	Permit Limit		

Original

NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Analytical Report

WO#: **21030366**
Date Reported: **3/19/2021**

CLIENT: Analytical Laboratory Group, Inc.
Lab ID: 21030366-02
Client Sample ID 2103211-003A
Project: 2103211
Sample Location: 002

Collection Date: 3/4/2021 11:45:00 AM
Received Date: 3/5/2021 10:12:00 AM
Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result	Qual	DF	MDL	RL	Units	MCL	Date Analyzed	Analyst
SEMIVOLATILE ORGANICS BY EPA 8270C SIM											
Pentachlorophenol	SW8270C	A	ND		1	0.471	0.980	µg/L		03/17/21 12:57	TJW
Surr: 2,4,6-Tribromophenol	SW8270C		92.1		1	0	60 - 130	%Rec		03/17/21 12:57	TJW

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded
MI	Recovery outside comtrol limits due to Matrix Interference	ND	Not Detected at the Reporting Limit
PL	Permit Limit		

Original

NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
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TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

QC SUMMARY REPORT

WO#: **21030366**

19-Mar-21

Client: Analytical Laboratory Group, Inc.
Project: 2103211 **TestCode:** **EPA8270_PENTA**

Sample ID: **MB-11246** SampType: **MBLK** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **3/9/2021** RunNo: **19940**
Client ID: **PBW** Batch ID: **11246** TestNo: **SW8270C** **E3510C** Analysis Date: **3/16/2021** SeqNo: **300216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1.00									
Surr: 2,4,6-Tribromophenol	15.5		20.00		77.7	60	130				

Sample ID: **LCS-11246** SampType: **LCS** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **3/9/2021** RunNo: **19940**
Client ID: **LCSW** Batch ID: **11246** TestNo: **SW8270C** **E3510C** Analysis Date: **3/16/2021** SeqNo: **300217**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	8.37	1.00	10.00	0	83.7	70	130				
Surr: 2,4,6-Tribromophenol	16.4		20.00		81.8	60	130				

Sample ID: **21030357-01AMS** SampType: **MS** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **3/9/2021** RunNo: **19940**
Client ID: **BatchQC** Batch ID: **11246** TestNo: **SW8270C** **E3510C** Analysis Date: **3/16/2021** SeqNo: **300222**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	7.65	0.943	9.434	0	81.1	70	130				
Surr: 2,4,6-Tribromophenol	16.2		18.87		85.8	60	130				

Sample ID: **21030357-01AMSD** SampType: **MSD** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **3/9/2021** RunNo: **19940**
Client ID: **BatchQC** Batch ID: **11246** TestNo: **SW8270C** **E3510C** Analysis Date: **3/16/2021** SeqNo: **300223**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	7.91	0.952	9.524	0	83.1	70	130	7.651	3.38	25	

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded	MI	Recovery outside comtrol limits due to Matrix In
ND	Not Detected at the Reporting Limit	PL	Permit Limit	RL	Reporting Detection Limit

Original

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

QC SUMMARY REPORT

WO#: **21030366**

19-Mar-21

Client: Analytical Laboratory Group, Inc.

Project: 2103211 **TestCode:** **EPA8270_PENTA**

Sample ID: **21030357-01AMSD** SampType: **MSD** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **3/9/2021** RunNo: **19940**

Client ID: **BatchQC** Batch ID: **11246** TestNo: **SW8270C** **E3510C** Analysis Date: **3/16/2021** SeqNo: **300223**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	16.1		19.05		84.6	60	130		0	0	

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded	MI	Recovery outside comtrol limits due to Matrix In
ND	Not Detected at the Reporting Limit	PL	Permit Limit	RL	Reporting Detection Limit

Original

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Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Sample Log-In Check List

Client Name: **AnalyticalLab** Work Order Number: **21030366** RcptNo: **1**

Logged by:	**Dorie Maier**	**3/5/2021 10:12:00 AM**	
Completed By:	**Tamra Schmedemann**	**3/5/2021 4:33:07 PM**	Tamra Schmedemann
Reviewed By:	**Tamra Schmedemann**	**3/5/2021 4:33:10 PM**	Tamra Schmedemann

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐	
2.	How was the sample delivered?	UPS			

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐	
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐		
	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑	
	No. Seal Date:	Signed By:			
5.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐	
6.	Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐	
7.	Sample(s) in proper container(s)?	Yes ☑	No ☐		
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐		
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐		
10.	Was preservative added to bottles?	Yes ☐	No ☐	NA ☑ NA	
11.	Is the headspace in the VOA vials less than 1/4 inch or 6 mm?	Yes ☐	No ☐	No VOA Vials ☑	
12.	Were any sample containers received broken?	Yes ☐	No ☑		
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐		
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐		
15.	Is it clear what analyses were requested?	Yes ☑	No ☐		
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐		

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑	

Person Notified: Date

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.9	Good				TCB

Lab Order Number 2103366

Analytical Laboratory Group, Inc.

361 WEST FIFTH AVENUE
EUGENE, OREGON 97401
800-262-5973/541-485-8404 Fax 541-484-5995
Email: alglabs@alglabsinc.com

ALG
ANALYTICAL LABORATORY GROUP

CHAIN OF CUSTODY

Attention:	Katrina Garcia	Client:	Analytical Laboratory Group, Inc
Phone:	541-485-8404	Address:	361 West 5th Avenue
Fax:	541-484-5995		Eugene, OR 97401
Client Project:	Neilson Research	Source: Environmental	ALG PO# 210304-16

Lab ID	ALG Sample ID	ALG Sample Point	Sample Matrix & Description Grab/Comp	Collection Date	Collection Time	Bottles	Analysis Requested
01	2103211-001C	001	EW/Grab	3/4/21	1205	(3) 8270C	Pentachlorophenol by EPA 8270C SIM
02	2103211-003A	002	EW/Grab	3/4/21	1145	(3) 8270C	Pentachlorophenol by EPA 8270C SIM

Notes:
Please Return Shipper
Include: MDL

JRC

Turn Around Time Requested:	Shipped Via:	Refrigerated
Normal	UPS	YES 2.9°C

	Date	Time		Date	Time
COC and PO made by: Jason B Inman	3/4/21	14:07	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by Laboratory:	3/5/2021	10:12 AM

Note: Standard Terms and Conditions on Reverse

Work Order # 2103211

LIMS: MT
Checked: MT

ALG
361 WEST FIFTH AVENUE
EUGENE, OREGON 97401
Phone: 541-485-8404 Fax: 541-484-5995
Email: alglabs@alglabsinc.com

EW GENERAL CHAIN OF CUSTODY

Report to:	Scott Thielke	Company:	J.H. Baxter & Co.
Phone:	(541) 689-3801	Address:	85 Baxter Street
Email:	sthielke@jhbaxter.com	City, State, Zip:	Eugene, OR 97402
Client Project:	Monthly	Sampler Name:	mike tresep er SOPG141

Sample Point	Sample Matrix & Grab/Comp	Collection Date	Collection Time	Analysis Requested	Bottles -Lab Use Only Type	#	Pres	T °C	Lab ID
001	EW/Grab	3/4/21	1205	As Cu Cr Zn Hardness	J	1		6.3	001A
		"	"	BOD	E	1		7.7	001B
		"	"	Penta	8270C	3		9.1 8.9 7.4	001C
		"	"	pH (field)	J	1		N/A	002A
002	EW/Grab	3/4/21	1145	Penta	8270C	3		11.9 11.8 12.3	003A
		"	"	pH (field)	J	1		N/A	003B

Notes:

Per EPA requirements pH should be tested within 15 minutes of sample collection.

