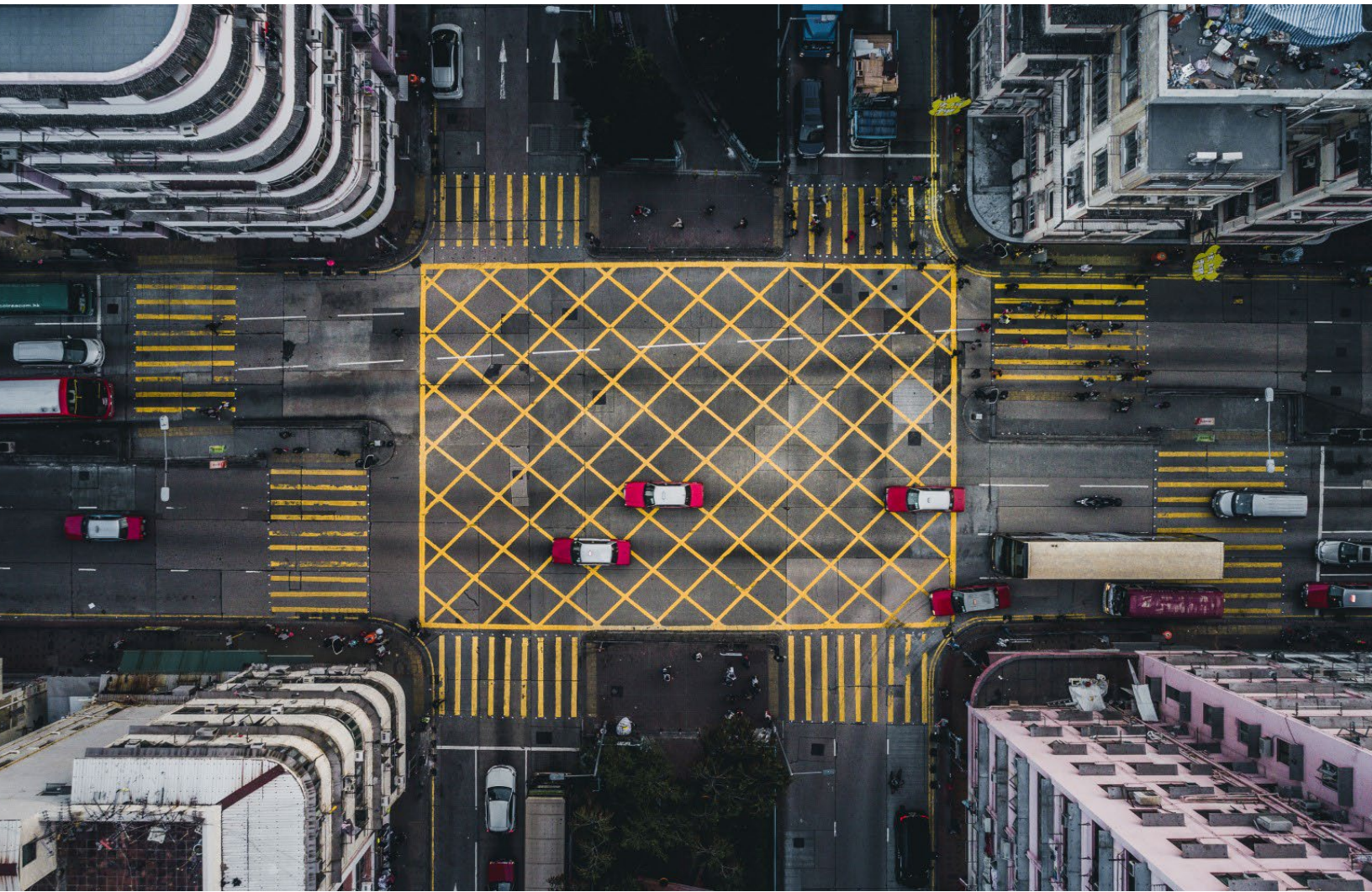
Groundwater Monitoring Report

Former Shell-Branded Service Station
1349 Northwest State Avenue
Chehalis, Washington
Facility/Site ID No.: 47829194
Cleanup Site ID: 9388

Shell Oil Products US

December 18, 2024

→ The Power of Commitment



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1. Introduction

1.1 Site Information

Site Name:	Texaco 63-157-0020
Site Address:	1349 Northwest State Avenue Chehalis, Washington 98532
Facility Site ID:	47829194
Cleanup Site ID:	49388
Project Consultant:	GHD Services Inc.
Project Consultant Contact Information:	Kinga Kozlowska 9725 3rd Ave Northeast, Ste 204 Seattle, Washington 98115 Office – (425) 563-6542
Current Owner/Operator:	Harnek Dhudwal & Anantdeep Kaur Sohi

1.2 Purpose

GHD Services Inc. (GHD) prepared this report on behalf of Shell Oil Products US (Shell) for the former Shell-branded service station located at 1349 Northwest State Avenue, Chehalis, Washington (Property; Figure 1). This report includes groundwater monitoring data collected in January and July 2021, October 2022, September 2023, and September 2024. Current Property features consist of a service station with a convenience store and a coffee stand (Figure 2).

2. 2021-2024 Groundwater Monitoring Events

GHD subcontracted with Blaine Tech Services of Auburn, Washington, to conduct groundwater monitoring activities, including gauging and sampling of 13 monitoring wells at the site, from 2021 through 2024. Monitoring wells MW-2 through MW-14 were gauged and sampled. Monitoring well MW-14 was not gauged or sampled in the October 2022, September 2023, or September 2024 events due to inability to access or locate the well.

Prior to groundwater sample collection, selected monitoring wells were purged with a peristaltic pump and clean tubing using low flow purging procedures. During the purging process, groundwater quality parameters, including temperature, electrical conductance, pH, turbidity, dissolved oxygen, and oxygen reduction potential, were measured at regular intervals using a water quality meter.

Purging at a given well was completed until parameters stabilized. Stabilization was considered achieved when three consecutive measurements were within the following limits:

– Turbidity (10 percent for values greater than 5 NTUs; if three turbidity values are less than 5 NTUs, consider the values as stabilized)
– Dissolved oxygen (10 percent for values greater than 0.5 milligrams per liter (mg/L), if three dissolved oxygen values are less than 0.5 mg/L, consider the values as stabilized)
– Specific Conductance (3 percent)

– Temperature (3 percent)
– pH (+/- 0.1 unit),
– Oxygen reduction potential (+/- 10 millivolts)

The water quality meter was calibrated in accordance with the manufacturer's specification prior to use. The groundwater parameters measured during purging, flow rates, and instrument calibrations were documented in the field by the sampling contractor.

Once purging at a given well was completed, a groundwater sample was collected for laboratory analysis. During the collection of the groundwater samples, the pump discharge was maintained at the same flow rate as used for low flow purging. Each sample container was labeled with the project number, date, time, well number, and sample number. Groundwater samples were collected in appropriate sample containers provided by the laboratory and immediately placed into a cooler containing ice or ice substitute. Samples were delivered to Eurofins in Tacoma or Spokane, Washington, in strict accordance with the industry standard chain of custody protocol.

Groundwater quality data is summarized in **Table 1**. Copies of the laboratory analytical reports are included in **Appendix A**. Copies of the field data sheets documenting the hydraulic monitoring data are included in **Appendix B**.

2.1 Groundwater Elevation Data

Based on the data collected during the sampling event on January 21, 2021, groundwater elevation ranged from 169.86 feet above mean sea level (AMSL) in monitoring well MW-12 to 172.22 feet AMSL in monitoring well MW-14. The groundwater flow direction was calculated to the northwest at a gradient of approximately 0.05 feet per foot (ft/ft) as depicted in Figure 3.

Based on the data collected during the sampling event on July 14, 2021, groundwater elevation ranged from 167.94 feet AMSL in monitoring well MW-13 to 171.88 feet AMSL in monitoring well MW-14. The groundwater flow direction was calculated to the northwest at a gradient of approximately 0.04 ft/ft as depicted in Figure 4.

Based on the data collected during the sampling event on October 11, 2022, groundwater elevation ranged from 167.95 feet AMSL in monitoring well MW-4 to 170.82 feet AMSL in monitoring well MW-10. The groundwater flow direction was calculated to the northwest at a gradient of approximately 0.04 ft/ft as depicted in Figure 5.

Based on the data collected during the sampling event on September 30, 2023, groundwater elevation ranged from 166.22 feet AMSL in monitoring well MW-13 to 170.92 feet AMSL in monitoring well MW-9. The groundwater flow direction was calculated to the northwest at a gradient of approximately 0.05 ft/ft as depicted in Figure 6.

Based on the data collected during the sampling event on September 9, 2024, groundwater elevation ranged from 167.07 feet AMSL in monitoring well MW-13 to 171.30 feet AMSL in monitoring well MW-10. The groundwater flow direction was calculated to the northwest at a gradient of approximately 0.02 ft/ft as depicted in Figure 7.

2.2 Groundwater Quality Data

Groundwater samples collected during the 2021 to 2024 sampling events were analyzed for one or more of the following:

– Total petroleum hydrocarbons (TPH) as gasoline-range by Method NWTPH-Gx;
– TPH as diesel-range (TPHd) and TPH as oil-range (TPHo) by Method NWTPH-Dx and/or by Method NWTPH-Dx with silica gel cleanup;
– Volatile organic compounds: benzene, toluene, ethylbenzene, and xylenes, methyl tertiary-butyl ether, di-isopropyl ether, ethyl-tertiary-butyl ether, tertiary-amyl methyl ether, and tertiary-butanol, and 1,2-dichloroethane by Environmental Protection Agency (EPA) Method 8260D;
– 1,2-Dibromoethane by EPA Method 8011; and/or
– Total and/or dissolved lead by EPA Method 6010D.

All analyzed constituents were reported below the Washington State Department of Ecology Model Toxics Control Act (MTCA) Method A cleanup levels and/or below the laboratory reporting levels with the following exceptions:

- During the sampling event on January 21, 2021, concentrations of TPHg were detected above the MTCA Method A cleanup level in monitoring wells MW-2 and MW-7. Concentrations of TPHd and TPHo were detected above the MTCA Method A cleanup level in monitoring wells MW-2, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-12, MW-13, and MW-14. Concentrations of benzene were detected above the MTCA Method A cleanup level in monitoring wells MW-2, MW-3, MW-4, MW-7, MW-8, and MW-9. Concentrations of total xylenes were detected above the MTCA Method A cleanup level in monitoring wells MW-2 and MW-7.
- During the sampling event on July 14, 2021, concentrations of TPHg were detected above the MTCA Method A cleanup level in monitoring wells MW-2, MW-7, and MW-8. Concentrations of TPHd and/or TPHo were detected above the MTCA Method A cleanup level in monitoring wells MW-2, MW-7, and MW-10. Concentrations of benzene were detected above the MTCA Method A cleanup level in monitoring wells MW-2, MW-7, MW-8, and MW-11.
- During the sampling event on October 11, 2022, concentrations of TPHg were detected above the MTCA Method A cleanup level in monitoring wells MW-2 and MW-7. Concentrations of TPHd and TPHo were detected above the MTCA Method A cleanup level in monitoring wells MW-2, MW-5, MW-6, MW-7, MW-9, MW-10, and MW-13. Concentrations of benzene were detected above the MTCA Method A cleanup level in monitoring wells MW-2 and MW-7.
- During the sampling event on September 20, 2023, concentrations of TPHg were detected above the MTCA Method A cleanup level in monitoring wells MW-2 and MW-7. Concentrations of TPHd and TPHo were detected above the MTCA Method A cleanup level in monitoring wells MW-2, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, and MW-13. Following subsequent silica gel cleanup analysis, the concentration of TPHo remained above the MTCA Method A cleanup level in monitoring well MW-7. Concentrations of benzene were detected above the MTCA Method A cleanup level in monitoring well MW-2.
- During the sampling event on September 9, 2024, concentration of TPHg was detected above the MTCA Method A cleanup level in monitoring well MW-7. Concentrations of TPHd and TPHo were detected above the MTCA Method A cleanup level in monitoring wells MW-2, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, and MW-13. Concentrations of benzene were detected above the MTCA Method A cleanup level in monitoring well MW-2.

3. Summary

Groundwater monitoring and sampling events were completed in January and July 2021, October 2022, September 2023, and September 2024. Groundwater flow was calculated generally to the northwest during all events. Concentrations of TPHg, TPHd, TPHo, benzene and total xylenes were detected above MTCA Method A cleanup levels during these sampling events.

Table

Table 1

Summary of Groundwater Monitoring Data
Former Shell-Branded Retail Service Station
1349 Northwest State Avenue
Chehalis, Washington