Field pH Result 001:	7.53	
Date/Time/Initial:	3/4/21 1209	MF
Field Temp 001 (May - Oct):	10.0	
Date/Time/Initial:	3/4/21 1207	MF
Field pH Result 002:	7.46	
Date/Time/Initial:	3/4/21 1149	MF
Field Temp 002 (May - Oct):	15.0	
Date/Time/Initial:	3/4/21 1147	MF

Preservation Check

Lab ID	Date/Time	Pre-Preserved	pH	Tech
001A	3/4/21 1443	N HNO3 added	<2	AS

Turn Around Time Requested (Rush incurs a Surcharge): ☒ NORMAL ☐ RUSH

Shipped Via: ALG

Refrigerated: (Ice) None

	Date	Time		Date	Time
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:	3/4/21	1230	Received by Laboratory:	3/4/21	1230

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

April 15, 2021

Scott Thielke
J.H. Baxter & Co.
85 Baxter Street
Eugene, OR 97402
TEL: (541) 689-3801
FAX:

RE: Quarterly Order No.: 2104019

Dear Scott Thielke:

Analytical Laboratory Group received 2 sample(s) on 4/1/2021 for the analyses presented in the following report.

The analysis was performed according to our laboratory's NELAP/TNI-approved quality assurance program. Any exceptions to this quality assurance program are noted on the case narrative.

Testing methods used are sufficiently sensitive enough to meet the requirements that support client/permittee NPDES permits that we have on file. The client is responsible for reviewing reports. The permittee is responsible for meeting permit limits.

Quality control data is within laboratory defined or method specified acceptance limits except if noted on the case narrative.

If you have any questions regarding these tests results, please feel free to call.

Kimberly Reever Morghan
Quality Manager
361 West 5th Ave
Eugene, OR 97401

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Case Narrative

WO#: **2104019**
Date: **4/15/2021**

CLIENT: J.H. Baxter & Co.
Project: Quarterly

This report presents the results of the analyses of the sample(s) received on the date above and assigned the listed Analytical Laboratory Group Analytical Report numbers. Test results relate only to the parameters tested and to the samples as received by the laboratory.

All analyses were performed according to the Analytical Laboratory Group, Inc. Quality Assurance Program. All QA/QC requirements were met except as noted below.

Analytical comments are noted with qualifiers (see "Qual" column) or data flags on the reports and/or below.

Pentachlorophenol by EPA 8270C SIM was analyzed by Neilson Research Corporation, Medford OR; ORELAP ID# OR100016. No anomalies associated with the analysis of these sample(s) were reported except as noted in the NRC Case Narrative or qualified with data flags on the NRC report.

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Analytical Report

Date Reported: **4/15/2021**

WO#: 2104019
CLIENT: J.H. Baxter & Co.
Project: Quarterly

Received Date: 4/1/2021 1:43:00 PM
Sampler Name: Jason Inman
Matrix: Environmental Water

Lab ID: 2104019-001 **Client Sample ID** 001 Grab **Collection Date:** 4/1/2021 1:13:00 PM

Analyses	Method	Result	Qual	PQL	LOD	Units	Date Analyzed	Analyst
Zinc	SM 3111 B	**ND**		0.020	0.010	mg/L	04/06/21 10:45	KG
Chromium	SM 3113 B	**ND**		0.0010	0.00052	mg/L	04/09/21 14:20	AS
Copper	SM 3113 B	**ND**		0.0020	0.0010	mg/L	04/07/21 14:30	AS
Arsenic	SM 3113 B	**ND**		0.0020	0.0010	mg/L	04/06/21 18:30	AS
Hardness (As CaCO3)	SM 2340 C	**21**		5.0	1.1	mg/L	04/07/21 11:33	AT
Hydrogen Ion (pH)	SM 4500 H+ B	**7.6**		0	0	pH Units	04/01/21 13:16	JI
Biochemical Oxygen Demand	SM 5210 B	**ND**		2.0	2.0	mg/L	04/02/21 11:02	FG

Lab ID: 2104019-002 **Client Sample ID** 002 Grab **Collection Date:** 4/1/2021 12:55:00 PM

Analyses	Method	Result	Qual	PQL	LOD	Units	Date Analyzed	Analyst
Zinc	SM 3111 B	**ND**		0.020	0.010	mg/L	04/06/21 10:45	KG
Chromium	SM 3113 B	**ND**		0.0010	0.00052	mg/L	04/09/21 14:20	AS
Copper	SM 3113 B	**ND**		0.0020	0.0010	mg/L	04/07/21 14:30	AS
Arsenic	SM 3113 B	**ND**		0.0020	0.0010	mg/L	04/06/21 18:30	AS
Hydrogen Ion (pH)	SM 4500 H+ B	**7.3**		0	0	pH Units	04/01/21 12:59	JI

Definitions:

A	Accredited by ORELAP
LOD	Limit of Detection
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
PL	Permit Limit
PQL	Practical Quantitation Level or Reporting Limit

Qualifiers:

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

QC SUMMARY REPORT

15-Apr-21

WO#: 2104019
Client: J.H. Baxter & Co.
Project: Quarterly

QC Type	Sample ID	Analyses	Method	Analysis Date	Result	Units	RL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
MBLK	MB-R37805	Hardness (As CaCO3)	SM 2340 C	4/7/2021	ND	mg/L	5.0									
MBLK	MB-6943	Zinc	SM 3111 B	4/6/2021	ND	mg/L	0.020									
MBLK	MB-6944	Arsenic	SM 3113 B	4/6/2021	ND	µg/L	0.0020									
MBLK	MB-6944	Chromium	SM 3113 B	4/9/2021	ND	µg/L	0.0010									
MBLK	MB-6944	Copper	SM 3113 B	4/7/2021	ND	µg/L	0.0020									
MBLK	MB-R37727	Biochemical Oxygen Demand	SM 5210 B	4/2/2021	ND	mg/L	2.0									
LCS	LCS-R37805	Hardness (As CaCO3)	SM 2340 C	4/7/2021	72	mg/L	5.0	74.92	0	96.6	85	115				
LCS	LCS-6943	Zinc	SM 3111 B	4/6/2021	0.11	mg/L	0.020	0.1000	0	110	85	115				
LCS	LCS-6944	Arsenic	SM 3113 B	4/6/2021	0.011	µg/L	0.0020	0.010	0	106	85	115				
LCS	LCS-6944	Chromium	SM 3113 B	4/9/2021	0.0049	µg/L	0.0010	0.0050	0	97.2	85	115				
LCS	LCS-6944	Copper	SM 3113 B	4/7/2021	0.011	µg/L	0.0020	0.010	0	111	85	115				
LCS	LCS-R37783	Hydrogen Ion (pH)	SM 4500 H+	4/1/2021	7.1	pH Units	0	7.080	0	100	90	110				
LCS	LCS-R37779	Hydrogen Ion (pH)	SM 4500 H+	4/1/2021	7.1	pH Units	0	7.080	0	100	90	110				
LCS	LCS-R37727	Biochemical Oxygen Demand	SM 5210 B	4/2/2021	200	mg/L	2.0	198.0	0	99.6	84.6	115.4				

Qualifiers:

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Definition Base

WO#: **2104019**
Date: **4/15/2021**

Definitions:

% REC: Percent Recovery; a measure of accuracy expressed as a percentage of a measured (recovered) concentration compared to the known concentration added to the sample.