					Total Petroleum Hydrocarbons					Primary VOCs				Oxygenates							Lead	
Location ID	**Date**	**TOC**	**DTW**	**GWE**	**TPHg**	**TPHd**	**TPHo**	**TPHd w/SGC**	**TPHo w/SGC**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**DIPE**	**ETBE**	**MTBE**	**TAME**	**TBA**	**EDB**	**EDC**	**Total**	**Dissolved**
		MTCA Method A Cleanup Levels:			**800**	**500**			**500**	**5**	**1,000**	**700**	**1,000**	**NE**	**NE**	**20**	**NE**	**NE**	**0.01**	**5**	**15**	**15**
					µg/L	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**ug/L**
MW-1	6/11/1994	179.36	8.90	170.46	<50	<250	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	<5.0	--
MW-1	9/12/1995	179.36	9.48	169.88	<50	<250	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	<5.0	--
MW-1	11/27/1995	179.36	6.81	172.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2/20/1997	179.36	6.40	172.96	<50	<250	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	--
MW-1	5/20/1997	179.36	7.10	172.26	ND	**878**	ND	--	--	ND	0.9	ND	ND	--	--	--	--	--	--	--	--	--
MW-1	7/31/1997	179.36	7.79	171.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/20/1997	179.36	8.24	171.12	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-1	11/17/1997	179.36	8.20	171.16	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-1	2/19/1998	179.36	6.35	173.01	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-1	5/22/1998	179.36	7.16	172.20	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-1	8/26/1998	179.36	8.64	170.72	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-1	11/30/1998	179.36	6.67	172.69	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-1	4/23/1999	179.36	7.08	172.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	11/22/1999	179.36	8.56	170.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/22/2000	179.36	7.76	171.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	10/19/2000	179.36	9.10	170.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/9/2001	179.36	8.88	170.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	10/23/2001	179.36	10.03	169.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	7/22/2009*	179.36	8.61	170.75	<100	<100	<100	--	--	<0.5	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	<1.00	--
MW-1	10/19/2009	179.36	9.39	169.97	<100	<100	<100	--	--	<0.5	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-1	1/6/2010	179.36	7.33	172.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	4/23/2010	179.36	7.21	172.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	7/23/2010	179.36	7.43	171.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	10/6/2010	179.36	8.60	170.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	1/11/2011	179.36	7.03	172.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/5/2011	179.36	7.14	172.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/1/2011	179.36	8.27	171.09	<100	<95.2	<238	--	--	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	--	--	--	--	--	--
MW-1	11/4/2011	179.36	8.50	170.86	<100	<94.3	<236	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-1	1/10/2012	177.93	7.36	170.57	<100	<95.2	<238	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-2	6/11/1994	179.69	8.22	171.47	**13,000**	2.4	--	--	--	**1,300**	450	650	**2,100**	--	--	--	--	--	--	--	<5.0	--
MW-2	9/12/1995	179.69	10.66	169.03	**3,100**	**1,100**	--	--	--	**1,200**	47	320	430	--	--	--	--	--	--	--	<5.0	--
MW-2	11/27/1995	179.69	7.29	172.40	**4,500**	**1,200**	--	--	--	**1,400**	68	430	540	--	--	--	--	--	--	--	<5.0	--
MW-2	2/20/1997	179.69	7.70	171.99	**5,690**	**1,320**	ND	--	--	**842**	36.8	474	598	--	--	--	--	--	--	--	--	--
MW-2	5/20/1997	179.69	8.45	171.24	**5,210**	ND	ND	--	--	**488**	24.7	395	644	--	--	--	--	--	--	--	--	--
MW-2	7/31/1997	179.69	8.36	171.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/20/1997	179.69	8.97	170.72	**5,910**	**1,130**	ND	--	--	**330**	18.6	301	472	--	--	--	--	--	--	--	--	--
MW-2	11/17/1997	179.69	8.44	171.25	**4,740**	**916**	ND	--	--	**307**	19.9	375	484	--	--	--	--	--	--	--	--	--
MW-2	2/19/1998	179.69	7.90	171.79	**2,600**	ND	ND	--	--	**243**	12.6	185	122	--	--	--	--	--	--	--	--	--
MW-2	5/22/1998	179.69	7.97	171.72	**4,120**	**1,030**	ND	--	--	**197**	13.1	266	363	--	--	--	--	--	--	--	--	--
MW-2	8/26/1998	179.69	9.26	170.43	**3,180**	**766**	ND	--	--	**146**	12	170	232	--	--	--	--	--	--	--	--	--
MW-2	11/30/1998	179.69	7.45	172.24	**3,100**	**728**	ND	--	--	**144**	11.8	162	240	--	--	--	--	--	--	--	--	--
MW-2	4/23/1999	179.69	8.08	171.61	**2,080**	--	--	--	--	**84.9**	6.46	86.2	99.1	--	--	--	--	--	--	--	--	--
MW-2	11/22/1999	179.69	9.19	170.50	**1,780**	--	--	--	--	**98**	5.94	16.5	64	--	--	--	--	--	--	--	--	--
MW-2	5/22/2000	179.69	8.76	170.93	**1,530**	--	--	--	--	**76.5**	4.74	31.3	49.6	--	--	--	--	--	--	--	--	--
MW-2	10/19/2000	179.69	11.21	168.48	96.5	--	--	--	--	1.41	0.695	1.89	<1.0	--	--	--	--	--	--	--	--	--
MW-2	5/9/2001	179.69	10.12	169.57	**1,320**	--	--	--	--	**42.8**	4.11	10.1	25.8	--	--	--	--	--	--	--	--	--
MW-2	10/23/2001	179.69	11.69	168.00	**1,550**	--	--	--	--	**72.7**	5.42	2.63	41.7	--	--	7.01	--	--	--	--	--	--
MW-2	8/20/2002	179.69	10.84	168.85	**1,000**	300	<500	--	--	**44**	2	2	18	--	--	--	--	--	--	--	--	--
MW-2	2/20/2003	179.69	9.15	170.54	**1,400**	<250	<500	--	--	**76**	3.8	<1	<1	--	--	3.4	--	--	--	--	--	--
MW-2	7/21/2003	179.69	10.24	169.45	760	370	<500	--	--	**42**	3.3	<1	11	--	--	13	--	--	--	--	--	--
MW-2	2/17/2004	179.69	8.73	170.96	**910**	<250	<500	--	--	**31**	3.7	<1	4.3	--	--	<1	--	--	--	--	--	--
MW-2	8/12/2004	179.69	10.84	168.85	740	**660**	<500	--	--	**19**	2.8	<1	9.7	--	--	4.3	--	--	--	--	--	--
MW-2	2/8/2005	179.69	9.75	169.94	**920**	<250	<500	--	--	**22**	3.8	<1	9.1	--	--	<1	--	--	--	--	--	--
MW-2	8/30/2005	179.69	10.90	168.79	**840**	270	<500	--	--	**30**	2.3	<1	9.3	--	--	--	--	--	--	--	--	--
MW-2	2/9/2006	179.69	6.96	172.73	575	<236	<472	--	--	**9.71**	1.82	0.755	3.89	--	--	--	--	--	--	--	--	--
MW-2	11/7/2006	179.69	11.16	168.53	796	**618**	**171**	--	--	**9.84**	3.15	<0.500	9.43	--	--	<5.00	--	--	--	--	--	--
MW-2	3/20/2007	179.69	9.36	170.33	626	**632 a**	<500	--	--	2.57	1.66	<0.500	<3.00	--	--	--	--	--	--	--	--	--
MW-2	6/18/2007	179.69	11.66	168.03	687	436 b	<500	--	--	2.39	1.86	<0.500	3.87	--	--	--	--	--	--	--	--	--
MW-2	9/20/2007	179.69	13.13	166.56	255	**798 a**	**637**	--	--	1.79	1.76	<0.500	5.12	--	--	--	--	--	--	--	--	--
MW-2	12/3/2007	179.69	10.73	168.96	394	**474 e,f**	**226**	--	--	2.22	2.31	3.91	7.52	--	--	1.47	--	--	--	--	--	--
MW-2	2/27/2008	179.69	7.63	172.06	665	**810**	**526**	--	--	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--
MW-2	7/22/2008	179.69	9.60	170.09	660	**580**	<100	--	--	0.26	1.3	<1.0	1.4	--	--	--	--	--	--	--	--	--
MW-2	10/2/2008	179.69	10.61	169.08	400	300	<100	--	--	<0.50	<1	<1	<1	--	--	1.5	--	--	--	--	--	--
MW-2	1/21/2009	179.69	7.45	172.24	300	350	<100	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-2	4/8/2009	179.69	8.28	171.41	370	350	110	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-2	7/22/2009	179.69	9.84	169.85	--	380	<100	--	--	--	--	--	--	--	--	2.3	--	--	--	--	<1.00	--
MW-2	10/19/2009	179.69	10.50	169.19	270	130 h	<100	--	--	<0.5	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-2	1/6/2010	179.69	8.58	171.11	370	270 h	<100	--	--	<0.5	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-2	4/23/2010	179.69	8.44	171.25	220	**400**	**170**	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-2	7/2/2010	179.69	8.79	170.90	280 h	120 h	<100	--	--	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	--	--
MW-2	10/6/2010	179.69	9.70	169.99	280 h	**510 h**	**350 h**	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-2	1/11/2011	179.69	8.60	171.09	179	248	<96.2	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-2	5/5/2011	179.69	8.11	171.58	134	146	<95.2	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-2	8/1/2011	179.69	9.30	170.39	220	260	<238	--	--	<1.00	<1.00	<1.00	<3.00	--	--	1.06	--	--	--	--	--	--
MW-2	11/4/2011	179.69	9.34	170.35	228	285	<238	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-2	1/10/2012	178.27	8.80	169.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data
Former Shell-Branded Retail Service Station
1349 Northwest State Avenue
Chehalis, Washington

					Total Petroleum Hydrocarbons					Primary VOCs				Oxygenates							Lead	
Location ID	**Date**	**TOC**	**DTW**	**GWE**	**TPHg**	**TPHd**	**TPHo**	**TPHd w/SGC**	**TPHo w/SGC**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**DIPE**	**ETBE**	**MTBE**	**TAME**	**TBA**	**EDB**	**EDC**	**Total**	**Dissolved**
		MTCA Method A Cleanup Levels:			**800**	**500**		**500**		**5**	**1,000**	**700**	**1,000**	**NE**	**NE**	**20**	**NE**	**NE**	**0.01**	**5**	**15**	**15**
					µg/L	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**ug/L**
MW-2	8/8/2012	178.27	8.51	169.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/10/2013	178.27	8.70	169.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/3/2013	178.27	8.01	170.26	188	**244**	**379**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-2	9/16/2013	178.27	8.40	169.87	144	**468 / 408**	**270 / 444**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-2	12/18/2013	178.27	8.54	169.73	**15,300**	253 / 156	201 / 121	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-2	1/9/2014	178.27	8.35	169.92	184	**293 / 419**	**428 / 344**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-2	3/4/2014	178.27	8.19	170.08	154	194 / 213	112 / 103	--	--	**10.5**	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-2	6/11/2014	178.27	7.93	170.34	177	231 / 221	95.7 / 118	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-2	8/28/2014	178.27	9.41	168.86	189	**303**	**234**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-2	12/8/2014	178.27	8.23	170.04	189	210	93.9	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-2	3/17/2015	178.27	7.65	170.62	183	--	--	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-2	6/8/2015	178.27	8.42	169.85	127	--	--	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-2	8/27/2015	178.27	10.21	168.06	131	--	--	--	--	<1.00	<1.00	<1.00	<3.00	<2.00	<1.00	<1.00	<1.00	30.30	--	--	--	--
MW-2	12/22/2015	178.27	7.08	171.19	310	--	--	--	--	**46.1**	8.79	0.299 J	2.69 J	--	--	--	--	--	--	--	--	--
MW-2	3/22/2016	178.27	7.02	171.25	468	--	--	--	--	**82.7**	15.1	0.255 J	3.92	--	--	--	--	--	--	--	--	--
MW-2	6/1/2016	178.27	8.35	169.92	407	--	--	--	--	**47.9**	15.6	0.734 J	5.62	--	--	--	--	--	--	--	--	--
MW-2	9/23/2016	178.27	9.05	169.22	287	--	--	--	--	**27.8**	8.73	0.402 J	5.72	<0.170	4.28	0.705 J	<0.170	509	--	--	--	--
MW-2	12/16/2016	178.27	8.11	170.16	547	--	--	--	--	**78.3**	97.1	1.81 J	17.2	--	--	--	--	--	--	--	--	--
MW-2	3/7/2017	178.27	7.72	170.55	**1,140**	--	--	--	--	**144**	384	5.08	36.6	--	--	--	--	--	--	--	--	--
MW-2	6/9/2017	178.27	8.14	170.13	**3,390**	--	--	--	--	**345**	**1,210**	37.0	258	--	--	--	--	--	--	--	--	--
MW-2	9/7/2017	178.27	9.20	169.07	**1,040**	--	--	--	--	**304**	33.5	23.4	145	0.325 J	13.6	10.1	<0.170	1,060	--	--	--	--
MW-2	12/27/2017	178.27	10.15	168.12	**1,970**	--	--	--	--	**562**	80.8	43.2	334	--	--	--	--	--	--	--	--	--
MW-2	6/12/2018	178.27	8.31	169.96	**2,610**	--	--	--	--	**590**	61.3	249	**1,940**	<0.170	7.07	5.14	<0.170	1,310	--	--	--	--
MW-2	12/27/2018	178.27	9.27	169.00	**4,100**	--	--	--	--	**700**	85.6	359	**2,120**	--	--	--	--	--	--	--	--	--
MW-2	6/25/2019	178.27	9.03	169.24	**4,690**	--	--	--	--	**621**	35.4	274	**1,900**	<1.70	<2.10	<1.70	<1.70	2,720	--	--	--	--
MW-2	12/10/2019	178.27	9.33	168.94	**5,740**	--	--	--	--	**609**	18.5	333	**2,450**	--	--	--	--	--	--	--	--	--
MW-2	6/19/2020	178.27	8.70	169.57	**5,460 J**	--	--	--	--	**659**	24.2 J	340	**2,240 J**	<3.5	<9.1	<4.4	<5.8	4,300	--	--	--	--
MW-2	1/21/2021	178.27	7.61	170.66	**5,520**	**5,030**	**671**	--	--	**332**	77.5	0.200	**1,060**	<40.0	0.687	1.12	<0.500	25.0	<0.0102	<0.200	--	<30.0
MW-2	7/14/2021	178.27	9.13	169.14	**2,950**	**1,310**	<118	--	--	**514**	34.0	230	602	--	--	0.594 J	--	--	<0.00250	<0.310	<5.10	<5.10
MW-2	10/11/2022	178.27	10.10	168.17	**1,450**	**639**	**134 J**	--	--	**269**	12.0	2.17	29.7	--	--	0.897 J	--	--	0.00579 J	<0.310	<5.10	<5.10
MW-2	9/20/2023	178.27	10.10	168.17	**865**	**2,590**	**1,340**	262	495	**144**	14.4	1.54	11.4	--	--	<0.440	--	--	<0.00199	<0.420	5.49	<2.70
MW-2	9/9/2024	178.27	9.59	168.68	554	**2,210**	**1,520**	--	--	**34.8**	6.43	<0.500	5.77	--	--	--	--	--	--	--	--	<0.200
MW-2 Dup	9/9/2024	178.27	9.59	168.68	560	**1,910**	**1,180**	--	--	**34.9**	6.20	<0.500	5.62	--	--	--	--	--	--	--	--	<0.200
MW-3	6/11/1994	179.45	9.34	170.11	<50	<250	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	<5.0	--
MW-3	9/12/1995	179.45	9.34	170.11	<50	<250	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	<5.0	--
MW-3	11/27/1995	179.45	6.62	172.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/20/1997	179.45	6.55	172.90	ND	**548**	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-3	5/20/1997	179.45	7.56	171.89	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-3	7/31/1997	179.45	7.77	171.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/20/1997	179.45	8.22	171.23	ND	290	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-3	11/17/1997	179.45	7.03	172.42	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-3	2/19/1998	179.45	6.55	172.90	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-3	5/22/1998	179.45	7.35	172.10	ND	299	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-3	8/26/1998	179.45	8.52	170.93	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-3	11/30/1998	179.45	6.68	172.77	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-3	4/23/1999	179.45	7.08	172.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	11/22/1999	179.45	8.06	171.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	5/22/2000	179.45	7.62	171.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	10/19/2000	179.45	9.17	170.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	5/9/2001	179.45	8.53	170.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	10/23/2001	179.45	9.72	169.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/20/2002	179.45	9.62	169.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/20/2003	179.45	7.57	171.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	7/21/2003	179.45	9.32	170.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	7/22/2009	179.45	8.60	170.85	<100	140	<100	--	--	<0.5	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	<1.00	--
MW-3	10/19/2009	179.45	9.21	170.24	<100	<100	<100	--	--	<0.5	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-3	1/6/2010	179.45	7.39	172.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	4/23/2010	179.45	7.03	172.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	7/2/2010	179.45	7.40	172.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	10/6/2010	179.45	8.41	171.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	1/11/2011	179.45	7.00	172.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	5/5/2011	179.45	7.00	172.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/1/2011	179.45	8.21	171.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	11/4/2011	179.45	8.65	170.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	1/10/2012	178.03	7.22	170.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/8/2012	178.03	8.28	169.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	1/10/2013	178.03	6.60	171.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	4/3/2013	178.03	6.82	171.21	<100	<93.5	<93.5	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-3	9/16/2013	178.03	7.80	170.23	<100	176 / 155	122 / 302	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-3	12/18/2013	178.03	7.11	170.92	<100	<94.3 / <94.3	<94.3 / 109	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-3	1/9/2014	178.03	7.33	170.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	3/4/2014	178.03	6.31	171.72	<100	<95.2 / <95.2	<95.2 / <95.2	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-3	6/11/2014	178.03	7.45	170.58	<100	<93.9 / <93.9	<93.9 / <93.9	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-3	8/28/2014	178.03	8.63	169.40	<100	95.1	<93.9	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-3	12/8/2014	178.03	7.27	170.76	<100	<93.9	114	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-3	3/17/2015	178.03	7.02	171.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data
Former Shell-Branded Retail Service Station
1349 Northwest State Avenue
Chehalis, Washington