% RPD: Relative Percent Difference; a measure of precision expressed as a percentage of the difference between two duplicates relative to the average concentration.

DF: Dilution factor; the dilution factor applied to the prepared sample.

DUP: Duplicate; aliquots of a sample taken from the same container under laboratory conditions and processed and analyzed independently, used to calculate Precision (%RPD).

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: The duplicate sample of the LCS, used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: The duplicate sample of the MS, used to calculate both Accuracy (%REC) and Precision (%RPD)

ND: Not Detected. The analyte level is below the lowest point the laboratory can test for.

PL: Permit limit; only applicable to wastewater reports.

PQL: Practical Quantitation Level or Reporting Limit; the limit to which data is compared for reporting.

Qual: Qualifier that applies to the analyte reported

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Definition Base

WO#: **2104019**
Date: **4/15/2021**

Definitions:

Result: Analyte concentration reported

RL: Reporting Limit/Limit of Quantitation; the limit to which data is compared for reporting. Analyte concentrations below the reporting limit are reported as ND or with a "J" qualifier.

Units: The units in which the analyte concentration is reported.

Qualifiers:

*	Value exceeds Maximum Contaminant Level (MCL)
A	Accredited by ORELAP
C	Value is below Minimum Compound Limit.
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
LOD	Limit of Detection
MCL	Maximum Contaminant Level
NAR	See note in Case Narrative
ND	Not Detected at the Reporting Limit
PL	Permit Limit
PQL	Practical Quantitation Level or Reporting Limit
R	RPD outside accepted recovery limits
U	Samples with CalcVal < MDL
W	Sample container temperature was outside of the limits as specified by the method.

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

April 14, 2021

Katrina Garcia
Analytical Laboratory Group, Inc.
361 West Fifth Avenue
Eugene, OR 97401
TEL: (800) 262-5973
FAX (541) 484-5995

RE: 2104019 Order No.: 21040122

Dear Katrina Garcia:

Neilson Research Corporation received 2 sample(s) on 4/2/2021 for the analyses presented in the following report.

The results relate only to the parameters tested or to the sample as received by the laboratory. This report shall not be reproduced except in full, without the written approval of Neilson Research Corporation. If you have any questions regarding these test results, please feel free to call.

Sincerely,
Neilson Research Corporation

Tamra Schmedemann
Senior Project Manager
245 S Grape St
Medford, OR 97501

Original

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Case Narrative

WO#: **21040122**
Date: **4/14/2021**

CLIENT: Analytical Laboratory Group, Inc.
Project: 2104019

The analyses were performed according to the guidelines in the Neilson Research Corporation Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Neilson Research Corporation certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
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Analytical Report

WO#: **21040122**
Date Reported: **4/14/2021**

CLIENT: Analytical Laboratory Group, Inc.
Lab ID: 21040122-01
Client Sample ID 2104019-001C
Project: 2104019
Sample Location: 001

Collection Date: 4/1/2021 1:13:00 PM
Received Date: 4/2/2021 10:00:00 AM
Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result	Qual	DF	MDL	RL	Units	MCL	Date Analyzed	Analyst
SEMIVOLATILE ORGANICS BY EPA 8270C SIM											
Pentachlorophenol	SW8270C	A	0.608	J	1	0.471	0.980	µg/L		04/07/21 17:47	TJW
Surr: 2,4,6-Tribromophenol	SW8270C		73.2		1	0	60 - 130	%Rec		04/07/21 17:47	TJW

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit

Original

NELAP

NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028

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Analytical Report

WO#: **21040122**
Date Reported: **4/14/2021**

CLIENT: Analytical Laboratory Group, Inc.
Lab ID: 21040122-02
Client Sample ID 2104019-002B
Project: 2104019
Sample Location: 002

Collection Date: 4/1/2021 12:55:00 PM
Received Date: 4/2/2021 10:00:00 AM
Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result	Qual	DF	MDL	RL	Units	MCL	Date Analyzed	Analyst
SEMIVOLATILE ORGANICS BY EPA 8270C SIM											
Pentachlorophenol	SW8270C	A	0.633	J	1	0.483	1.01	µg/L		04/07/21 19:14	TJW
Surr: 2,4,6-Tribromophenol	SW8270C		76.1		1	0	60 - 130	%Rec		04/07/21 19:14	TJW

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit

Original

NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028

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Website: www.nrclabs.com

QC SUMMARY REPORT

WO#: **21040122**

14-Apr-21

Client: Analytical Laboratory Group, Inc.
Project: 2104019 **TestCode:** **EPA8270_PENTA**

Sample ID: **LCS-11670** SampType: **LCS** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **4/5/2021** RunNo: **20497**
Client ID: **LCSW** Batch ID: **11670** TestNo: **SW8270C** **E3510C** Analysis Date: **4/7/2021** SeqNo: **313715**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	9.89	1.00	10.00	0	98.9	70	130				
Surr: 2,4,6-Tribromophenol	16.3		20.00		81.5	60	130				

Sample ID: **MB-11670** SampType: **MBLK** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **4/5/2021** RunNo: **20497**
Client ID: **PBW** Batch ID: **11670** TestNo: **SW8270C** **E3510C** Analysis Date: **4/7/2021** SeqNo: **313716**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1.00									
Surr: 2,4,6-Tribromophenol	13.5		20.00		67.6	60	130				

Sample ID: **21040122-01AMS** SampType: **MS** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **4/5/2021** RunNo: **20497**
Client ID: **2104019-001C** Batch ID: **11670** TestNo: **SW8270C** **E3510C** Analysis Date: **4/7/2021** SeqNo: **313719**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	10.1	0.995	9.950	0.6078	95.6	70	130				
Surr: 2,4,6-Tribromophenol	16.6		19.90		83.6	60	130				

Sample ID: **21040122-01AMSD** SampType: **MSD** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **4/5/2021** RunNo: **20497**
Client ID: **2104019-001C** Batch ID: **11670** TestNo: **SW8270C** **E3510C** Analysis Date: **4/7/2021** SeqNo: **313720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	10.6	0.985	9.852	0.6078	101	70	130	10.12	4.56	25	

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
MI	Recovery outside comtrol limits due to Matrix Interference	ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit				

Original

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

QC SUMMARY REPORT

WO#: **21040122**

14-Apr-21

Client: Analytical Laboratory Group, Inc.
Project: 2104019 **TestCode:** **EPA8270_PENTA**

Sample ID: **21040122-01AMSD** SampType: **MSD** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **4/5/2021** RunNo: **20497**
Client ID: **2104019-001C** Batch ID: **11670** TestNo: **SW8270C** **E3510C** Analysis Date: **4/7/2021** SeqNo: **313720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	16.5		19.70		83.6	60	130		0	0	

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
MI	Recovery outside comtrol limits due to Matrix Interference	ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit				

Original

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Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Sample Log-In Check List

Client Name: **AnalyticalLab** Work Order Number: **21040122** RcptNo: **1**

Logged by:	**Sarah Spence**	**4/2/2021 10:00:00 AM**	Sarah N Spence
Completed By:	**Tamra Schmedemann**	**4/2/2021 5:09:08 PM**	Tamra Schmedemann
Reviewed By:	**Tamra Schmedemann**	**4/2/2021 5:09:11 PM**	Tamra Schmedemann