					Total Petroleum Hydrocarbons					Primary VOCs				Oxygenates							Lead	
Location ID	**Date**	**TOC**	**DTW**	**GWE**	**TPHg**	**TPHd**	**TPHo**	**TPHd w/SGC**	**TPHo w/SGC**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**DIPE**	**ETBE**	**MTBE**	**TAME**	**TBA**	**EDB**	**EDC**	**Total**	**Dissolved**
		MTCA Method A Cleanup Levels:			**800**	**500**			**500**	**5**	**1,000**	**700**	**1,000**	**NE**	**NE**	**20**	**NE**	**NE**	**0.01**	**5**	**15**	**15**
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L
MW-3	6/8/2015	178.03	6.89	171.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/27/2015	178.03	9.12	168.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/22/2015	178.03	6.20	171.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	3/22/2016	178.03	6.35	171.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/1/2016	178.03	7.92	170.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	9/23/2016	178.03	8.49	169.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/16/2016	178.03	6.74	171.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	3/7/2017	178.03	6.41	171.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/9/2017	178.03	7.41	170.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	9/7/2017	178.03	8.74	169.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/27/2017	178.03	7.13	170.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/12/2018	178.03	7.90	170.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/27/2018	178.03	7.23	170.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/25/2019	178.03	8.26	169.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/10/2019	178.03	8.00	170.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/19/2020	178.03	7.35	170.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	1/21/2021	178.03	6.50	171.53	<250	151	<348	--	--	**131**	4.76	15.3	13.0	--	--	<0.300	--	--	<0.00992	<0.200	--	<30.0
MW-3	7/14/2021	178.03	7.92	170.11	<70.4	<111	<121	--	--	0.201 J	<0.312	0.215 J	0.706 J	--	--	<0.160	--	--	<0.00250	<0.310	<5.10	<5.10
MW-3	10/11/2022	178.03	8.99	169.04	46.4 J	<101	<110	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	<0.160	--	--	<0.00250	<0.310	<5.10	<5.10
MW-3	9/20/2023	178.03	9.42	168.61	<14.0	117	240 J	<114	<364	<0.240	<0.390	<0.500	<0.530	--	--	<0.440	--	--	<0.00199	<0.420	<0.200	<2.70
MW-3	9/9/2024	178.03	8.62	169.41	<73.0	171 J	236 J	--	--	<0.240	<0.390	<0.500	<0.530	--	--	--	--	--	--	--	--	<0.200
MW-4	9/12/1995	177.58	8.56	169.02	<50	<250	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	<5.0	--
MW-4	11/27/1995	177.58	5.63	171.95	<50	490	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	<5.0	--
MW-4	2/20/1997	177.58	4.65	172.93	55.5	**938**	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-4	5/20/1997	177.58	6.02	171.56	ND	**1,090**	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-4	7/31/1997	177.58	6.90	170.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	8/20/1997	177.58	7.35	170.23	ND	**853**	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-4	11/17/1997	177.58	6.07	171.51	73.9	**628**	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-4	2/19/1998	177.58	5.77	171.81	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-4	5/22/1998	177.58	6.52	171.06	ND	499	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-4	8/26/1998	177.58	7.66	169.92	ND	419	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-4	11/30/1998	177.58	5.80	171.78	51.4	**537**	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-4	4/23/1999	177.58	6.50	171.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	11/22/1999	177.58	7.43	170.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	5/22/2000	177.58	6.90	170.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/19/2000	177.58	8.47	169.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	5/9/2001	177.58	8.38	169.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/23/2001	177.58	9.37	168.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	8/20/2002	177.58	9.11	168.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/20/2003	177.58	6.98	170.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/21/2003	177.58	8.76	168.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	6/18/2007	177.58	7.71	169.87	<50.0	<250	<500	--	--	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--
MW-4	9/20/2007	177.58	9.07	168.51	<50.0	**1,060 a**	**869**	--	--	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--
MW-4	12/3/2007	177.58	7.13	170.45	<250	195	207 f,g	--	--	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	--	--	--	--	--	--
MW-4	2/27/2008	177.58	4.46	173.12	69.0	**636**	**480**	--	--	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--
MW-4	7/22/2008	177.58	7.82	169.76	<100	330	<100	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-4	10/2/2008	177.58	8.63	168.95	<100	150	<100	--	--	<0.50	<1	<1	<1	--	--	<1	--	--	--	--	--	--
MW-4	1/21/2009	177.58	5.24	172.34	<100	240	<100	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-4	4/8/2009	177.58	6.68	170.90	<100	300	<100	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-4	7/22/2009*,**	177.58	7.87	169.71	--	250	<100	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<1.00	--
MW-4	10/19/2009	177.58	8.59	168.99	<100	<100	<100	--	--	<0.5	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-4	1/6/2010	177.58	6.51	171.07	<100	230	<100	--	--	<0.5	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-4	4/23/2010	177.58	6.51	171.07	<100	290	140	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-4	7/2/2010	177.58	6.62	170.96	<100	<100	<100	--	--	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	--	--
MW-4	10/6/2010	177.58	7.89	169.69	<100	**330 h**	**290 h**	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-4	1/11/2011	177.58	6.14	171.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	5/5/2011	177.58	6.42	171.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	8/1/2011	177.58	7.51	170.07	<100	**933**	**409**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	--	--	--	--	--	--
MW-4	11/4/2011	177.58	7.73	169.85	<100	393	<240	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-4	1/10/2012	176.18	6.21	169.97	<100	**687**	**617**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-4	8/8/2012	176.18	7.43	168.75	<100	**805**	**485**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	--	--	--	--	--	--
MW-4	1/10/2013	176.18	5.92	170.26	<100	454	<94.3	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-4	4/3/2013	176.18	6.23	169.95	<100	**1,090**	**427**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-4	9/16/2013	176.18	7.02	169.16	<100	**439 / 528**	**341 / 488**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-4	12/18/2013	176.18	6.22	169.96	<100	**291 / 562**	**241 / 444**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-4	1/9/2014	176.18	6.30	169.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	3/4/2014	176.18	5.18	171.00	<100	**412 / 513**	**191 / 178**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-4	6/11/2014	176.18	6.44	169.74	<100	**613 / 549**	**271 / 161**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-4	8/28/2014	176.18	7.81	168.37	<100	**419**	**249**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-4	12/8/2014	176.18	6.46	169.72	<100	149	<93.9	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-4	3/17/2015	176.18	5.95	170.23	<100	**614**	**128**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-4	6/8/2015	176.18	6.95	169.23	<100	222	<94.3	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-4	8/27/2015	176.18	8.36	167.82	<100	318	<93.0	--	--	<1.00	<1.00	<1.00	<3.00	<2.00	<1.00	<1.00	<1.00	<10.0	--	--	--	--
MW-4	12/22/2015	176.18	4.88	171.30	<52.0	194 J	<380	--	--	<0.0320	<0.380	<0.0860	<0.0160	--	--	--	--	--	--	--	--	--
MW-4	3/22/2016	176.18	5.31	170.87	28.2 J	289	63.4 J	--	--	<0.0320	<0.0380	<0.0860	<0.0160	--	--	--	--	--	--	--	--	--
MW-4	6/1/2016	176.18	6.96	169.22	18.1 J	120 J	<60.9	--	--	<0.0930	<0.312	<0.198	<0.162	--	--	--	--	--	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data
Former Shell-Branded Retail Service Station
1349 Northwest State Avenue
Chehalis, Washington

					Total Petroleum Hydrocarbons					Primary VOCs				Oxygenates							Lead	
Location ID	**Date**	**TOC**	**DTW**	**GWE**	**TPHg**	**TPHd**	**TPHo**	**TPHd w/SGC**	**TPHo w/SGC**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**DIPE**	**ETBE**	**MTBE**	**TAME**	**TBA**	**EDB**	**EDC**	**Total**	**Dissolved**
		MTCA Method A Cleanup Levels:			**800**	**500**		**500**		**5**	**1,000**	**700**	**1,000**	**NE**	**NE**	**20**	**NE**	**NE**	**0.01**	**5**	**15**	**15**
					µg/L	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**ug/L**
MW-4	9/23/2016	176.18	7.83	168.35	<17.8	121	<60.7	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	33.10	--	--	--	--
MW-4	12/16/2016	176.18	5.66	170.52	<17.8	102 J	<60.3	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-4	3/7/2017	176.18	5.21	170.97	<70.4	202 J	<124	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-4	6/9/2017	176.18	6.31	169.87	<70.4	285	<132	--	--	<0.0930	<0.312	<0.198	0.471 J	--	--	--	--	--	--	--	--	--
MW-4	9/7/2017	176.18	7.99	168.19	<70.4	195 J	<122	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-4	12/27/2017	176.18	6.12	170.06	<70.4	285	<127	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-4	6/12/2018	176.18	7.00	169.18	<70.4	195 J	<112	--	--	<0.200	<0.170	<0.190	1.73 J	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-4	12/27/2018	176.18	6.18	170.00	<70.4	**829**	**833**	--	--	0.809	<0.438	<0.198	<1.03	--	--	--	--	--	--	--	--	--
MW-4	6/25/2019	176.18	7.32	168.86	<70.4 J	145 J	<119	--	--	<0.200 J	0.266 J	<0.190 J	0.786 J	<0.170 J	<0.210 J	<0.170 J	<0.170 J	<3.90 J	--	--	--	--
MW-4	12/10/2019	176.18	7.14	169.04	<70.4	179 J	<120	--	--	<0.0930	<0.312	<0.198	1.18 J	--	--	--	--	--	--	--	--	--
MW-4	6/19/2020	176.18	6.53	169.65	<70.4	127 J	<112	--	--	<0.24	<0.39	<0.5	1.57 J	<0.35	<0.91	<0.44	<0.58	<9.79 J	--	--	--	--
MW-4	1/21/2021	176.18	5.33	170.85	<250	**1,130**	**1,010**	--	--	**6.47**	0.473	<0.200	0.758	--	--	<0.300	--	--	<0.0104	<0.200	--	<30.0
MW-4	7/14/2021	176.18	7.17	169.01	<70.4	<106	<116	--	--	<0.0930	<0.312	<0.198	1.05 J	--	--	<0.160	--	--	<0.00250	<0.310	<5.10	<5.10
MW-4	10/11/2022	176.18	8.23	167.95	48.9 J	189 J	<111	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	<0.160	--	--	<0.00250	<0.310	<5.10	<5.10
MW-4	9/20/2023	176.18	8.43	167.75	22.2 J	**511**	**511**	<116	<369	<0.240	<0.390	<0.500	<0.530	--	--	<0.440	--	--	<0.00202	<0.420	<0.200	<2.70
MW-4	9/9/2024	176.18	7.86	168.32	<73.0	**457**	**462**	--	--	<0.240	<0.390	<0.500	<0.530	--	--	--	--	--	--	--	--	<0.200
MW-5	9/12/1995	177.10	7.73	169.37	<50	<250	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	<5.0	--
MW-5	11/27/1995	177.10	6.21	170.89	<50	<250	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	<5.0	--
MW-5	2/20/1997	177.10	4.56	172.54	ND	**1,540**	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-5	5/20/1997	177.10	5.65	171.45	ND	**2,610**	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-5	7/31/1997	177.10	6.47	170.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/20/1997	177.10	6.93	170.17	ND	**2,170**	**869**	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-5	11/17/1997	177.10	5.72	171.38	ND	**2,270**	**854**	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-5	2/19/1998	177.10	5.33	171.77	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-5	5/22/1998	177.10	6.07	171.03	ND	**2,420**	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-5	8/26/1998	177.10	7.25	169.85	ND	**1,360**	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-5	11/30/1998	177.10	5.51	171.59	ND	**2,460**	**771**	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-5	4/23/1999	177.10	5.39	171.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/22/1999	177.10	7.19	169.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	5/22/2000	177.10	6.14	170.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/19/2000	177.10	8.10	169.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	5/9/2001	177.10	7.77	169.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/23/2001	177.10	8.76	168.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	6/18/2007	177.10	7.28	169.82	<50.0	**790 c**	<500	--	--	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--
MW-5	9/20/2007	177.10	8.82	168.28	<50.0	**2,740 a**	**1,710**	--	--	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--
MW-5	12/3/2007	177.10	6.74	170.36	<250	**1,160 e,f**	**1,020**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	--	--	--	--	--	--
MW-5	2/27/2008	177.10	5.81	171.29	<50.0	**3,800**	**2,310**	--	--	3.86	2.41	<0.500	<0.500	--	--	--	--	--	--	--	--	--
MW-5	7/22/2008	177.10	7.23	169.87	<100	**560**	<100	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-5	10/2/2008	177.10	8.00	169.10	<100	400	<100	--	--	<0.50	<1	<1	<1	--	--	<1	--	--	--	--	--	--
MW-5	1/21/2009	177.10	4.74	172.36	<100	**450**	**120**	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-5	4/8/2009	177.10	5.83	171.27	<100	220	220	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-5	7/22/2009*,**	177.10	6.95	170.15	--	**680**	**120**	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<1.00	--
MW-5	10/19/2009	177.10	8.14	168.96	<100	190	<100	--	--	<0.5	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-5	1/6/2010	177.10	5.53	171.57	<100	410	<100	--	--	<0.5	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-5	4/23/2010	177.10	5.26	171.84	<100	200	120	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-5	7/2/2010	177.10	5.62	171.48	<100	190 h	<100	--	--	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	--	--
MW-5	10/6/2010	177.10	7.37	169.73	<100	**900 h**	**340 h**	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-5	1/11/2011	177.10	4.88	172.22	<100	245	124	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-5	5/5/2011	177.10	5.74	171.36	<100	251	<95.2	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-5	8/1/2011	177.10	6.92	170.18	<100	285	<238	--	--	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	--	--	--	--	--	--
MW-5	11/4/2011	177.10	7.41	169.69	<100	183	<245	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-5	1/10/2012	175.65	6.04	169.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/8/2012	175.65	7.25	168.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/10/2013	175.65	5.22	170.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/3/2013	175.65	6.53	169.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	9/16/2013	175.65	6.90	168.75	<100	**2,090 / 1,620**	**794 / 1,090**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-5	12/18/2013	175.65	5.88	169.77	<100	**1,370 / 1,580**	**652 / 936**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-5	1/9/2014	175.65	5.80	169.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	3/4/2014	175.65	5.34	170.31	<100	**1,700 / 1,760**	**846 / 762**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-5	6/11/2014	175.65	5.91	169.74	<100	**1,300 / 1,350**	**562 / 384**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-5	8/28/2014	175.65	6.99	168.66	<100	**1,510**	**473**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-5	12/8/2014	175.65	6.26	169.39	<100	**1,130**	**334**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-5	3/17/2015	175.65	5.30	170.35	<100	**794**	<93.5	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-5	6/8/2015	175.65	6.65	169.00	<100	**864**	**97.8**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-5	8/27/2015	175.65	7.59	168.06	<100	**1,060**	**196**	--	--	<1.00	<1.00	<1.00	<3.00	<2.00	<1.00	<1.00	<1.00	<10.0	--	--	--	--
MW-5	12/22/2015	175.65	4.85	170.80	<52.0	**830**	<285	--	--	0.0758 J	<0.0380	<0.0860	0.267 J	--	--	--	--	--	--	--	--	--
MW-5	3/22/2016	175.65	4.45	171.20	<17.8	149	<60.3	--	--	<0.0320	<0.0380	<0.0860	<0.0160	--	--	--	--	--	--	--	--	--
MW-5	6/1/2016	175.65	6.16	169.49	18.8 J	**568**	**116 J**	--	--	<0.0930	<0.312	<0.198	<0.162	--	--	--	--	--	--	--	--	--
MW-5	9/23/2016	175.65	7.49	168.16	<17.8	**621**	**85.8 J**	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-5	12/16/2016	175.65	5.54	170.11	<17.8	**680**	**131 J**	--	--	<0.465	<1.56	<0.990	<2.21	--	--	--	--	--	--	--	--	--
MW-5	3/7/2017	175.65	4.40	171.25	<70.4	209 J	<123	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-5	6/9/2017	175.65	5.75	169.90	<70.4	**657**	**158 J**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-5	9/7/2017	175.65	7.30	168.35	<70.4	**801**	**200 J**	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-5	12/27/2017	175.65	5.80	169.85	<70.4	**786**	**138 J**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-5	6/12/2018	175.65	6.57	169.08	<70.4	**589**	**115 J**	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-5	12/27/2018	175.65	5.65	170.00	<70.4	**1,090**	**895**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data
Former Shell-Branded Retail Service Station
1349 Northwest State Avenue
Chehalis, Washington

					Total Petroleum Hydrocarbons					Primary VOCs				Oxygenates							Lead	
Location ID	**Date**	**TOC**	**DTW**	**GWE**	**TPHg**	**TPHd**	**TPHo**	**TPHd w/SGC**	**TPHo w/SGC**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**DIPE**	**ETBE**	**MTBE**	**TAME**	**TBA**	**EDB**	**EDC**	**Total**	**Dissolved**
		MTCA Method A Cleanup Levels:			**800**	**500**		**500**		**5**	**1,000**	**700**	**1,000**	**NE**	**NE**	**20**	**NE**	**NE**	**0.01**	**5**	**15**	**15**
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L
MW-5	6/25/2019	175.65	6.90	168.75	<70.4	**564**	**128 J**	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-5	12/10/2019	175.65	6.42	169.23	<70.4	**453**	**166 J**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-5	6/19/2020	175.65	6.62	169.03	<70.4	**459**	**140 J**	--	--	<0.24	<0.39	<0.5	<0.39	<0.35	<0.91	<0.44	<0.58	<9.79 J	--	--	--	--
MW-5	1/21/2021	175.65	4.94	170.71	<250	**1,460**	**972**	--	--	<0.200	<0.200	<0.200	<0.500	--	--	<0.300	--	--	<0.0100	<0.200	--	<30.0
MW-5	7/14/2021	175.65	6.81	168.84	<70.4	269	<113	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	<0.160	--	--	<0.00250	<0.310	<5.10	<5.10
MW-5	10/11/2022	175.65	7.35	168.30	40.9 J	**548**	**465**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	<0.160	--	--	<0.00250	<0.310	<5.10	<5.10
MW-5	9/20/2023	175.65	7.71	167.94	<14.0	**1,050**	**852**	97.5	<363	<0.240	<0.390	<0.500	<0.530	--	--	<0.440	--	--	<0.00201	<0.420	<0.200	2.80 J
MW-5	9/9/2024	175.65	6.91	168.74	<73.0	**1,150**	**1,170**	--	--	<0.240	<0.390	<0.500	<0.530	--	--	--	--	--	--	--	--	<0.200
MW-6	11/27/1995	177.84	5.24	172.60	**1,100**	**750**	--	--	--	**570**	8.9	41	260	--	--	--	--	--	--	--	<5.0	--
MW-6	2/20/1997	177.84	6.00	171.84	761	**1,180**	ND	--	--	**333**	6.17	15.5	56.9	--	--	--	--	--	--	--	--	--
MW-6	5/20/1997	177.84	5.93	171.91	**2,140**	**884**	ND	--	--	**547**	19.8	58.7	309	--	--	--	--	--	--	--	--	--
MW-6	7/31/1997	177.84	6.02	171.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/20/1997	177.84	6.33	171.51	**1,620**	**1,170**	ND	--	--	**430**	18.4	42.3	263	--	--	--	--	--	--	--	--	--
MW-6	11/17/1997	177.84	6.18	171.66	**1,110**	419	ND	--	--	**291**	13.9	23.2	195	--	--	--	--	--	--	--	--	--
MW-6	2/19/1998	177.84	6.00	171.84	692	ND	ND	--	--	**114**	11.8	12.4	87.2	--	--	--	--	--	--	--	--	--
MW-6	5/22/1998	177.84	6.27	171.57	**1,290**	**1,040**	ND	--	--	**250**	12	48.3	213	--	--	--	--	--	--	--	--	--
MW-6	8/26/1998	177.84	6.68	171.16	**1,230**	**613**	ND	--	--	**231**	13.4	35.3	180	--	--	--	--	--	--	--	--	--
MW-6	11/30/1998	177.84	5.10	172.74	575	**879**	ND	--	--	**148**	8.71	6.94	91.2	--	--	--	--	--	--	--	--	--
MW-6	4/23/1999	177.84	5.23	172.61	409	--	--	--	--	**37.9**	5.84	1.32	37.6	--	--	--	--	--	--	--	--	--
MW-6	11/22/1999	177.84	6.05	171.79	351	--	--	--	--	**47.4**	3.98	<0.5	18.2	--	--	--	--	--	--	--	--	--
MW-6	5/22/2000	177.84	6.32	171.52	644	--	--	--	--	**47.8**	7.59	3.98	27.7	--	--	--	--	--	--	--	--	--
MW-6	10/19/2000	177.84	8.02	169.82	**1,410**	--	--	--	--	**86.7**	5.7	3	42.7	--	--	--	--	--	--	--	--	--
MW-6	5/9/2001	177.84	6.92	170.92	725	--	--	--	--	**61.3**	6.03	4.46	32.7	--	--	--	--	--	--	--	--	--
MW-6	10/23/2001	177.84	8.94	168.90	387	--	--	--	--	**6.23**	5.10	<0.5	14	--	--	<0.5	--	--	--	--	--	--
MW-6	8/20/2002	177.84	8.62	169.22	600	300	<500	--	--	<1	4	<1	10	--	--	--	--	--	--	--	--	--
MW-6	2/20/2003	177.84	6.34	171.50	710	<250	<500	--	--	**8.7**	<1	<1	<1	--	--	16	--	--	--	--	--	--
MW-6	7/21/2003	177.84	8.17	169.67	430	350	<500	--	--	**5.4**	4	<1	7	--	--	6.2	--	--	--	--	--	--
MW-6	2/17/2004	177.84	6.37	171.47	410	360	<500	--	--	3.7	1.8	<1	1.8	--	--	2.6	--	--	--	--	--	--
MW-6	8/12/2004	177.84	7.74	170.10	410	**640**	<500	--	--	<1	2.9	<1	4.3	--	--	4.2	--	--	--	--	--	--
MW-6	2/8/2005	177.84	6.46	171.38	560	310	<500	--	--	2.4	3.2	<1	4.9	--	--	<1	--	--	--	--	--	--
MW-6	8/30/2005	177.84	7.51	170.33	450	370	<500	--	--	<1	2.3	<1	4.9	--	--	--	--	--	--	--	--	--
MW-6	2/9/2006	177.84	5.86	171.98	116	<236	<472	--	--	<0.5	0.548	<0.5	<1.0	--	--	--	--	--	--	--	--	--
MW-6	11/7/2006	177.84	5.00	172.84	284	**468**	**208**	--	--	<0.500	0.950	<0.500	<3.00	--	--	<5.00	--	--	--	--	--	--
MW-6	3/20/2007	177.84	4.22	173.62	278	**1,030 a**	**677**	--	--	<0.500	0.850	<0.500	<3.00	--	--	--	--	--	--	--	--	--
MW-6	6/18/2007	177.84	6.41	171.43	477	**541 e**	<485	--	--	<0.500	1.60	<0.500	<3.00	--	--	--	--	--	--	--	--	--
MW-6	9/20/2007	177.84	7.81	170.03	135	**915 a**	**829**	--	--	<0.500	1.43	<0.500	<3.00	--	--	--	--	--	--	--	--	--
MW-6	12/3/2007	177.84	5.96	171.88	<250	**498 e,f**	**441**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	1.13	--	--	--	--	--	--
MW-6	2/27/2008	177.84	6.31	171.53	<311	**976**	**866**	--	--	<0.500	0.820	0.590	<3.00	--	--	--	--	--	--	--	--	--
MW-6	7/22/2008	177.84	6.60	171.24	400	430	<100	--	--	<0.50	<1.0	<1.0	0.89	--	--	--	--	--	--	--	--	--
MW-6	10/2/2008	177.84	8.28	169.56	210	270	<100	--	--	<0.50	<1	<1	<1	--	--	1.9	--	--	--	--	--	--
MW-6	1/21/2009	177.84	5.79	172.05	130	300	<100	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-6	4/8/2009	177.84	6.15	171.69	250	160	170	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-6	7/22/2009	177.84	6.63	171.21	--	**410**	**120**	--	--	--	--	--	--	--	--	1.6	--	--	--	--	<1.00	--
MW-6	10/19/2009	177.84	6.71	171.13	230	120 h	<100	--	--	<0.5	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-6	1/6/2010	177.84	6.29	171.55	290	**450**	**150**	--	--	<0.5	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-6	4/23/2010	177.84	6.23	171.61	150	180	<100	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-6	7/2/2010	177.84	6.33	171.51	200 h	<100	<100	--	--	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	--	--
MW-6	10/6/2010	177.84	6.50	171.34	230 h	**450 h**	**340 h**	--	--	<0.50	<1.0	<1.0	1.2	--	--	--	--	--	--	--	--	--
MW-6	1/11/2011	177.84	6.25	171.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	5/5/2011	177.84	6.03	171.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/1/2011	177.84	6.69	171.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	11/4/2011	177.84	9.69	168.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/10/2012	176.43	6.40	170.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/8/2012	176.43	9.34	167.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/10/2013	176.43	6.05	170.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/3/2013	176.43	6.94	169.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	9/16/2013	176.43	6.60	169.83	165	**526 / 555**	**251 / 230**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-6	12/18/2013	176.43	6.32	170.11	208	**414 / 298**	**178 / 340**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-6	1/9/2014	176.43	6.50	169.93	194	**538 / 381**	**254 / <105**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-6	3/4/2014	176.43	6.25	170.18	<100	**463 / 482**	**207 / 231**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-6	6/11/2014	176.43	6.32	170.11	143	360 / 277	111 / 196	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-6	8/28/2014	176.43	7.79	168.64	103	**525**	**247**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-6	12/8/2014	176.43	6.16	170.27	160	288	94.2	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-6	3/17/2015	176.43	6.01	170.42	131	402	<93.5	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-6	6/8/2015	176.43	6.42	170.01	117	215	<94.3	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-6	8/27/2015	176.43	8.51	167.92	<100	**538**	**114**	--	--	<1.00	<1.00	<1.00	<3.00	<2.00	<1.00	1.10	<1.00	29.80	--	--	--	--
MW-6	12/22/2015	176.43	5.57	170.86	57.2 J	**371**	**298 J**	--	--	<0.0320	<0.0380	<0.0860	0.247 J	--	--	--	--	--	--	--	--	--
MW-6	3/22/2016	176.43	6.25	170.18	47.0 J	**451**	**102 J**	--	--	<0.0320	<0.0380	<0.0860	<0.0160	--	--	--	--	--	--	--	--	--
MW-6	6/1/2016	176.43	6.52	169.91	151	249	<60.5	--	--	2.09	1.07	<0.198	0.773 J	--	--	--	--	--	--	--	--	--
MW-6	9/23/2016	176.43	6.77	169.66	139	246	<60.7	--	--	<0.200	0.605 J	<0.190	1.03 J	<0.170	0.235 J	0.839 J	<0.170	416	--	--	--	--
MW-6	12/16/2016	176.43	5.76	170.67	27.0 J	248	60.6 J	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-6	3/7/2017	176.43	6.31	170.12	78.1 J	464	<126	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-6	6/9/2017	176.43	6.41	170.02	129 J	439	<133	--	--	**20.0**	8.77	<0.198	1.84 J	--	--	--	--	--	--	--	--	--
MW-6	9/7/2017	176.43	7.90	168.53	98.1 J	**679**	**145 J**	--	--	<0.200	0.855 J	<0.190	0.942 J	<0.170	3.13	1.67	<0.170	396	--	--	--	--
MW-6	12/27/2017	176.43	6.39	170.04	186	**513**	<126	--	--	**45.3**	5.95	<0.198	2.15 J	--	--	--	--	--	--	--	--	--
MW-6	6/12/2018	176.43	6.50	169.93	401	**665**	<121	--	--	**138**	4.72	0.429 J	16.7	<0.170	3.29	3.31	<0.170	791	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data
Former Shell-Branded Retail Service Station
1349 Northwest State Avenue
Chehalis, Washington

					Total Petroleum Hydrocarbons					Primary VOCs				Oxygenates							Lead	
Location ID	**Date**	**TOC**	**DTW**	**GWE**	**TPHg**	**TPHd**	**TPHo**	**TPHd w/SGC**	**TPHo w/SGC**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**DIPE**	**ETBE**	**MTBE**	**TAME**	**TBA**	**EDB**	**EDC**	**Total**	**Dissolved**
		MTCA Method A Cleanup Levels:			**800**	**500**			**500**	**5**	**1,000**	**700**	**1,000**	**NE**	**NE**	**20**	**NE**	**NE**	**0.01**	**5**	**15**	**15**
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L
MW-6	12/27/2018	176.43	Unable to access		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	6/25/2019	176.43	6.67	169.76	388	**755**	**127 J**	--	--	**141**	5.26	0.381 J	34.7	<0.170	1.09	1.36	<0.170	1,370	--	--	--	--
MW-6	12/10/2019	176.43	6.46	169.97	328	**1,290**	**190 J**	--	--	**79.8**	3.36	0.232 J	25.4	--	--	--	--	--	--	--	--	--
MW-6	6/19/2020	176.43	6.27	170.16	129 J	287	<113	--	--	**16.5 J**	1.98 J	<0.5	15 J	<0.35	<0.91	0.511 J	<0.58	688 J	--	--	--	--
MW-6	1/21/2021	176.43	6.21	170.22	<250	**1,430**	**702**	--	--	0.248	0.882	<0.200	3.36	--	--	<0.300	--	--	<0.0100	<0.200	--	<30.0
MW-6	7/14/2021	176.43	6.65	169.78	400	482	<113	--	--	**79.1**	9.88	0.253 J	20.9	--	--	0.761 J	--	--	<0.00250	<0.310	<5.10	<5.10
MW-6	10/11/2022	176.43	7.72	168.71	442	**594**	**154 J**	--	--	0.383 J	1.24	<0.198	5.53	--	--	1.00	--	--	<0.00250	<0.310	<5.10	<5.10
MW-6	9/20/2023	176.43	7.85	168.58	471	**1,900**	**600**	162	<357	0.365 J	0.904 J	<0.500	4.43	--	--	<0.440	--	--	<0.00204	<0.420	<0.200	3.20 J
MW-6	9/9/2024	176.43	6.70	169.73	384	**1,380**	**762**	--	--	0.458 J	0.862 J	<0.500	3.74	--	--	--	--	--	--	--	--	<0.200
MW-7	11/27/1995	179.95	7.78	172.17	210	<250	--	--	--	**7.7**	2.1	6	38	--	--	--	--	--	--	--	<5.0	--
MW-7	2/20/1997	179.95	8.00	171.95	**2,920**	**1,090**	ND	--	--	**347**	11.80	256	183	--	--	--	--	--	--	--	--	--
MW-7	5/20/1997	179.95	8.40	171.55	**2,680**	ND	ND	--	--	**272**	6.80	207	93.6	--	--	--	--	--	--	--	--	--
MW-7	7/31/1997	179.95	9.20	170.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/20/1997	179.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	11/17/1997	179.95	8.43	171.52	**2,830**	**1,170**	ND	--	--	**138**	5.82	178	158	--	--	--	--	--	--	--	--	--
MW-7	2/19/1998	179.95	8.00	171.95	**2,370**	ND	ND	--	--	**151**	7.75	169	86.4	--	--	--	--	--	--	--	--	--
MW-7	5/22/1998	179.95	8.87	171.08	**1,670**	**818**	ND	--	--	**122**	ND	135	55.4	--	--	--	--	--	--	--	--	--
MW-7	8/26/1998	179.95	10.01	169.94	**2,270**	**718**	ND	--	--	**77**	6.50	121	133	--	--	--	--	--	--	--	--	--
MW-7	11/30/1998	179.95	7.71	172.24	**2,420**	**874**	ND	--	--	**111**	6.41	199	155	--	--	--	--	--	--	--	--	--
MW-7	4/23/1999	179.95	8.46	171.49	**1,330**	--	--	--	--	**85.6**	3.02	134	17	--	--	--	--	--	--	--	--	--
MW-7	11/22/1999	179.95	9.64	170.31	214	--	--	--	--	1.11	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	--
MW-7	5/22/2000	179.95	9.17	170.78	332	--	--	--	--	2.01	1.93	8	1.07	--	--	--	--	--	--	--	--	--
MW-7	10/19/2000	179.95	10.81	169.14	242	--	--	--	--	2.91	3.03	<0.5	8.71	--	--	--	--	--	--	--	--	--
MW-7	5/9/2001	179.95	10.39	169.56	441	--	--	--	--	**6.52**	1.98	21	2.41	--	--	--	--	--	--	--	--	--
MW-7	10/23/2001	179.95	11.48	168.47	**811**	--	--	--	--	**33.3**	2.26	44.9	8.61	--	--	--	--	--	--	--	--	--
MW-7	8/20/2002	179.95	11.35	168.60	**1,000**	<250	<500	--	--	**17**	<1	37	27	--	--	--	--	--	--	--	--	--
MW-7	2/20/2003	179.95	9.05	170.90	650	<250	<500	--	--	**29**	<1	<1	<1	--	--	3.8	--	--	--	--	--	--
MW-7	7/21/2003	179.95	11.02	168.93	470	<250	<500	--	--	5	<1	11	9	--	--	18	--	--	--	--	--	--
MW-7	2/17/2004	179.95	9.32	170.63	430	**500**	<500	--	--	1.8	<1	2	2.2	--	--	16	--	--	--	--	--	--
MW-7	8/12/2004	179.95	11.24	168.71	350	**600**	<500	--	--	<1	<1	3.6	3.1	--	--	13	--	--	--	--	--	--
MW-7	2/8/2005	179.95	9.14	170.81	360	<250	<500	--	--	3.8	<1	<1	2	--	--	6	--	--	--	--	--	--
MW-7	8/30/2005	179.95	10.72	169.23	390	<250	<500	--	--	<1	<1	<1	4.4	--	--	--	--	--	--	--	--	--
MW-7	2/9/2006	179.95	7.33	172.62	361	236	<472	--	--	4.69	0.785	2.8	11.9	--	--	--	--	--	--	--	--	--
MW-7	11/7/2006	179.95	10.36	169.59	447	**428**	**290**	--	--	1.27	<0.500	<0.500	4.10	--	--	8.49	--	--	--	--	--	--
MW-7	3/20/2007	179.95	8.55	171.40	425	**716 a**	**612**	--	--	<0.500	<0.500	0.780	<3.00	--	--	--	--	--	--	--	--	--
MW-7	6/18/2007	179.95	10.17	169.78	315	364 d	<500	--	--	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--
MW-7	9/20/2007	179.95	11.44	168.51	301	**1,020 a**	**1,060**	--	--	<0.500	<0.500	0.640	8.51	--	--	--	--	--	--	--	--	--
MW-7	12/3/2007	179.95	9.11	170.84	295	**514 e,f**	**481**	--	--	<1.00	<1.00	<1.00	4.15	--	--	5.86	--	--	--	--	--	--
MW-7	2/27/2008	179.95	9.09	170.86	266	**760**	**758**	--	--	0.600	<0.50	1.58	3	--	--	--	--	--	--	--	--	--
MW-7	7/22/2008	179.95	10.04	169.91	330	260	<100	--	--	<0.50	0.29	4.5	1.4	--	--	--	--	--	--	--	--	--
MW-7	10/2/2008	179.95	10.85	169.10	280	230	<100	--	--	<0.50	<1	<1	<1	--	--	5.9	--	--	--	--	--	--
MW-7	1/21/2009	179.95	7.75	172.20	<100	230	140	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-7	4/8/2009	179.95	8.50	171.45	<100	<100	<100	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-7	7/22/2009	179.95	10.10	169.85	--	--	--	--	--	--	--	--	--	--	--	6.3	--	--	--	--	<1.00	--
MW-7	10/19/2009	179.95	10.73	169.22	130	<100	<100	--	--	<0.5	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-7	1/6/2010	179.95	8.83	171.12	<100	300	140	--	--	0.75	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-7	4/23/2010	179.95	8.55	171.40	<100	120	<100	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-7	7/2/2010	179.95	8.90	171.05	<100	<100	<100	--	--	<0.50	<1.0	<1.0	<1.0	--	--	3.6	--	--	--	--	--	--
MW-7	10/6/2010	179.95	9.94	170.01	<100	**280 h**	**220 h**	--	--	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-7	1/11/2011	179.95	8.69	171.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	5/5/2011	179.95	8.60	171.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/1/2011	179.95	9.73	170.22	<100	<98.0	<245	--	--	<1.00	<1.00	<1.00	<3.00	--	--	3.05	--	--	--	--	--	--
MW-7	11/4/2011	179.95	9.83	170.12	<100	114	<240	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-7	1/10/2012	178.50	8.64	169.86	<100	<96.2	266	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-7	8/8/2012	178.50	9.67	168.83	<100	141	162	--	--	<1.00	<1.00	<1.00	<3.00	--	--	3.64	--	--	--	--	--	--
MW-7	1/10/2013	178.50	8.00	170.50	<100	103	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-7	4/3/2013	178.50	8.36	170.14	<100	108	127	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-7	9/16/2013	178.50	9.55	168.95	<100	**409 / 408**	**427 / 424**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	2.00	--	--	--	--	--	--
MW-7	12/18/2013	178.50	8.68	169.82	<100	**222 / 338**	**459 / 288**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-7	1/9/2014	178.50	8.60	169.90	<100	**487 / 243**	**501 / 198**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-7	3/4/2014	178.50	8.53	169.97	<100	**320 / 307**	**211 / 167**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-7	6/11/2014	178.50	8.71	169.79	<100	**277 / 285**	**440 / 122**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-7	8/28/2014	178.50	10.13	168.37	<100	337	99.8	--	--	<1.00	<1.00	<1.00	<2.00	--	--	2.01	--	--	--	--	--	--
MW-7	12/8/2014	178.50	8.47	170.03	<100	**275**	**226**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-7	3/17/2015	178.50	8.34	170.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/8/2015	178.50	8.51	169.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/27/2015	178.50	10.62	167.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/22/2015	178.50	7.18	171.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/22/2016	178.50	7.75	170.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/1/2016	178.50	9.32	169.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	9/23/2016	178.50	9.49	169.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/16/2016	178.50	8.22	170.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/7/2017	178.50	7.79	170.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/9/2017	178.50	8.55	169.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	9/7/2017	178.50	Unable to access		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/27/2017	178.50	8.54	169.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data
Former Shell-Branded Retail Service Station
1349 Northwest State Avenue
Chehalis, Washington