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No ☐	Not Present	☐
2.	How was the sample delivered?	UPS				

Log In

3.	Coolers are present?	Yes	☑	No ☐	NA	☐
4.	Shipping container/cooler in good condition?	Yes	☑	No ☐		
	Custody seals intact on shipping container/cooler?	Yes	☐	No ☐	Not Present	☑
	No. Seal Date: Signed By:					
5.	Was an attempt made to cool the samples?	Yes	☑	No ☐	NA	☐
6.	Were all samples received at a temperature of >0° C to 6.0°C	Yes	☑	No ☐	NA	☐
7.	Sample(s) in proper container(s)?	Yes	☑	No ☐		
8.	Sufficient sample volume for indicated test(s)?	Yes	☑	No ☐		
9.	Are samples (except VOA and ONG) properly preserved?	Yes	☑	No ☐		
10.	Was preservative added to bottles?	Yes	☐	No ☐	NA	☑
					NA	
11.	Is the headspace in the VOA vials less than 1/4 inch or 6 mm?	Yes	☐	No ☐	No VOA Vials	☑
12.	Were any sample containers received broken?	Yes	☐	No ☑		
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes	☑	No ☐		
14.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No ☐		
15.	Is it clear what analyses were requested?	Yes	☑	No ☐		
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes	☑	No ☐		

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes	☐	No ☐	NA	☑

Person Notified: Date

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.9	Good				DLN

Lab Order Number 2104019

Analytical Laboratory Group, Inc.

361 WEST FIFTH AVENUE
EUGENE, OREGON 97401
800-262-5973/541-485-8404 Fax 541-484-5995
Email: alglabs@alglabsinc.com

ALG ANALYTICAL LABORATORY GROUP

Delivering more than just test results

CHAIN OF CUSTODY

Attention:	Katrina Garcia	Client:	Analytical Laboratory Group, Inc		
Phone:	541-485-8404	Address:	361 West 5th Avenue		
Fax:	541-484-5995		Eugene, OR 97401		
Client Project:	Neilson Research	Source:	Environmental	ALG PO#	210401-06

Lab ID	ALG Sample ID	ALG Sample Point	Sample Matrix & Description Grab/Comp	Collection Date	Collection Time	Bottles	Analysis Requested
01	2104019-001C	001	EW/Grab	4/1/21	1313	(3) 8270C	Pentachlorophenol by EPA 8270C SIM
02	2104019-002B	002	EW/Grab	4/1/21	1255	(3) 8270C	Pentachlorophenol by EPA 8270C SIM

Notes:
Please Return Shipper
Include: MDL

C

Turn Around Time Requested:	Shipped Via:	Refrigerated
Normal	UPS	YES 4.9

COC and PO made by:	Date	Time	Received by:	Date	Time
Jason B Inman	4/1/21	15:14			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by Laboratory:	Date	Time
			JNSpence	4/2/21	1000

Note: Standard Terms and Conditions on Reverse

Page _____ of _____

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Data Flags

WO#: **21040122**
Date: **4/14/2021**

B Analyte detected in the associated method blank.
BA BOD Alternative Calculation: The initial results performed by Standard Methods did not fall within parameters of the Standard Methods calculation. An alternate approved calculation was performed using the HACH method and the value reported is an estimated concentration.
C Sample(s) does not meet NELAP/ORELAP sample acceptance criteria. See Case Narrative.
C1 Sample(s) does not meet NELAP/ORELAP sample acceptance criteria for temperature.
CF Results confirmed by re-analysis.
CU Cleanup performed as specified by method.
D1 The diesel elution pattern for the sample is not typical.
D2 The sample appears to be a heavier hydrocarbon range than diesel.
D3 The sample appears to be a lighter hydrocarbon range than diesel.
D4 Detected hydrocarbons do not have pattern and range consistent with typical petroleum products and may be due to biogenic interference.
D5 Detected hydrocarbons in the diesel range appear to be weathered diesel.
E Estimated value.
ER Elevated reporting limit due to matrix. Report limits (MDLs, MRLs & PQLs) are adjusted based on variations in sample preparation amounts, analytical dilutions, and percent solids, where applicable.
FC Fecal Coliforms: Sample(s) received past 40 CFR Part 136 specified holding time. Results reported as estimated values.
G1 The gasoline elution pattern for the sample is not typical.
G2 The sample appears to be a heavier hydrocarbon range than gasoline.
G3 The sample appears to be a lighter hydrocarbon range than gasoline.
G4 Detected hydrocarbons in the gasoline range appear to be weathered gasoline.
HP Sample re-analysis performed outside of method specified holding time.
HR Sample received outside of method specified holding time.
HS Sample analyzed for volatile organics contained headspace.
HT At the client's request, the sample was analyzed outside of method specified holding time.
H Analysis performed outside of method specified holding time.
J Analyte detected below the Minimum Reporting Limit (MRL) and above the Method Detection Limit (MDL). The J flag result is an estimated value and the user should be aware that this data is of limited reliability.
L Dissolved metals were not filtered within 15 minutes of collection per 40 CFR Part 136.
MI Surrogate, Duplicate Sample (DUP) or Matrix Spikes recoveries are out of control limits due to matrix interference. Sample results may be biased.
N See Case Narrative on page 2 of report.
NLR No Legionella Recovered.
PLR Presence of Legionella Recovered.
Q Initial calibration verification (ICV), continuing calibration verification (CCV) or laboratory control sample (LCS) exceeded high recovery limits, but associated samples are non-detect and the sample results are not affected. Data meets EPA/NELAP requirements.
R Relative percent difference (RPD) is outside of the accepted recovery limits.
R1 Relative percent difference (RPD) is outside of the accepted recovery limits. However, analyses are not controlled on RPD values for sample concentrations that are less than the reporting limit.
R3 The relative percent difference (RPD) and/or percent recovery for the duplicate (DUP) or matrix spike (MS)/matrix spike duplicate (MSD) cannot be accurately calculated due to the concentration of analyte already present in the sample.
R4 Duplicate analysis failed due to result being at or near the method reporting limit.
S Surrogate and/or matrix spike recovery is outside of the accepted recovery limits. Sample results may be biased.
S1 Surrogate or matrix spike recovery is outside of control limits due to dilution necessary for analysis.
SC Sub-contracted to another laboratory for analysis.
SP Sample(s) were not collected per EPA Method 5035A protocols. The results are considered minimum values.
Value exceeds regulatory level for TCLP contaminant.
X1 The motor oil elution pattern for the sample is not typical.
X2 The sample appears to be a heavier hydrocarbon range than motor oil.
X3 The sample appears to be a lighter hydrocarbon range than motor oil.
* Value exceeds Maximum Contaminant Level or is outside the acceptable range.