					Total Petroleum Hydrocarbons					Primary VOCs				Oxygenates							Lead	
Location ID	**Date**	**TOC**	**DTW**	**GWE**	**TPHg**	**TPHd**	**TPHo**	**TPHd w/SGC**	**TPHo w/SGC**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**DIPE**	**ETBE**	**MTBE**	**TAME**	**TBA**	**EDB**	**EDC**	**Total**	**Dissolved**
		MTCA Method A Cleanup Levels:			**800**	**500**			**500**	**5**	**1,000**	**700**	**1,000**	**NE**	**NE**	**20**	**NE**	**NE**	**0.01**	**5**	**15**	**15**
					µg/L	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**ug/L**
MW-7	6/12/2018	178.50	Unable to access		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/27/2018	178.50	8.12	170.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/25/2019	178.50	9.48	169.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/10/2019	178.50	9.40	169.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/19/2020	178.50	8.82	169.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/21/2021	178.50	7.52	170.98	**1,900**	**2,570**	**770**	--	--	**47.2**	30.9	0.200	**1,050**	--	--	5.74	--	--	<0.0101	<0.200	--	<30.0
MW-7	7/14/2021	178.50	9.47	169.03	**1,430**	**1,030**	<117	--	--	**26.0**	9.25	27.0	171 J	--	--	5.14	--	--	<0.00250	<0.310	<5.10	<5.10
MW-7 Dup	7/14/2021	178.50	9.47	169.03	**1,310**	387	<115	--	--	**24.0**	8.69	25.9	177	--	--	4.83	--	--	0.00277 J	<0.310	<5.10	<5.10
MW-7	10/11/2022	178.50	10.38	168.12	**1,670**	**911**	**176 J**	--	--	**6.10**	1.38	11.5	32.0	--	--	5.05	--	--	<0.00250	<0.310	<5.10	<5.10
MW-7	9/20/2023	178.50	10.93	167.57	**1,370**	**2,140**	**1,620**	363	**856**	2.88	1.13	4.68	4.19	--	--	<0.440	--	--	<0.00198	<0.420	3.60	3.30 J
MW-7	9/9/2024	178.50	9.99	168.51	**1,140**	**2,480**	**1,010**	--	--	2.60	0.746 J	3.97	2.19	--	--	--	--	--	--	--	--	<0.200
MW-8	7/31/1997	180.28	6.92	173.36	77	**554**	--	--	--	2.51	2.4	1.2	4.18	--	--	--	--	--	--	--	2.7	--
MW-8	8/20/1997	180.28	7.00	173.28	ND	**513**	ND	--	--	2.76	1.75	ND	2.24	--	--	--	--	--	--	--	--	--
MW-8	11/17/1997	180.28	7.24	173.04	61	**650**	ND	--	--	4.37	1.68	0.53	3.56	--	--	--	--	--	--	--	--	--
MW-8	2/19/1998	180.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	5/22/1998	180.28	7.32	172.96	58.3	**844**	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-8	8/26/1998	180.28	8.95	171.33	ND	311	ND	--	--	ND	ND	ND	1.35	--	--	--	--	--	--	--	--	--
MW-8	11/30/1998	180.28	6.29	173.99	ND	402	ND	--	--	0.627	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-8	4/23/1999	180.28	5.02	175.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	11/22/1999	180.28	6.69	173.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	5/22/2000	180.28	7.08	173.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	10/19/2000	180.28	7.91	172.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	5/9/2001	180.28	7.46	172.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	10/23/2001	180.28	7.91	172.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	7/22/2009	180.28	8.25	172.03	<100	320	120	--	--	<0.5	<1.0	<1.0	<1.0	--	--	2.8	--	--	--	--	<1.00	--
MW-8	10/19/2009	180.28	7.98	172.30	<100	<100	<100	--	--	<0.5	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
MW-8	1/6/2010	180.28	6.69	173.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	4/23/2010	180.28	7.00	173.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	7/2/2010	180.28	7.00	173.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	10/6/2010	180.28	7.43	172.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	1/11/2011	180.28	6.70	173.58	<100	**832**	**655**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-8	5/5/2011	180.28	6.84	173.44	<100	**544**	**304**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-8	8/1/2011	180.28	7.67	172.61	<100	**654**	<240	--	--	<1.00	<1.00	<1.00	<3.00	--	--	1.18	--	--	--	--	--	--
MW-8	11/4/2011	180.28	7.46	172.82	<100	**1,160**	**848**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-8	1/10/2012	178.69	7.05	171.64	<100	**837**	**734**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-8	8/8/2012	178.69	8.06	170.63	<100	**1,050**	**680**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	1.24	--	--	--	--	--	--
MW-8	1/10/2013	178.69	6.40	172.29	<100	**485**	**162**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-8	4/3/2013	178.69	6.91	171.78	<100	**976**	**517**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-8	9/16/2013	178.69	7.10	171.59	<100	**979 / 875**	**850 / 740**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-8	12/18/2013	178.69	7.20	171.49	<100	**698 / 844**	**504 / 807**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-8	1/9/2014	178.69	6.51	172.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	3/4/2014	178.69	6.47	172.22	<100	**588 / 614**	**310 / 376**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-8	6/11/2014	178.69	7.42	171.27	<100	**820 / 741**	**360 / 1420**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-8	8/28/2014	178.69	8.41	170.28	<100	**1,080**	**615**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-8	12/8/2014	178.69	6.85	171.84	<100	**664**	**428**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-8	3/17/2015	178.69	6.70	171.99	<100	**540**	**109**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-8	6/8/2015	178.69	7.41	171.28	<100	**519**	**151**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-8	8/27/2015	178.69	8.46	170.23	<100	**671**	**203**	--	--	<1.00	<1.00	<1.00	<3.00	<2.00	<1.00	<1.00	<1.00	<10.0	--	--	--	--
MW-8	12/22/2015	178.69	6.03	172.66	<52.0	265	<294	--	--	<0.0320	<0.0380	<0.0860	<0.0160	--	--	--	--	--	--	--	--	--
MW-8	3/22/2016	178.69	6.59	172.10	<17.8	288	108 J	--	--	<0.0320	<0.0380	<0.0860	<0.0160	--	--	--	--	--	--	--	--	--
MW-8	6/1/2016	178.69	7.70	170.99	24.9 J	**373**	**131 J**	--	--	<0.0930	<0.312	<0.198	<0.162	--	--	--	--	--	--	--	--	--
MW-8	9/23/2016	178.69	7.79	170.90	<17.8	**413**	**114 J**	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	0.395 J	<0.170	31.6	--	--	--	--
MW-8	12/16/2016	178.69	6.59	172.10	30.6 J	298	99.4 J	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-8	3/7/2017	178.69	6.60	172.09	<70.4	**363**	**146 J**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-8	6/9/2017	178.69	7.14	171.55	<70.4	**490**	**153 J**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-8	9/7/2017	178.69	8.56	170.13	129 J	**624**	**254 J**	--	--	**5.12**	6.73	0.554 J	<0.580	<0.170	<0.210	0.454 J	<0.170	4.70 J	--	--	--	--
MW-8	12/27/2017	178.69	6.94	171.75	726	**724**	**131 J**	--	--	**65.3**	198	9.03 J	47.6	--	--	--	--	--	--	--	--	--
MW-8	6/12/2018	178.69	7.58	171.11	333	**474**	**158 J**	--	--	**33.0**	8.05	12.2	74.6	<0.170	<0.210	0.784 J	<0.170	46.7	--	--	--	--
MW-8	12/27/2018	178.69	6.86	171.83	737	**1,280**	**1,020**	--	--	**42.2**	15.0	27.7	187	--	--	--	--	--	--	--	--	--
MW-8	6/25/2019	178.69	7.62	171.07	326 J	**559**	**181 J**	--	--	**9.65 J**	6.08 J	8.90 J	113 J	<0.170 J	<0.210 J	0.606 J	<0.170 J	<3.90 J	--	--	--	--
MW-8	12/10/2019	178.69	7.41	171.28	696	**825**	**302 J**	--	--	**18.0**	4.42	2.31	267	--	--	--	--	--	--	--	--	--
MW-8	6/19/2020	178.69	7.30	171.39	729	338	136 J	--	--	**52.8**	8.18 J	7.09 J	259 J	<3.5	<9.1	<4.4	<5.8	723 J	--	--	--	--
MW-8	1/21/2021	178.69	6.92	171.77	474	**1,110**	**784**	--	--	**137**	16.4	4.62	75.9	--	--	<0.300	--	--	<0.0106	<0.200	--	<30.0
MW-8	7/14/2021	178.69	7.40	171.29	**914**	241	150 J	--	--	**97.3**	11.4	2.51	91.9	--	--	0.412 J	--	--	<0.00250	<0.310	<5.10	<5.10
MW-8	10/11/2022	178.69	8.27	170.42	390	347	140 J	--	--	0.750	0.536 J	<0.198	9.80	--	--	0.712 J	--	--	<0.00250	<0.310	<5.10	<5.10
MW-8	9/20/2023	178.69	8.58	170.11	113	**1,280**	**1,300**	<115	<365	<0.240	<0.390	<0.500	2.87	--	--	<0.440	--	--	<0.00202	<0.420	<0.200	3.30 J
MW-8	9/9/2024	178.69	19.83	158.86	101 J	**1,440**	**1,590**	--	--	<0.240	<0.390	<0.500	1.14 J	--	--	--	--	--	--	--	--	<0.200
MW-9	8/8/2012	177.83	10.35	167.48	208	**970**	**263**	--	--	<1.00	<1.00	1.46	11.1	--	--	5.28	--	--	--	--	--	--
MW-9	1/10/2013	177.83	5.83	172.00	151	**1,010**	**121**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-9	4/3/2013	177.83	5.91	171.92	<100	**894**	**317**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-9	9/16/2013	177.83	8.01	169.82	<100	**1,040 / 1150**	**776 / 917**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	4.06	--	--	--	--	--	--
MW-9	12/18/2013	177.83	6.05	171.78	<100	**894 / 748**	**736 / 939**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-9	1/9/2014	177.83	6.25	171.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/4/2014	177.83	6.01	171.82	<100	**1,100 / 1080**	**643 / 399**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-9	6/11/2014	177.83	6.17	171.66	<100	**879 / 881**	**1,240 / 272**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data
Former Shell-Branded Retail Service Station
1349 Northwest State Avenue
Chehalis, Washington