Work Order # 2104019

LIMS: ABS
Checked: KD

ALG
ANALYTICAL LABORATORY GROUP
361 WEST FIFTH AVENUE
EUGENE, OREGON 97401
Phone: 541-485-8404 Fax: 541-484-5995
Email: alglabs@alglabsinc.com

EW GENERAL CHAIN OF CUSTODY

Report to:	Scott Thielke	Company:	J.H. Baxter & Co.
Phone:	(541) 689-3801	Address:	85 Baxter Street
Email:	sthielke@jhbaxter.com	City, State, Zip:	Eugene, OR 97402
Client Project:	Quarterly	Sampler Name:	JASON INMAN PER SOP # G141

Sample Point	Sample Matrix & Grab/Comp	Collection Date	Collection Time	Analysis Requested	Bottles -Lab Use Only Type	#	Pres	T °C	Lab ID
001	EW/Grab	4/1/21	1313	As Cu Cr Zn Hardness	J	1		12.1	001A
		↓	↓	BOD	E	1		12.9	001B
				Penta	8270C	3		12.1 / 12.4 → 12.4	001C
				pH (field)	J	1		N/A	001D
002	EW/Grab	4/1/21	1255	As Cu Cr Zn	J	1		12.4	002A
		↓	↓	Penta	8270C	3		12.1 / 12.7 / 15.6	002B
				pH (field)	J	1		N/A	002C

Notes:

Per EPA requirements pH should be tested within 15 minutes of sample collection.

Field pH Result 001: 7.61
Date/Time/Initial: 4/1/21 1316 JI
Field Temp 001 (May - Oct): 14.5°C
Date/Time/Initial: 4/1/21 1316 JI
Field pH Result 002: 7.30
Date/Time/Initial: 4/1/21 1259 JI
Field Temp 002 (May - Oct): 17.0°C
Date/Time/Initial: 4/1/21 1259 JI

Preservation Check

Lab ID	Date/Time	Pre-Preserved	pH	Tech
001A	4/1/21 1500	No, HNO3	<2	KD
002A	4/1/21 ↓	No, HNO3	<2	KD

Turn Around Time Requested (Rush incurs a Surcharge): ☒ NORMAL ☐ RUSH

Shipped Via: ALG

Refrigerated: (Ice) None

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by Laboratory:	Date	Time
	4/1/21	1343		4/1/21	1343

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

May 20, 2021

Scott Thielke
J.H. Baxter & Co.
PO Box 23138
Eugene, OR 97402
TEL: (541) 689-3801
FAX:

RE: Monthly Order No.: 2105257

Dear Scott Thielke:

Analytical Laboratory Group received 1 sample(s) on 5/6/2021 for the analyses presented in the following report.

The analysis was performed according to our laboratory's NELAP/TNI-approved quality assurance program. Any exceptions to this quality assurance program are noted on the case narrative.

Testing methods used are sufficiently sensitive enough to meet the requirements that support client/permittee NPDES permits that we have on file. The client is responsible for reviewing reports. The permittee is responsible for meeting permit limits.

Quality control data is within laboratory defined or method specified acceptance limits except if noted on the case narrative.

If you have any questions regarding these tests results, please feel free to call.

Kimberly Reever Morghan
Quality Manager
361 West 5th Ave
Eugene, OR 97401

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Case Narrative

WO#: **2105257**
Date: **5/20/2021**

CLIENT: J.H. Baxter & Co.
Project: Monthly

This report presents the results of the analyses of the sample(s) received on the date above and assigned the listed Analytical Laboratory Group Analytical Report numbers. Test results relate only to the parameters tested and to the samples as received by the laboratory.

This report shall not be reproduced, except in full, without written consent of Analytical Laboratory Group, Inc.

All analyses were performed according to the Analytical Laboratory Group, Inc. Quality Assurance Program. All QA/QC requirements were met except as noted below.

Analytical comments are noted with qualifiers (see "Qual" column) or data flags on the reports and/or below.

Pentachlorophenol by EPA 8270C SIM was analyzed by Neilson Research Corporation, Medford OR; ORELAP ID# OR100016. No anomalies associated with the analysis of these sample(s) were reported except as noted in the NRC Case Narrative or qualified with data flags on the NRC report.

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Analytical Report

Date Reported: **5/20/2021**

WO#:	2105257	**Received Date:**	5/6/2021 1:15:00 PM
CLIENT:	J.H. Baxter & Co.	**Sampler Name:**	Mike Friese
Project:	Monthly	**Matrix:**	Environmental Water

Lab ID: 2105257-001 **Client Sample ID** 002 Grab **Collection Date:** 5/6/2021 12:31:00 PM

Analyses	Method	Result	Qual	PQL	LOD	Units	Date Analyzed	Analyst
Hydrogen Ion (pH)	SM 4500 H+ B	**7.4**		0	0	pH Units	05/06/21 12:35	MF

Definitions:

A	Accredited by ORELAP
LOD	Limit of Detection
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
PL	Permit Limit
PQL	Practical Quantitation Level or Reporting Limit

Qualifiers:

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

QC SUMMARY REPORT

20-May-21

WO#: 2105257
Client: J.H. Baxter & Co.
Project: Monthly

QC Type	Sample ID	Analyses	Method	Analysis Date	Result	Units	RL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
LCS	LCS-R38324	Hydrogen Ion (pH)	SM 4500 H+	5/6/2021	7.0	pH Units	0	7.000	0	100	90	110				

Qualifiers:

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Definition Base

WO#: **2105257**
Date: **5/20/2021**

Definitions:

% REC: Percent Recovery; a measure of accuracy expressed as a percentage of a measured (recovered) concentration compared to the known concentration added to the sample.

% RPD: Relative Percent Difference; a measure of precision expressed as a percentage of the difference between two duplicates relative to the average concentration.

DF: Dilution factor; the dilution factor applied to the prepared sample.

DUP: Duplicate; aliquots of a sample taken from the same container under laboratory conditions and processed and analyzed independently, used to calculate Precision (%RPD).

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: The duplicate sample of the LCS, used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: The duplicate sample of the MS, used to calculate both Accuracy (%REC) and Precision (%RPD)

ND: Not Detected. The analyte level is below the lowest point the laboratory can test for.

PL: Permit limit; only applicable to wastewater reports.

PQL: Practical Quantitation Level or Reporting Limit; the limit to which data is compared for reporting.

Qual: Qualifier that applies to the analyte reported

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Definition Base

WO#: **2105257**
Date: **5/20/2021**

Definitions:

Result: Analyte concentration reported

RL: Reporting Limit/Limit of Quantitation; the limit to which data is compared for reporting. Analyte concentrations below the reporting limit are reported as ND or with a "J" qualifier.

Units: The units in which the analyte concentration is reported.

Qualifiers:

*	Value exceeds Maximum Contaminant Level (MCL)
A	Accredited by ORELAP
C	Value is below Minimum Compound Limit.
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
LOD	Limit of Detection
MCL	Maximum Contaminant Level
NAR	See note in Case Narrative
ND	Not Detected at the Reporting Limit
PL	Permit Limit
PQL	Practical Quantitation Level or Reporting Limit
R	RPD outside accepted recovery limits
U	Samples with CalcVal < MDL
W	Sample container temperature was outside of the limits as specified by the method.

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

May 19, 2021

Katrina Garcia
Analytical Laboratory Group, Inc.
361 West Fifth Avenue
Eugene, OR 97401
TEL: (800) 262-5973
FAX (541) 484-5995

RE: 2105257 Order No.: 21050416

Dear Katrina Garcia:

Neilson Research Corporation received 1 sample(s) on 5/7/2021 for the analyses presented in the following report.

The results relate only to the parameters tested or to the sample as received by the laboratory. This report shall not be reproduced except in full, without the written approval of Neilson Research Corporation. If you have any questions regarding these test results, please feel free to call.