					Total Petroleum Hydrocarbons					Primary VOCs				Oxygenates							Lead	
Location ID	**Date**	**TOC**	**DTW**	**GWE**	**TPHg**	**TPHd**	**TPHo**	**TPHd w/SGC**	**TPHo w/SGC**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**DIPE**	**ETBE**	**MTBE**	**TAME**	**TBA**	**EDB**	**EDC**	**Total**	**Dissolved**
		MTCA Method A Cleanup Levels:			**800**	**500**			**500**	**5**	**1,000**	**700**	**1,000**	**NE**	**NE**	**20**	**NE**	**NE**	**0.01**	**5**	**15**	**15**
					µg/L	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**ug/L**
MW-9	8/28/2014	177.83	7.11	170.72	<100	**1,100**	**438**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	4.83	--	--	--	--	--	--
MW-9	12/8/2014	177.83	6.05	171.78	<100	**688**	**206**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-9	3/17/2015	177.83	6.55	171.28	<100	**746**	**141**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-9	6/8/2015	177.83	6.28	171.55	<100	**900**	**217**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-9	8/27/2015	177.83	6.91	170.92	<100	**691**	**185**	--	--	<1.00	<1.00	<1.00	<3.00	<2.00	<1.00	3.56	<1.00	12.50	--	--	--	--
MW-9	12/22/2015	177.83	5.64	172.19	<52.0	**667**	<285	--	--	<0.0320	<0.0380	<0.0860	<0.0160	--	--	--	--	--	--	--	--	--
MW-9	3/22/2016	177.83	5.78	172.05	18.4 J	**713**	**201 J**	--	--	<0.0320	<0.0380	<0.0860	<0.0160	--	--	--	--	--	--	--	--	--
MW-9	6/1/2016	177.83	6.41	171.42	23.8 J	**457**	**144 J**	--	--	<0.0930	<0.312	<0.198	<0.162	--	--	--	--	--	--	--	--	--
MW-9	9/23/2016	177.83	6.09	171.74	<17.8	**481**	**125 J**	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	3.73	<0.170	14.1	--	--	--	--
MW-9	12/16/2016	177.83	5.01	172.82	<17.8	212	83.8 J	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-9	3/7/2017	177.83	5.45	172.38	<70.4	242 J	<123	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-9	6/9/2017	177.83	6.03	171.80	<70.4	343	<122	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-9	9/7/2017	177.83	6.94	170.89	<70.4	**519**	**198 J**	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	3.06	<0.170	5.66 J	--	--	--	--
MW-9	12/27/2017	177.83	5.84	171.99	<70.4	294	<121	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-9	6/12/2018	177.83	6.30	171.53	<70.4	255	<119	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	1.12	<0.170	6.98 J	--	--	--	--
MW-9	12/27/2018	177.83	5.41	172.42	<70.4	**371**	**481**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-9	6/25/2019	177.83	6.41	171.42	<70.4 J	284	<122	--	--	<0.200 J	<0.170 J	<0.190 J	<0.580 J	<0.170 J	<0.210 J	1.79 J	<0.170 J	<3.90 J	--	--	--	--
MW-9	12/10/2019	177.83	6.30	171.53	<70.4	**353**	**187 J**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-9	6/19/2020	177.83	5.80	172.03	<70.4	168 J	<125	--	--	<0.24	<0.39	<0.5	<0.39	<0.35	<0.91	<0.44	<0.58	<9.79 J	--	--	--	--
MW-9	1/21/2021	177.83	5.83	172.00	<250	**661**	**760**	--	--	**15.1**	6.40	<0.200	<0.500	--	--	1.07	--	--	<0.0100	<0.200	--	<30.0
MW-9	7/14/2021	177.83	6.29	171.54	218	137 J	<120	--	--	4.05	1.53	<0.198	<0.442	--	--	1.51	--	--	<0.00250	<0.310	<5.10	<5.10
MW-9	10/11/2022	177.83	6.74	171.09	442	**1,010**	**8,950**	--	--	1.56	0.396 J	0.472 J	3.03	--	--	2.31	--	--	<0.00250	<0.310	<5.10	<5.10
MW-9	9/20/2023	177.83	6.91	170.92	66.8	**630**	**687**	<114	<363	0.260 J	0.501 J	<0.500	2.81	--	--	<0.440	--	--	<0.00201	<0.420	<0.200	3.70 J
MW-9	9/9/2024	177.83	6.54	171.29	<73.0	**850**	**1,070**	--	--	<0.240	0.679 J	<0.500	4.16	--	--	--	--	--	--	--	--	<0.200
MW-10	9/12/2013	179.34	7.58	171.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	9/16/2013	179.34	8.50	170.84	<100	**469 / 804**	**418 / 810**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-10	12/18/2013	179.34	7.72	171.62	<100	**1,100 / 1,220**	**1,600 / 1,600**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-10	1/9/2014	179.34	8.04	171.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	3/4/2014	179.34	7.21	172.13	<100	**862 / 997**	**999 / 1,200**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-10	6/11/2014	179.34	7.64	171.70	<100	**1,530 / 1,110**	**698 / 1,540**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-10	8/28/2014	179.34	8.61	170.73	<100	**909**	**714**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-10	12/8/2014	179.34	7.41	171.93	<100	**930**	**730**	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-10	3/17/2015	179.34	7.88	171.46	<100	--	--	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-10	6/8/2015	179.34	7.82	171.52	<100	**667**	**329**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-10	8/27/2015	179.34	8.70	170.64	<100	166	103	--	--	<1.00	<1.00	<1.00	<3.00	<2.00	<1.00	<1.00	<1.00	<10.0	--	--	--	--
MW-10	12/22/2015	179.34	6.82	172.52	<52.0	**672**	**400 J**	--	--	<0.0320	<0.0380	<0.0860	<0.0160	--	--	--	--	--	--	--	--	--
MW-10	3/22/2016	179.34	7.11	172.23	<17.8	**297**	**345**	--	--	<0.0320	<0.0380	<0.0860	<0.0160	--	--	--	--	--	--	--	--	--
MW-10	6/1/2016	179.34	7.99	171.35	24.0 J	**310**	**247**	--	--	<0.0930	<0.312	<0.198	<0.162	--	--	--	--	--	--	--	--	--
MW-10	9/23/2016	179.34	8.21	171.13	<17.8	**328**	**176 J**	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-10	12/16/2016	179.34	6.87	172.47	<17.8	**426**	**364**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-10	3/7/2017	179.34	7.32	172.02	<70.4	**559**	**338 J**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-10	6/9/2017	179.34	7.55	171.79	<70.4	**624**	**378 J**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-10	9/7/2017	179.34	8.59	170.75	<70.4	**712**	**377 J**	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-10	12/27/2017	179.34	7.92	171.42	<70.4	**490**	**264 J**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-10	6/12/2018	179.34	8.03	171.31	<70.4	**342**	**191 J**	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-10	12/27/2018	179.34	7.29	172.05	<70.4	**1,100**	**1,800**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-10	6/25/2019	179.34	7.92	171.42	<70.4 J	**467**	**287 J**	--	--	<0.200 J	<0.170 J	<0.190 J	<0.580 J	<0.170 J	<0.210 J	<0.170 J	<0.170 J	<3.90 J	--	--	--	--
MW-10	12/10/2019	179.34	7.87	171.47	<70.4	**348**	**925**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-10	6/19/2020	179.34	6.81	172.53	<70.4	**330**	**270 J**	--	--	<0.24	<0.39	<0.5	<0.39	<0.35	<0.91	<0.44	<0.58	<9.79 J	--	--	--	--
MW-10	1/21/2021	179.34	7.36	171.98	<250	**1,380**	**1,990**	--	--	<0.200	<0.200	<0.200	<0.500	--	--	<0.300	--	--	<0.0102	<0.200	--	<30.0
MW-10	7/14/2021	179.34	7.69	171.65	<70.4	**391**	**783**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	<0.160	--	--	<0.00250	<0.310	7.70 J	<5.10
MW-10	10/11/2022	179.34	8.52	170.82	42.4 J	**487**	**2,060**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	<0.160	--	--	<0.00250	<0.310	<5.10	<5.10
MW-10	9/20/2023	179.34	9.00	170.34	20.7 J	**1,050**	**1,600**	<117	<372	<0.240	<0.390	<0.500	0.573 J	--	--	<0.440	--	--	<0.00209	<0.420	4.54	10.5 J
MW-10	9/9/2024	179.34	8.04	171.30	73.2 J	**1,550**	**1,950**	--	--	3.21	0.638 J	<0.500	0.561 J	--	--	--	--	--	--	--	--	1.46 J
MW-11	9/12/2013	177.70	5.33	172.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	9/16/2013	177.70	5.10	172.60	**2,910**	**1,110 / 844**	**1,120 / 693**	--	--	<1.00	<1.00	1.05	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-11	12/18/2013	177.70	5.76	171.94	<100	<94.3 / <94.3	**512 / 543**	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-11	1/9/2014	177.70	5.81	171.89	<100	<100 / 165	<100 / 154	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-11	3/4/2014	177.70	5.38	172.32	187	<93.5 / <93.5	<93.5 / <93.5	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-11	6/11/2014	177.70	5.98	171.72	<100	<93.9 / <93.9	<93.9 / <93.9	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-11	8/28/2014	177.70	6.61	171.09	104	156	338	--	--	<1.00	<1.00	<1.00	<2.00	--	--	<1.00	--	--	--	--	--	--
MW-11	12/8/2014	177.70	5.52	172.18	<100	<93.9	222	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-11	3/17/2015	177.70	4.92	172.78	<100	--	--	--	--	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-11	6/8/2015	177.70	6.01	171.69	<100	--	--	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--
MW-11	8/27/2015	177.70	6.42	171.28	<100	--	--	--	--	<1.00	<1.00	<1.00	<3.00	<2.00	<1.00	<1.00	<1.00	<10.0	--	--	--	--
MW-11	12/22/2015	177.70	4.70	173.00	<52.0	--	--	--	--	<0.0320	<0.0380	<0.0860	<0.0160	--	--	--	--	--	--	--	--	--
MW-11	3/22/2016	177.70	5.03	172.67	<17.8	--	--	--	--	<0.0320	<0.0380	<0.0860	<0.0160	--	--	--	--	--	--	--	--	--
MW-11	6/1/2016	177.70	6.24	171.46	<17.8	--	--	--	--	<0.0930	<0.312	<0.198	<0.162	--	--	--	--	--	--	--	--	--
MW-11	9/23/2016	177.70	5.31	172.39	<17.8	--	--	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-11	12/16/2016	177.70	5.05	172.65	<17.8	--	--	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-11	3/7/2017	177.70	4.90	172.80	<70.4	--	--	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-11	6/9/2017	177.70	5.81	171.89	<70.4	--	--	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-11	9/7/2017	177.70	6.71	170.99	73.2 J	--	--	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-11	12/27/2017	177.70	5.51	172.19	<70.4	--	--	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-11	6/12/2018	177.70	6.31	171.39	<70.4	<104	<114	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data
Former Shell-Branded Retail Service Station
1349 Northwest State Avenue
Chehalis, Washington

					Total Petroleum Hydrocarbons					Primary VOCs				Oxygenates							Lead	
Location ID	**Date**	**TOC**	**DTW**	**GWE**	**TPHg**	**TPHd**	**TPHo**	**TPHd w/SGC**	**TPHo w/SGC**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**DIPE**	**ETBE**	**MTBE**	**TAME**	**TBA**	**EDB**	**EDC**	**Total**	**Dissolved**
		MTCA Method A Cleanup Levels:			**800**	**500**			**500**	**5**	**1,000**	**700**	**1,000**	**NE**	**NE**	**20**	**NE**	**NE**	**0.01**	**5**	**15**	**15**
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L
MW-11	12/27/2018	177.70	5.43	172.27	<70.4	--	--	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-11	6/25/2019	177.70	6.46	171.24	<70.4	--	--	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-11	12/10/2019	177.70	6.10	171.60	<70.4	--	--	--	--	0.197 J	1.85	0.627 J	4.70	--	--	--	--	--	--	--	--	--
MW-11	6/19/2020	177.70	5.43	172.27	445	--	--	--	--	**17.9 J**	1.82 J	<0.5	<0.39	<0.35	<0.91	<0.44	<0.58	67.7 J	--	--	--	--
MW-11	1/21/2021	177.70	5.61	172.09	<250	140	<329	--	--	1.34	<0.200	<0.200	<0.500	<2.00	<0.500	<0.300	<0.500	<25.0	<0.00997	<0.200	--	<30.0
MW-11	7/14/2021	177.70	6.23	171.47	623	<111	<121	--	--	**68.2**	0.436 J	8.85	7.47	--	--	<0.160	--	--	<0.00250	<0.310	<5.10	<5.10
MW-11	10/11/2022	177.70	6.97	170.73	306	116 J	<111	--	--	3.85	<0.312	0.378 J	1.37 J	--	--	<0.160	--	--	<0.00250	<0.310	<5.10	<5.10
MW-11	9/20/2023	177.70	6.97	170.73	101	**612**	**993**	<121	<383	0.285 J	<0.390	<0.500	<0.530	--	--	<0.440	--	--	<0.00203	<0.420	<0.200	<2.70
MW-11	9/9/2024	177.70	6.61	171.09	<73.0	**535**	**842**	--	--	2.71	<0.390	<0.500	<0.530	--	--	--	--	--	--	--	--	<0.200
MW-12	12/27/2017	174.36	4.59	169.77	<70.4	178 J	<130	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-12	6/12/2018	174.36	5.37	168.99	<70.4	185 J	<121	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-12	12/27/2018	174.36	5.80	168.56	<70.4	**777**	**876**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-12	6/25/2019	174.36	6.45	167.91	<70.4 J	200 J	<120	--	--	<0.200 J	<0.170 J	<0.190 J	<0.580 J	<0.170 J	<0.210 J	<0.170 J	<0.170 J	<3.90 J	--	--	--	--
MW-12	12/10/2019	174.36	6.20	168.16	<70.4	159 J	<117	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-12	6/19/2020	174.36	8.72	165.64	<70.4	227	<111	--	--	<0.24	<0.39	<0.5	<0.39	<0.35	<0.91	<0.44	<0.58	<9.79 J	--	--	--	--
MW-12	1/21/2021	174.36	4.50	169.86	<250	**668**	**995**	--	--	<0.200	<0.200	<0.200	<0.500	--	--	<0.300	--	--	<0.00997	<0.200	--	<30.0
MW-12	7/14/2021	174.36	5.89	168.47	<70.4	152 J	<113	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	<0.160	--	--	<0.00250	<0.310	<5.10	<5.10
MW-12	10/11/2022	174.36	6.08	168.28	36.1 J	263	<113	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	<0.160	--	--	<0.00250	<0.310	<5.10	<5.10
MW-12	9/20/2023	174.36	7.42	166.94	<14.0	**745**	**871**	<113	<360	<0.240	<0.390	<0.500	<0.530	--	--	<0.440	--	--	<0.00201	<0.420	<0.200	<2.70
MW-12	9/9/2024	174.36	6.31	168.05	<73.0	**906**	**1,130**	--	--	<0.240	<0.390	<0.500	<0.530	--	--	--	--	--	--	--	--	<0.200
																			--	--		
MW-13	12/27/2017	174.57	4.03	170.54	<70.4	**461**	**203 J**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-13	6/12/2018	174.57	4.96	169.61	<70.4	287	141 J	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-13	12/27/2018	174.57	3.71	170.86	<70.4	**1,000**	**1,160**	--	--	0.206 J	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-13	6/25/2019	174.57	6.59	167.98	<70.4	274	141 J	--	--	<0.200	<0.170	<0.190	<0.580	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-13	12/10/2019	174.57	4.11	170.46	<70.4	**333**	**188 J**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	--	--	--	--	--	--	--
MW-13	6/19/2020	174.57	6.97	167.60	<70.4	239 J	126 J	--	--	<0.24	<0.39	<0.5	<0.39	<0.35	<0.91	<0.44	<0.58	<9.79 J	--	--	--	--
MW-13	1/21/2021	174.57	3.10	171.47	<250	**682**	**1,220**	--	--	0.785	<0.200	<0.200	<0.500	--	--	<0.300	--	--	<0.0100	<0.200	--	<30.0
MW-13	7/14/2021	174.57	6.63	167.94	<70.4	169 J	111 J	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	<0.160	--	--	<0.00250	<0.310	<5.10	<5.10
MW-13	10/11/2022	174.57	6.84	167.73	34.1 J	**440**	**2,080**	--	--	<0.0930	<0.312	<0.198	<0.442	--	--	<0.160	--	--	<0.00250	<0.310	<5.10	<5.10
MW-13	9/20/2023	174.57	8.35	166.22	<14.0	**670**	**823**	<114	<363	<0.240	<0.390	<0.500	<0.530	--	--	<0.440	--	--	<0.00202	<0.420	<0.200	3.00 J
MW-13	9/9/2024	174.57	7.50	167.07	<73.0	**735**	**923**	--	--	<0.240	<0.390	<0.500	<0.530	--	--	--	--	--	--	--	--	<0.200
MW-14	12/27/2017	178.01	5.94	172.07	151	**384**	**129 J**	--	--	**14.1**	11.3	2.60	3.98	--	--	--	--	--	--	--	--	--
MW-14	6/12/2018	178.01	6.02	171.99	<70.4	240	130 J	--	--	0.860 J	<0.170	<0.190	2.59 J	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-14	12/27/2018	178.01	5.92	172.09	419	**610**	**634**	--	--	**27.2**	9.77	21.2	96.6	--	--	--	--	--	--	--	--	--
MW-14	6/25/2019	178.01	6.14	171.87	85.6 J	218 J	<114	--	--	0.234 J	1.05	0.357 J	17.6	<0.170	<0.210	<0.170	<0.170	<3.90	--	--	--	--
MW-14	12/10/2019	178.01	5.93	172.08	90.6 J	238	130 J	--	--	1.53	1.03	<0.198	13.8	--	--	--	--	--	--	--	--	--
MW-14	6/19/2020	178.01	6.17	171.84	338	166 J	<111	--	--	**72**	22.1	<0.5	7.51	<0.35	<0.91	<0.44	<0.58	14.7 J	--	--	--	--
MW-14	1/21/2021	178.01	5.79	172.22	<250	**473**	**700**	--	--	<0.200	<0.200	<0.200	<0.500	<2.00	<0.500	<0.300	<0.500	<25.0	<0.0102	<0.200	--	<30.0
MW-14	7/14/2021	178.01	6.13	171.88	141 J	<111	<121	--	--	4.54	1.11	0.884 J	6.93	--	--	<0.160	--	--	<0.00250	<0.310	<5.10	<5.10
MW-14	10/11/2022	178.01	Unable to access		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	9/20/2023	178.01	Unable to access		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	9/9/2024	178.01	Unable to locate		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

Bold values exceed Department of Ecology Model Toxics Control Act (MTCA) Method A Cleanup Level, per Cleanup Level and Risk Calculation (CLARC).

VOCs = Volatile Organic Compounds: benzene, toluene, ethylbenzene, total xylenes (BTEX) analyzed by EPA Method 8260D
Lead (total/dissolved) analyzed by EPA Method 6020
TOC = Top of Casing in feet above mean sea level.
DTW = Depth to Water in feet below top of well casing
GWE = Groundwater Elevation in feet above mean sea level.
TPHg = Total petroleum hydrocarbons as gasoline analyzed by Northwest Method NWTPH-Gx.
TPHd = Total petroleum hydrocarbons as diesel analyzed by Northwest Method NWTPH-Dx.
TPHo = Total petroleum hydrocarbons as oil analyzed by Northwest Method NWTPH-Dx.
TPHd w/SGC = TPHd analyzed by Northwest Method NWTPH-Dx with silica gel cleanup.
TPHo w/SGC = TPHo analyzed by Northwest Method NWTPH-Dx with silica gel cleanup.
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butanol analyzed by EPA Method 8260B
EDB = 1,2-Dibromoethane analyzed by EPA Method 8011
EDC = 1,2-Dichloroethane analyzed by EPA Method 8260B
MTCA = Washington State Department of Ecology Model Toxics Control Act
NE = MTCA Method A cleanup level is not established.
µg/L = micrograms per liter
<x = Not detected at laboratory reporting limit x
-- = Not analyzed
ND = Non detect, laboratory reporting limit not available.
J = Result is less than the reporting limit, but greater than or equal to the method detection limit, and the concentration is an approximate value.
Dup = Duplicate

* indicates the samples were additionally analyzed for carcinogenic polycyclic aromatic hydrocarbons (cPAHs) analyzed by EPA Method 8270C-SIM and for Polychlorinated biphenyls (PCBs) analyzed by EPA Method

Table 1

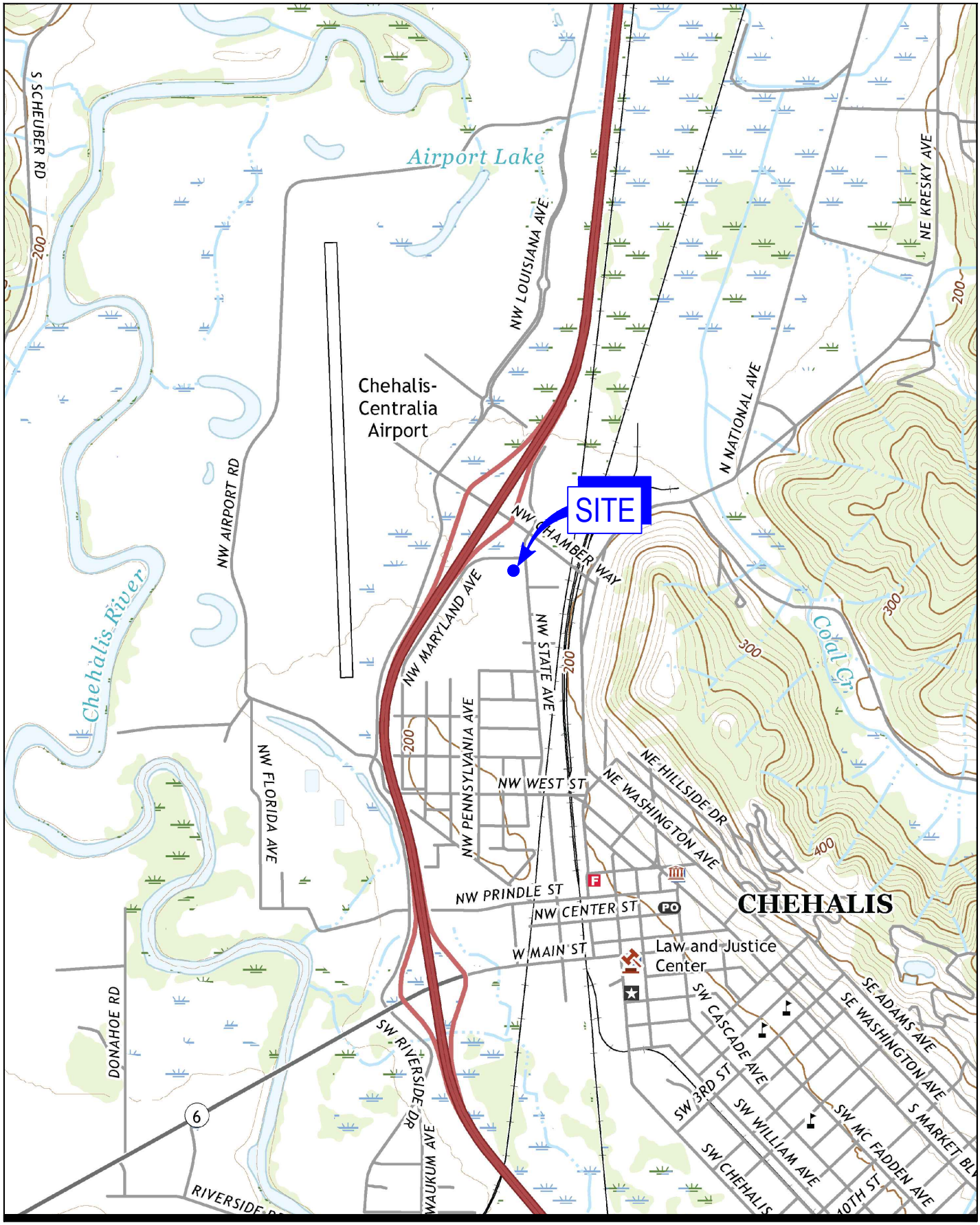
Summary of Groundwater Monitoring Data
Former Shell-Branded Retail Service Station
1349 Northwest State Avenue
Chehalis, Washington

					Total Petroleum Hydrocarbons					Primary VOCs				Oxygenates							Lead	
Location ID	**Date**	**TOC**	**DTW**	**GWE**	**TPHg**	**TPHd**	**TPHo**	**TPHd w/SGC**	**TPHo w/SGC**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**DIPE**	**ETBE**	**MTBE**	**TAME**	**TBA**	**EDB**	**EDC**	**Total**	**Dissolved**
MTCA Method A Cleanup Levels:					**800**	**500**		**500**		**5**	**1,000**	**700**	**1,000**	**NE**	**NE**	**20**	**NE**	**NE**	**0.01**	**5**	**15**	**15**
					µg/L	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**ug/L**

8082; all of these analyte concentrations were below the laboratory reporting limits, except 1-Methylnaphthalene and Naphthalene in the sample from MW-5 at concentrations of 0.20 µg/L and 0.24 µg/L, respectively.
** indicates the samples were additionally analyzed for Halogenated Volatile Organic Compounds (HVOCs) analyzed by EPA Method 8260B; of the HVOCs regulated by MTCA all analyte concentrations were below the laboratory reporting/method dectection limits. Please refer to the lab report for concentrations of HVOCs not regulated by MTCA.

a = Results in the diesel organics range are primarily due to overlap from a heavy oil range product.
b = Hydrocarbon pattern most closely resembles heavy gas/light diesel range components
c = Detected hydrocarbons in the diesel range do not have a distinct diesel pattern and may be due to heavily weathered diesel or possibly biogenic interference.
d = Hydrocarbon pattern most closely resembles a blend of heavy gas/light diesel range components as well as heavily weathered diesel and/or biogenic interference.
e = The primary contamination elutes between C8-C40, which is in the diesel fuel range.
f = The contamination did not match any standards in our library.
g = The primary contamination elutes between C16-C40, which is in the motor oil range.
h = The sample chromatographic pattern for TPH does not match the specified standard. Quantitation of the unknow hydrocarbons was based on the specified standard.

Figures



0 750 1500 ft

1" = 1500 ft

Coordinate System:
Washington State Plane South
WA83-SF

N

GHD

FORMER SHELL-BRANDED SERVICE STATION
1349 NORTHWEST STATE AVENUE
CHEHALIS, WASHINGTON
GROUNDWATER MONITORING REPORT

Project No. **11218545**
Date **December 2024**

VICINITY MAP

FIGURE 1

Filename: \\ghdnet\ghd\US\Lynnwood\Projects\561\11218545\Digital_Design\ACAD 2020\Figures\RPT-2024AGWM\11218545-GHD-00-00-RPT-EN-D101_WA-2024AGWM.dwg
Plot Date: 15 November 2024 8:19 AM

Data Source: USGS Quad Map, Centralia, WA, 2020.

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- MW-1 ● MONITORING WELL LOCATION
- EXCAVATION EXTENT (ESE, 1994)
- C.B. CATCH BASIN
- E ELECTRIC LINE
- OE OVERHEAD ELECTRIC LINE
- G GAS LINE
- T TELEPHONE LINE
- W WATER LINE
- STM STORMWATER LINE

NOTES:

MTCA = MODEL TOXICS CONTROL ACT.

0 10 20 ft

1" = 20 ft

Coordinate System:
Washington State Plane South
WA83-SF

N

GHD

FORMER SHELL-BRANDED SERVICE STATION
1349 NORTHWEST STATE AVENUE
CHEHALIS, WASHINGTON
GROUNDWATER MONITORING REPORT

SITE PLAN

Project No. **11218545**
Date **December 2024**

FIGURE 2

Filename: \\ghdnet\ghd\US\Lynnwood\Projects\561\11218545\Digital_Design\ACAD 2020\Figures\RPT-2024AGWM\11218545-GHD-00-00-RPT-EN-D102_WA-2024AGWM.dwg
Plot Date: 13 December 2024 9:20 AM

Data Source: AECOM Site Plan dated 6/23/20 and noted Base Map modified from drawing provided by Secor & Statewide Land Surveying Inc. dated 9/28/12. Original figure created by GHD. ESE Site Map dated 11/2/94.

MW-7	170.98
TPHg	**1,900**
TPHd	**2,570**
TPHo	**770**
Benzene	**47.2**

MW-6	170.22
TPHg	<250
TPHd	**1,430**
TPHo	**702**
Benzene	0.248

MW-2	170.66
TPHg	**5,520**
TPHd	**5,030**
TPHo	**671**
Benzene	**332**

MW-8	171.77
TPHg	474
TPHd	**1,110**
TPHo	**784**
Benzene	**137**

MW-10	171.98
TPHg	<250
TPHd	**1,380**
TPHo	**1,990**
Benzene	<0.200

MW-4	170.85
TPHg	<250
TPHd	**1,130**
TPHo	**1,010**
Benzene	**6.47**

MW-12	169.86
TPHg	<250
TPHd	**668**
TPHo	**995**
Benzene	<0.200

MW-13	171.47
TPHg	<250
TPHd	**682**
TPHo	**1,220**
Benzene	0.785

MW-5	170.71
TPHg	<250
TPHd	**1,460**
TPHo	**972**
Benzene	<0.200

MW-14	172.22
TPHg	<250
TPHd	**473**
TPHo	**700**
Benzene	<0.200

MW-9	172.00
TPHg	<250
TPHd	**661**
TPHo	**760**
Benzene	**15.1**

MW-11	172.09
TPHg	<250
TPHd	140
TPHo	<329
Benzene	1.34

MW-3	171.53
TPHg	<250
TPHd	151
TPHo	<348
Benzene	**131**

PROPANE AST
FORMER WASTE OIL AST
VENTS
SIGN
USTs
REGULAR
DIESEL
UNLEADED
SUPER
DISPENSER ISLANDS
CANOPY
STATION BUILDING
FORMER HEATING OIL UST
FORMER WASTE OIL UST
BUILDING OVERHANG
COFFEE STAND
WATER METER
C.B.
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-11
MW-12
MW-13
MW-14
NW STATE AVENUE

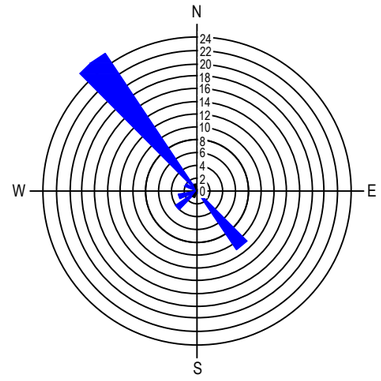
LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- MW-1 — MONITORING WELL LOCATION
- EXCAVATION EXTENT (ESE, 1994)
- C.B. — CATCH BASIN
- E — ELECTRICAL LINE
- OE — OVERHEAD ELECTRIC LINE
- G — GAS LINE
- T — TELEPHONE LINE
- W — WATER LINE
- STM — STORMWATER LINE
- 171.50 — GROUNDWATER ELEVATION CONTOUR, IN FEET REFERENCED TO MEAN SEA LEVEL (ft. MSL), DASHED WHERE INFERRED
- 0.05 — GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)

MW-8	171.77 — GROUNDWATER ELEVATION (MSL)
TPHg	474
TPHd	**1,110** — RESULT
TPHo	**784**
Benzene	**137**
	PARAMETER

SAMPLE LOCATION

NOTES:
1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).
2. BOLD = EXCEEDANCES ABOVE MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL.
3. TPHg = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE RANGE.
4. TPHd = TPH AS DIESEL RANGE.
5. TPHo = TPH AS MOTOR OIL RANGE.
6. <x = NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT.
7. WELL MW-3 NOT USED IN CONTOURING.



GROUNDWATER FLOW DIRECTION THROUGH 1Q2021

0 10 20 ft
1" = 20 ft

Coordinate System: Washington State Plane South WA83-SF

FORMER SHELL-BRANDED SERVICE STATION
1349 NORTHWEST STATE AVENUE
CHEHALIS, WASHINGTON
GROUNDWATER MONITORING REPORT
GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP - JANUARY 21, 2021

Project No. **11218545**
Date **December 2024**

FIGURE 3

Filename: \\ghdnet\ghd\US\Lynnwood\Projects\561\11218545\Digital_Design\ACAD 2020\Figures\RPT-2024AGWM\11218545-GHD-00-00-RPT-EN-D103_WA-2024AGWM.dwg
Plot Date: 13 December 2024 9:26 AM

Data Source: AECOM Site Plan dated 6/23/20 and noted Base Map modified from drawing provided by Secor & Statewide Land Surveying Inc. dated 9/28/12. Original figure created by GHD. ESE Site Map dated 11/2/94.

MW-7	169.03
TPHg	**1,430**
TPHd	**1,030**
TPHo	<117
Benzene	**26.0**

MW-6	169.78
TPHg	400
TPHd	482
TPHo	<113
Benzene	**79.1**

MW-2	169.14
TPHg	**2,950**
TPHd	**1,310**
TPHo	<118
Benzene	**514**

MW-8	171.29
TPHg	**914**
TPHd	241
TPHo	150 J
Benzene	**97.3**

MW-10	171.65
TPHg	<70.4
TPHd	**391**
TPHo	**783**
Benzene	<0.0930

MW-4	169.01
TPHg	<70.4
TPHd	<106
TPHo	<116
Benzene	<0.0930

MW-12	168.47
TPHg	<70.4
TPHd	152 J
TPHo	<113
Benzene	<0.0930

MW-13	167.94
TPHg	<70.4
TPHd	169 J
TPHo	111 J
Benzene	<0.0930

MW-5	168.84
TPHg	<70.4
TPHd	269
TPHo	<113
Benzene	<0.0930

MW-14	171.88
TPHg	141 J
TPHd	<111
TPHo	<121
Benzene	4.54

MW-9	171.54
TPHg	218
TPHd	137 J
TPHo	<120
Benzene	4.05

MW-11	171.47
TPHg	623
TPHd	<111
TPHo	<121
Benzene	**68.2**

MW-3	170.11
TPHg	<70.4
TPHd	<111
TPHo	<121
Benzene	0.201 J

PROPANE AST
FORMER WASTE OIL AST
VENTS
USTs
REGULAR
DIESEL
UNLEADED
SUPER
STATION BUILDING
DISPENSER ISLANDS
CANOPY
BUILDING OVERHANG
FORMER HEATING OIL UST
FORMER WASTE OIL UST
WATER METER
COFFEE STAND
C.B.
NW STATE AVENUE
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-11
MW-12
MW-13
MW-14
169
170
171
168
0.04

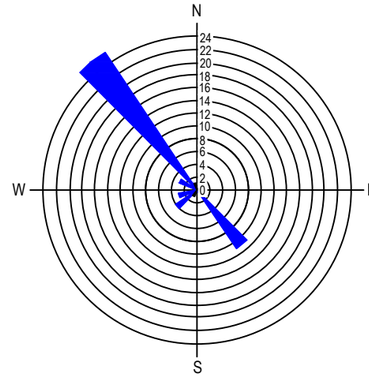
LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- MW-1 ● MONITORING WELL LOCATION
- EXCAVATION EXTENT (ESE, 1994)
- C.B. CATCH BASIN
- E ELECTRICAL LINE
- OE OVERHEAD ELECTRIC LINE
- G GAS LINE
- T TELEPHONE LINE
- W WATER LINE
- STM STORMWATER LINE
- 172 GROUNDWATER ELEVATION CONTOUR, IN FEET REFERENCED TO MEAN SEA LEVEL (ft. MSL), DASHED WHERE INFERRED
- 0.04 GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)

MW-8	171.77
TPHg	474
TPHd	**1,110**
TPHo	**784**
Benzene	**137**

SAMPLE LOCATION
GROUNDWATER ELEVATION (MSL)
RESULT
PARAMETER

NOTES:
1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).
2. BOLD = EXCEEDANCES ABOVE MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL.
3. TPHg = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE RANGE.
4. TPHd = TPH AS DIESEL RANGE.
5. TPHo = TPH AS MOTOR OIL RANGE.
6. <x = NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT.
7. J = ESTIMATED CONCENTRATION.
8. WELLS MW-3 AND MW-14 NOT USED IN CONTOURING.