Sincerely,
Neilson Research Corporation

Tamra Schmedemann
Senior Project Manager
245 S Grape St
Medford, OR 97501

Original

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Case Narrative

WO#: **21050416**
Date: **5/19/2021**

CLIENT: Analytical Laboratory Group, Inc.
Project: 2105257

The analyses were performed according to the guidelines in the Neilson Research Corporation Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Neilson Research Corporation certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Analytical Report

WO#: **21050416**
Date Reported: **5/19/2021**

CLIENT: Analytical Laboratory Group, Inc.
Lab ID: 21050416-01
Client Sample ID 210527-001A
Project: 2105257
Sample Location: 002

Collection Date: 5/6/2021 12:31:00 PM
Received Date: 5/7/2021 10:15:00 AM
Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result	Qual	DF	MDL	RL	Units	MCL	Date Analyzed	Analyst
SEMIVOLATILE ORGANICS BY EPA 8270C SIM											
Pentachlorophenol	SW8270C	A	ND		1	0.466	0.971	µg/L		05/13/21 6:20	TJW
Surr: 2,4,6-Tribromophenol	SW8270C		89.5		1	0	60 - 130	%Rec		05/13/21 6:20	TJW

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded
MI	Recovery outside comtrol limits due to Matrix Interference	ND	Not Detected at the Reporting Limit
PL	Permit Limit		

Original

NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

QC SUMMARY REPORT

WO#: **21050416**

19-May-21

Client: Analytical Laboratory Group, Inc.
Project: 2105257

TestCode: **EPA8270_PENTA**

Sample ID: **21050416-01AMS**	SampType: **MS**	TestCode: **EPA8270_PE**	Units: **µg/L**	Prep Date: **5/11/2021**	RunNo: **21345**
Client ID: **210527-001A**	Batch ID: **12295**	TestNo: **SW8270C**	**E3510C**	Analysis Date: **5/13/2021**	SeqNo: **336214**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	11.1	0.971	9.709	0	114	70	130				
Surr: 2,4,6-Tribromophenol	17.6		19.42		90.4	60	130				

Sample ID: **21050416-01AMSD**	SampType: **MSD**	TestCode: **EPA8270_PE**	Units: **µg/L**	Prep Date: **5/11/2021**	RunNo: **21345**
Client ID: **210527-001A**	Batch ID: **12295**	TestNo: **SW8270C**	**E3510C**	Analysis Date: **5/13/2021**	SeqNo: **336215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	10.9	0.990	9.901	0	110	70	130	11.11	1.69	25	
Surr: 2,4,6-Tribromophenol	17.1		19.80		86.2	60	130		0	0	

Sample ID: **MB-12295**	SampType: **MBLK**	TestCode: **EPA8270_PE**	Units: **µg/L**	Prep Date: **5/11/2021**	RunNo: **21345**
Client ID: **PBW**	Batch ID: **12295**	TestNo: **SW8270C**	**E3510C**	Analysis Date: **5/12/2021**	SeqNo: **336227**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1.00									
Surr: 2,4,6-Tribromophenol	13.7		20.00		68.6	60	130				

Sample ID: **LCS-12295**	SampType: **LCS**	TestCode: **EPA8270_PE**	Units: **µg/L**	Prep Date: **5/11/2021**	RunNo: **21345**
Client ID: **LCSW**	Batch ID: **12295**	TestNo: **SW8270C**	**E3510C**	Analysis Date: **5/12/2021**	SeqNo: **336228**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	9.91	1.00	10.00	0	99.1	70	130				

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded	MI	Recovery outside comtrol limits due to Matrix In
ND	Not Detected at the Reporting Limit	PL	Permit Limit	RL	Reporting Detection Limit

Original

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

QC SUMMARY REPORT

WO#: **21050416**

19-May-21

Client: Analytical Laboratory Group, Inc.
Project: 2105257

TestCode: **EPA8270_PENTA**

Sample ID: **LCS-12295**	SampType: **LCS**	TestCode: **EPA8270_PE**	Units: **µg/L**	Prep Date: **5/11/2021**	RunNo: **21345**
Client ID: **LCSW**	Batch ID: **12295**	TestNo: **SW8270C**	**E3510C**	Analysis Date: **5/12/2021**	SeqNo: **336228**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	16.6		20.00		83.0	60	130				

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded	MI	Recovery outside comtrol limits due to Matrix In
ND	Not Detected at the Reporting Limit	PL	Permit Limit	RL	Reporting Detection Limit

Original

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Sample Log-In Check List

Client Name: **AnalyticalLab** Work Order Number: **21050416** RcptNo: **1**

Logged by:	**Denise Neal**	**5/7/2021 10:15:00 AM**	Denise Neal
Completed By:	**Dorie Maier**	**5/19/2021 9:28:49 AM**	
Reviewed By:	**Dorie Maier**	**5/19/2021 9:28:53 AM**	

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	UPS		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
	No. Seal Date:	Signed By:		
5.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
6.	Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
7.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
11.	Is the headspace in the VOA vials less than 1/4 inch or 6 mm?	Yes ☐	No ☐	No VOA Vials ☑
12.	Were any sample containers received broken?	Yes ☐	No ☑	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15.	Is it clear what analyses were requested?	Yes ☑	No ☐	
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.3	Good				TCB

Lab Order Number 2105257

Analytical Laboratory Group, Inc.

361 WEST FIFTH AVENUE
EUGENE, OREGON 97401
800-262-5973/541-485-8404 Fax 541-484-5995
Email: alglabs@alglabsinc.com

ALG ANALYTICAL LABORATORY GROUP — Delivering more than just test results

CHAIN OF CUSTODY

Attention:	Katrina Garcia	Client:	Analytical Laboratory Group, Inc
Phone:	541-485-8404	Address:	361 West 5th Avenue
Fax:	541-484-5995		Eugene, OR 97401
Client Project:	Neilson Research	Source: Environmental	ALG PO# 210506-20

Lab ID	ALG Sample ID	ALG Sample Point	Sample Matrix & Description Grab/Comp	Collection Date	Collection Time	Bottles	Analysis Requested
01	2105257-001A	002	EW/Grab	5/6/21	1231	(3) 8270C	Pentachlorophenol by EPA 8270C SIM

Notes:
Please Return Shipper
Include: MDL

IRC

Turn Around Time Requested:	Shipped Via:	Refrigerated
Normal	UPS	YES 5.3

COC and PO made by:	Date	Time	Received by:	Date	Time
Joshua DiCarlo	5/6/21	13:57			
Relinquished by:	**Date**	**Time**	**Received by:**	**Date**	**Time**
Relinquished by:	**Date**	**Time**	**Received by Laboratory:**	**Date**	**Time**
			DNeal	5/7/21	10:15AM

Note: Standard Terms and Conditions on Reverse

Work Order # 2105257

LIMS: MT
Checked: MT

ALG
ANALYTICAL LABORATORY GROUP
361 WEST FIFTH AVENUE
EUGENE, OREGON 97401
Phone: 541-485-8404 Fax: 541-484-5995
Email: alglabs@alglabsinc.com

EW GENERAL CHAIN OF CUSTODY

Report to:	Scott Thielke	Company:	J.H. Baxter & Co.
Phone:	(541) 689-3801	Address:	PO Box 23138
Email:	sthielke@jhbaxter.com	City, State, Zip:	Eugene, OR 97402
Client Project:	Monthly	Sampler Name:	mike fnesepersoPG141

Sample Point	Sample Matrix & Grab/Comp	Collection Date	Collection Time	Analysis Requested	Bottles -Lab Use Only Type	#	Pres	T °C	Lab ID
002	EW/Grab	5/6/21	1231	Penta	8270C	3		13.4 / 13.3	001A
				pH (field)	J	1		12.6 / N/A	001B

Notes:

Per EPA requirements pH should be tested within 15 minutes of sample collection.

Field pH Result 002: 7.37
Date/Time/Initial: 5/6/21 1235 MF
Field Temp 002 (May - Oct): 16.0
Date/Time/Initial: 5/6/21 1231 MF

Preservation Check

Lab ID	Date/Time	Pre-Preserved	pH	Tech

Turn Around Time Requested (Rush incurs a Surcharge): ☒ NORMAL ☐ RUSH

Shipped Via: ALG

Refrigerated: (Ice) / None

	Date	Time		Date	Time
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:	5/6/21	1315	Received by Laboratory:	5/6/21	13:15

J.H. Baxter 4-9-21

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

June 18, 2021

Scott Thielke
J.H. Baxter & Co.
PO Box 23138
Eugene, OR 97402
TEL: (541) 689-3801
FAX:

RE: Monthly Order No.: 2106181

Dear Scott Thielke:

Analytical Laboratory Group received 1 sample(s) on 6/3/2021 for the analyses presented in the following report.

The analysis was performed according to our laboratory's NELAP/TNI-approved quality assurance program. Any exceptions to this quality assurance program are noted on the case narrative.

Testing methods used are sufficiently sensitive enough to meet the requirements that support client/permittee NPDES permits that we have on file. The client is responsible for reviewing reports. The permittee is responsible for meeting permit limits.

Quality control data is within laboratory defined or method specified acceptance limits except if noted on the case narrative.

If you have any questions regarding these tests results, please feel free to call.

Kimberly Reever Morghan
Quality Manager
361 West 5th Ave
Eugene, OR 97401

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Case Narrative

WO#: **2106181**
Date: **6/18/2021**

CLIENT: J.H. Baxter & Co.
Project: Monthly

This report presents the results of the analyses of the sample(s) received on the date above and assigned the listed Analytical Laboratory Group Analytical Report numbers. Test results relate only to the parameters tested and to the samples as received by the laboratory.

This report shall not be reproduced, except in full, without written consent of Analytical Laboratory Group, Inc.

All analyses were performed according to the Analytical Laboratory Group, Inc. Quality Assurance Program. All QA/QC requirements were met except as noted below.

Analytical comments are noted with qualifiers (see "Qual" column) or data flags on the reports and/or below.

Pentachlorophenol by EPA 8270C SIM was analyzed by Neilson Research Corporation, Medford OR; ORELAP ID# OR100016. No anomalies associated with the analysis of these sample(s) were reported except as noted in the NRC Case Narrative or qualified with data flags on the NRC report.

ALG ANALYTICAL LABORATORY GROUP
Delivering more than just test results

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Analytical Report

Date Reported: **6/18/2021**

WO#:	2106181	**Received Date:**	6/3/2021 1:20:00 PM
CLIENT:	J.H. Baxter & Co.	**Sampler Name:**	Mike Friese
Project:	Monthly	**Matrix:**	Environmental Water

Lab ID: 2106181-001 **Client Sample ID** 002 Grab **Collection Date:** 6/3/2021 12:52:00 PM

Analyses	Method	Result	Qual	PQL	LOD	Units	Date Analyzed	Analyst
Hydrogen Ion (pH)	SM 4500 H+ B	**7.2**		0	0	pH Units	06/03/21 12:56	MF

Definitions:

A	Accredited by ORELAP
LOD	Limit of Detection
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
PL	Permit Limit
PQL	Practical Quantitation Level or Reporting Limit

Qualifiers:

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

QC SUMMARY REPORT

18-Jun-21

WO#: 2106181
Client: J.H. Baxter & Co.
Project: Monthly

QC Type	Sample ID	Analyses	Method	Analysis Date	Result	Units	RL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
LCS	LCS-R38763	Hydrogen Ion (pH)	SM 4500 H+	6/3/2021	7.0	pH Units	0	7.050	0	100	90	110				

Qualifiers:

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Definition Base

WO#: **2106181**
Date: **6/18/2021**

Definitions:

% REC: Percent Recovery; a measure of accuracy expressed as a percentage of a measured (recovered) concentration compared to the known concentration added to the sample.

% RPD: Relative Percent Difference; a measure of precision expressed as a percentage of the difference between two duplicates relative to the average concentration.

DF: Dilution factor; the dilution factor applied to the prepared sample.

DUP: Duplicate; aliquots of a sample taken from the same container under laboratory conditions and processed and analyzed independently, used to calculate Precision (%RPD).

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: The duplicate sample of the LCS, used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: The duplicate sample of the MS, used to calculate both Accuracy (%REC) and Precision (%RPD)

ND: Not Detected. The analyte level is below the lowest point the laboratory can test for.

PL: Permit limit; only applicable to wastewater reports.

PQL: Practical Quantitation Level (QL) or Reporting Limit; the limit to which data is compared for reporting.

Qual: Qualifier that applies to the analyte reported

ALG ORELAP ID #OR100012
361 West 5th Ave
Eugene, OR 97401
TEL: (541) 485-8404 FAX: (541) 484-5995
Website:

Definition Base

WO#: **2106181**
Date: **6/18/2021**

Definitions:

Result: Analyte concentration reported

RL: Reporting Limit/Limit of Quantitation; the limit to which data is compared for reporting. Analyte concentrations below the reporting limit are reported as ND or with a "J" qualifier.

Units: The units in which the analyte concentration is reported.

Qualifiers:

*	Value exceeds Maximum Contaminant Level (MCL)
A	Accredited by ORELAP
C	Value is below Minimum Compound Limit.
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
LOD	Limit of Detection
MCL	Maximum Contaminant Level
NAR	See note in Case Narrative
ND	Not Detected at the Reporting Limit
PL	Permit Limit
PQL	Practical Quantitation Level or Reporting Limit
R	RPD outside accepted recovery limits
U	Samples with CalcVal < MDL
W	Sample container temperature was outside of the limits as specified by the method.

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

June 16, 2021

Katrina Garcia
Analytical Laboratory Group, Inc.
361 West Fifth Avenue
Eugene, OR 97401
TEL: (800) 262-5973
FAX (541) 484-5995

RE: 2106181 Order No.: 21060313

Dear Katrina Garcia:

Neilson Research Corporation received 1 sample(s) on 6/4/2021 for the analyses presented in the following report.

The results relate only to the parameters tested or to the sample as received by the laboratory. This report shall not be reproduced except in full, without the written approval of Neilson Research Corporation. If you have any questions regarding these test results, please feel free to call.

Sincerely,
Neilson Research Corporation

Tamra Schmedemann
Senior Project Manager
245 S Grape St
Medford, OR 97501

Original

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
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Website: www.nrclabs.com

Case Narrative

WO#: **21060313**
Date: **6/16/2021**

CLIENT: Analytical Laboratory Group, Inc.
Project: 2106181

The analyses were performed according to the guidelines in the Neilson Research Corporation Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Neilson Research Corporation certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
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Analytical Report

WO#: **21060313**
Date Reported: **6/16/2021**

CLIENT: Analytical Laboratory Group, Inc.
Lab ID: 21060313-01
Client Sample ID 2106181-001A
Project: 2106181
Sample Location: 002

Collection Date: 6/3/2021 12:52:00 PM
Received Date: 6/4/2021 10:48:00 AM
Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result	Qual	DF	MDL	RL	Units	MCL	Date Analyzed	Analyst
SEMIVOLATILE ORGANICS BY EPA 8270C SIM											
Pentachlorophenol	SW8270C	A	ND		1	0.480	1.00	µg/L		06/09/21 19:59	TJW
Surr: 2,4,6-Tribromophenol	SW8270C		74.9		1	0	60 - 130	%Rec		06/09/21 19:59	TJW

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded
MI	Recovery outside comtrol limits due to Matrix Interference	ND	Not Detected at the Reporting Limit
PL	Permit Limit		

Original

NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028

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QC SUMMARY REPORT

WO#: **21060313**

16-Jun-21

Client: Analytical Laboratory Group, Inc.
Project: 2106181 **TestCode:** **EPA8270_PENTA**

Sample ID: **21060313-01AMS** SampType: **MS** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **6/9/2021** RunNo: **22058**
Client ID: **2106181-001A** Batch ID: **12789** TestNo: **SW8270C** **E3510C** Analysis Date: **6/9/2021** SeqNo: **351604**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	8.50	1.02	10.20	0	83.3	70	130				
Surr: 2,4,6-Tribromophenol	14.3		20.41		70.3	60	130				

Sample ID: **21060313-01AMSD** SampType: **MSD** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **6/9/2021** RunNo: **22058**
Client ID: **2106181-001A** Batch ID: **12789** TestNo: **SW8270C** **E3510C** Analysis Date: **6/9/2021** SeqNo: **351605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	8.91	1.02	10.20	0	87.3	70	130	8.500	4.69	25	
Surr: 2,4,6-Tribromophenol	15.4		20.41		75.4	60	130		0	0	

Sample ID: **MB-12789** SampType: **MBLK** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **6/9/2021** RunNo: **22058**
Client ID: **PBW** Batch ID: **12789** TestNo: **SW8270C** **E3510C** Analysis Date: **6/9/2021** SeqNo: **351609**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1.00									
Surr: 2,4,6-Tribromophenol	13.3		20.00		66.6	60	130				

Sample ID: **LCS-12789** SampType: **LCS** TestCode: **EPA8270_PE** Units: **µg/L** Prep Date: **6/9/2021** RunNo: **22058**
Client ID: **LCSW** Batch ID: **12789** TestNo: **SW8270C** **E3510C** Analysis Date: **6/9/2021** SeqNo: **351610**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	7.67	1.00	10.00	0	76.7	70	130				

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode
H	Holding times for preparation or analysis exceeded
MI	Recovery outside comtrol limits due to Matrix In
ND	Not Detected at the Reporting Limit
PL	Permit Limit
RL	Reporting Detection Limit

Original

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QC SUMMARY REPORT

WO#: **21060313**

16-Jun-21

Client: Analytical Laboratory Group, Inc.
Project: 2106181

TestCode: **EPA8270_PENTA**

Sample ID: **LCS-12789**	SampType: **LCS**	TestCode: **EPA8270_PE**	Units: **µg/L**	Prep Date: **6/9/2021**	RunNo: **22058**
Client ID: **LCSW**	Batch ID: **12789**	TestNo: **SW8270C**	**E3510C**	Analysis Date: **6/9/2021**	SeqNo: **351610**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	14.8		20.00		73.8	60	130				

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceeded	MI	Recovery outside comtrol limits due to Matrix In
ND	Not Detected at the Reporting Limit	PL	Permit Limit	RL	Reporting Detection Limit

Original

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Sample Log-In Check List

Client Name: **AnalyticalLab** Work Order Number: **21060313** RcptNo: **1**

Logged by:	**Haylee Crowe**	**6/4/2021 10:48:00 AM**
Completed By:	**Tamra Schmedemann**	**6/4/2021 5:36:05 PM**
Reviewed By:	**Tamra Schmedemann**	**6/4/2021 5:36:08 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? UPS

Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☑
   No. Seal Date: Signed By:
5. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☐ NA ☑ NA
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.7	Good				TCB

Lab Order Number 2106013

Analytical Laboratory Group, Inc.

361 WEST FIFTH AVENUE
EUGENE, OREGON 97401
800-262-5973/541-485-8404 Fax 541-484-5995
Email: alglabs@alglabsinc.com

ALG ANALYTICAL LABORATORY GROUP — Delivering more than just test results

CHAIN OF CUSTODY

Attention:	Katrina Garcia	Client:	Analytical Laboratory Group, Inc
Phone:	541-485-8404	Address:	361 West 5th Avenue
Fax:	541-484-5995		Eugene, OR 97401
Client Project:	Neilson Research	Source: Environmental	ALG PO# 210603-12

Lab ID	ALG Sample ID	ALG Sample Point	Sample Matrix & Description Grab/Comp	Collection Date	Collection Time	Bottles	Analysis Requested
	2106181-001A	002	EW/Grab	6/3/21	1252	(3) 8270C	Pentachlorophenol by EPA 8270C SIM

Notes:
Please Return Shipper
Include: MDL

(A)

Turn Around Time Requested: Normal	Shipped Via: UPS	Refrigerated YES 3.7

	Date	Time		Date	Time
COC and PO made by: Jason B Inman	6/3/21	15:36	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by Laboratory:	6/4/21	15:40

Note: Standard Terms and Conditions on Reverse

Page _____ of _____

Work Order # 2106181

LIMS: MT
Checked: JL

ALG
ANALYTICAL LABORATORY GROUP
361 WEST FIFTH AVENUE
EUGENE, OREGON 97401
Phone: 541-485-8404 Fax: 541-484-5995
Email: alglabs@alglabsinc.com

EW GENERAL CHAIN OF CUSTODY

Report to:	Scott Thielke	Company:	J.H. Baxter & Co.
Phone:	(541) 689-3801	Address:	PO Box 23138
Email:	sthielke@jhbaxter.com	City, State, Zip:	Eugene, OR 97402
Client Project:	Monthly	Sampler Name:	mikefrieseperSOP6141

Sample Point	Sample Matrix & Grab/Comp	Collection Date	Collection Time	Analysis Requested	Bottles -Lab Use Only Type	#	Pres	T °C	Lab ID
002	EW/Grab	6/3/21	1252	Penta	8270C	3		15.1 15.7 15.6	001A
		"	"	pH (field)	J	1		NA	001B

Notes:

Per EPA requirements pH should be tested within 15 minutes of sample collection.

Field pH Result 002: 7.25
Date/Time/Initial: 6/3/21 1256 mf
Field Temp 002 (May - Oct): 18.0° c
Date/Time/Initial: 6/3/21 1252 mf

Preservation Check

Lab ID	Date/Time	Pre-Preserved	pH	Tech

Turn Around Time Requested (Rush incurs a Surcharge): ☒ NORMAL ☐ RUSH

Shipped Via: ALG

Refrigerated: (Ice) None

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by Laboratory:	Date	Time
	6/3/21	1320		6/3/21	13:20