GROUNDWATER FLOW DIRECTION THROUGH 2Q2021

0 10 20 ft
1" = 20 ft

Coordinate System: Washington State Plane South WA83-SF

GHD

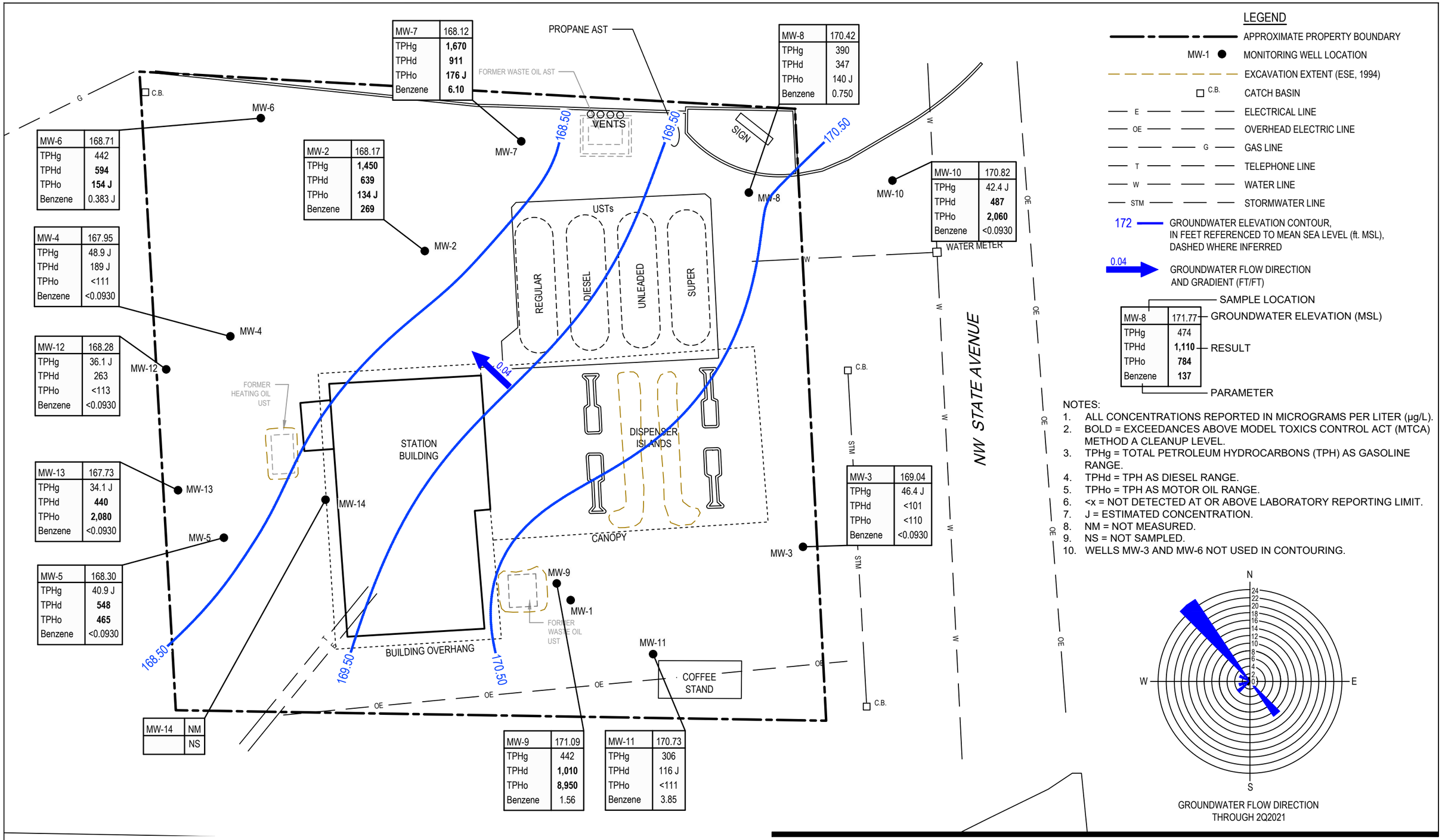
FORMER SHELL-BRANDED SERVICE STATION
1349 NORTHWEST STATE AVENUE
CHEHALIS, WASHINGTON
GROUNDWATER MONITORING REPORT
GROUNDWATER ELEVATION AND CHEMICAL CONCENTRATION MAP - JULY 14, 2021

Project No. **11218545**
Date **December 2024**

FIGURE 4

Filename: \\ghdnet\ghd\US\Lynnwood\Projects\561\11218545\Digital_Design\ACAD 2020\Figures\RPT-2024AGWM\11218545-GHD-00-00-RPT-EN-D104_WA-2024AGWM.dwg
Plot Date: 13 December 2024 9:29 AM

Data Source: AECOM Site Plan dated 6/23/20 and noted Base Map modified from drawing provided by Secor & Statewide Land Surveying Inc. dated 9/28/12. Original figure created by GHD. ESE Site Map dated 11/2/94.



Filename: \\ghdnet\ghd\US\Lynnwood\Projects\561\11218545\Digital_Design\ACAD 2020\Figures\RPT-2024AGWM\11218545-GHD-00-00-RPT-EN-D105_WA-2024AGWM.dwg
Plot Date: 13 December 2024 9:37 AM

Data Source: AECOM Site Plan dated 6/23/20 and noted Base Map modified from drawing provided by Secor & Statewide Land Surveying Inc. dated 9/28/12. Original figure created by GHD. ESE Site Map dated 11/2/94.

MW-7	167.57
TPHg	**1,370**
TPHd	**2,140**
TPHo	**1,620**
Benzene	2.88

MW-8	170.11
TPHg	113
TPHd	**1,280**
TPHo	**1,300**
Benzene	<0.240

MW-6	168.58
TPHg	471
TPHd	**1,900**
TPHo	**600**
Benzene	0.365 J

MW-2	168.17
TPHg	**865**
TPHd	**2,590**
TPHo	**1,340**
Benzene	**144**

MW-10	170.34
TPHg	20.7 J
TPHd	**1,050**
TPHo	**1,600**
Benzene	<0.240

MW-4	167.75
TPHg	22.2 J
TPHd	**511**
TPHo	**511**
Benzene	<0.240

MW-12	166.94
TPHg	<14.0
TPHd	**745**
TPHo	**871**
Benzene	<0.240

MW-13	166.22
TPHg	<14.0
TPHd	**670**
TPHo	**823**
Benzene	<0.240

MW-5	167.94
TPHg	<14.0
TPHd	**1,050**
TPHo	**852**
Benzene	<0.240

MW-14	NM
	NS

MW-9	170.92
TPHg	66.8
TPHd	**630**
TPHo	**687**
Benzene	0.260 J

MW-11	170.73
TPHg	101
TPHd	**612**
TPHo	**993**
Benzene	0.285 J

MW-3	168.61
TPHg	<14.0
TPHd	117
TPHo	240 J
Benzene	<0.240

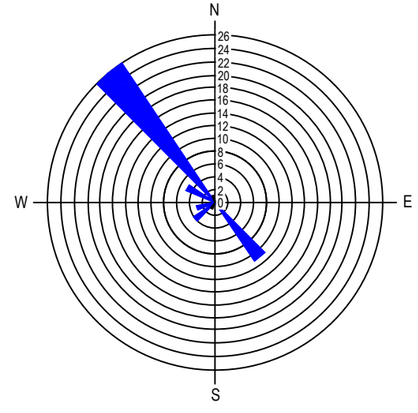
PROPANE AST
FORMER WASTE OIL AST
VENTS
SIGN
MW-6
MW-7
MW-8
MW-10
MW-2
MW-4
MW-12
MW-13
MW-5
MW-14
MW-9
MW-1
MW-11
MW-3
C.B.
USTs
REGULAR
DIESEL
UNLEADED
SUPER
WATER METER
FORMER HEATING OIL UST
STATION BUILDING
DISPENSER ISLANDS
CANOPY
FORMER WASTE OIL UST
BUILDING OVERHANG
COFFEE STAND
NW STATE AVENUE
168.50
166.50
170.50
0.05
G
T
W
STM
OE

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- MW-1 ● MONITORING WELL LOCATION
- EXCAVATION EXTENT (ESE, 1994)
- C.B. CATCH BASIN
- E ELECTRICAL LINE
- OE OVERHEAD ELECTRIC LINE
- G GAS LINE
- T TELEPHONE LINE
- W WATER LINE
- STM STORMWATER LINE
- 172 GROUNDWATER ELEVATION CONTOUR, IN FEET REFERENCED TO MEAN SEA LEVEL (ft. MSL), DASHED WHERE INFERRED
- 0.05 GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)

MW-8	171.77	← SAMPLE LOCATION
TPHg	474	← GROUNDWATER ELEVATION (MSL)
TPHd	**1,110**	← RESULT
TPHo	**784**	
Benzene	**137**	← PARAMETER

NOTES:
1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).
2. BOLD = EXCEEDANCES ABOVE MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL
3. TPHg = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE RANGE.
4. TPHd = TPH AS DIESEL RANGE.
5. TPHo = TPH AS MOTOR OIL RANGE.
6. <x = NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT.
7. J = ESTIMATED CONCENTRATION.
8. NM = NOT MEASURED.
9. NS = NOT SAMPLED.
10. WELLS MW-3 AND MW-6 NOT USED IN CONTOURING.



GROUNDWATER FLOW DIRECTION THROUGH 4Q2023

0 10 20 ft
1" = 20 ft

Coordinate System: Washington State Plane South WA83-SF

N

GHD

FORMER SHELL-BRANDED SERVICE STATION
1349 NORTHWEST STATE AVENUE
CHEHALIS, WASHINGTON
GROUNDWATER MONITORING REPORT
GROUNDWATER ELEVATION AND CHEMICAL CONCENTRATION MAP - SEPTEMBER 20, 2023

Project No. **11218545**
Date **December 2024**

FIGURE 6

Filename: \\ghdnet\ghd\US\Lynnwood\Projects\561\11218545\Digital_Design\ACAD 2020\Figures\RPT-2024AGWM\11218545-GHD-00-00-RPT-EN-D106_WA-2024AGWM.dwg
Plot Date: 13 December 2024 9:38 AM

Data Source: AECOM Site Plan dated 6/23/20 and noted Base Map modified from drawing provided by Secor & Statewide Land Surveying Inc. dated 9/28/12. Original figure created by GHD. ESE Site Map dated 11/2/94.

MW-7	168.51
TPHg	**1,140**
TPHd	**2,480**
TPHo	**1,010**
Benzene	2.60

MW-8	158.86
TPHg	101 J
TPHd	**1,440**
TPHo	**1,590**
Benzene	<0.240

MW-6	169.73
TPHg	384
TPHd	**1,380**
TPHo	**762**
Benzene	0.458 J

MW-2	168.68
TPHg	554
TPHd	**2,210**
TPHo	**1,520**
Benzene	**34.8**

MW-10	171.30
TPHg	73.2 J
TPHd	**1,550**
TPHo	**1,950**
Benzene	3.21

MW-4	168.32
TPHg	<73.0
TPHd	**457**
TPHo	**462**
Benzene	<0.240

MW-12	168.05
TPHg	<73.0
TPHd	**906**
TPHo	**1,130**
Benzene	<0.240

MW-13	167.07
TPHg	<73.0
TPHd	**735**
TPHo	**923**
Benzene	<0.240

MW-5	168.74
TPHg	<73.0
TPHd	**1,150**
TPHo	**1,170**
Benzene	<0.240

MW-14	NM
	NS

MW-3	169.41
TPHg	<73.0
TPHd	171 J
TPHo	236 J
Benzene	<0.240

MW-9	171.29
TPHg	<73.0
TPHd	**850**
TPHo	**1,070**
Benzene	<0.240

MW-11	171.09
TPHg	<73.0
TPHd	**535**
TPHo	**842**
Benzene	2.71

PROPANE AST
FORMER WASTE OIL AST
VENTS
SIGN
MW-6
MW-7
MW-8
MW-10
MW-2
MW-4
MW-12
MW-13
MW-5
MW-14
MW-3
MW-9
MW-1
MW-11
WATER METER
USTs
REGULAR
DIESEL
UNLEADED
SUPER
STATION BUILDING
DISPENSER ISLANDS
CANOPY
FORMER HEATING OIL UST
FORMER WASTE OIL UST
BUILDING OVERHANG
COFFEE STAND
C.B.
NW STATE AVENUE
169.80
168.30
171.30
0.02
0.05

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- MW-1 ● MONITORING WELL LOCATION
- EXCAVATION EXTENT (ESE, 1994)
- C.B. CATCH BASIN
- E ELECTRICAL LINE
- OE OVERHEAD ELECTRIC LINE
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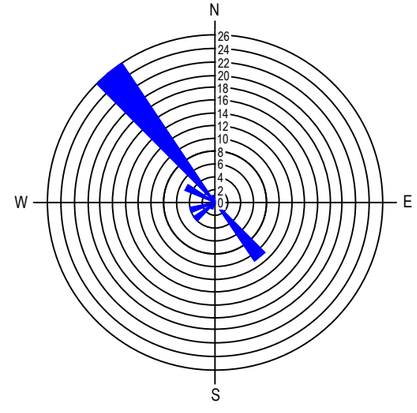
- W WATER LINE
- STM STORMWATER LINE
- 172 GROUNDWATER ELEVATION CONTOUR, IN FEET REFERENCED TO MEAN SEA LEVEL (ft. MSL), DASHED WHERE INFERRED
- 0.05 GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)

MW-8	171.77
TPHg	474
TPHd	**1,110**
TPHo	**784**
Benzene	**137**

SAMPLE LOCATION
GROUNDWATER ELEVATION (MSL)
RESULT
PARAMETER

NOTES:
1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).
2. BOLD = EXCEEDANCES ABOVE MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL.
3. TPHg = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE RANGE.
4. TPHd = TPH AS DIESEL RANGE.
5. TPHo = TPH AS MOTOR OIL RANGE.
6. <x = NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT.
7. J = ESTIMATED CONCENTRATION.
8. NM = NOT MEASURED.
9. NS = NOT SAMPLED.
10. WELLS MW-3 AND MW-8 NOT USED IN CONTOURING.



GROUNDWATER FLOW DIRECTION THROUGH 3Q2024

0 10 20 ft
1" = 20 ft

Coordinate System: Washington State Plane South WA83-SF

FORMER SHELL-BRANDED SERVICE STATION
1349 NORTHWEST STATE AVENUE
CHEHALIS, WASHINGTON
GROUNDWATER MONITORING REPORT
GROUNDWATER ELEVATION AND CHEMICAL CONCENTRATION MAP - SEPTEMBER 9, 2024

Project No. **11218545**
Date **December 2024**

FIGURE 7

Filename: \\ghdnet\ghd\US\Lynnwood\Projects\561\11218545\Digital_Design\ACAD 2020\Figures\RPT-2024AGWM\11218545-GHD-00-00-RPT-EN-D107_WA-2024AGWM.dwg
Plot Date: 13 December 2024 9:40 AM

Data Source: AECOM Site Plan dated 6/23/20 and noted Base Map modified from drawing provided by Secor & Statewide Land Surveying Inc. dated 9/28/12. Original figure created by GHD. ESE Site Map dated 11/2/94.

Appendices

Appendix A

Laboratory Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-100638-1
Client Project/Site: 1349 NW State Ave, Chehalis, WA

For:
GHD Services Inc.
20818 44th Ave W
Suite 190
Lynnwood, Washington 98036

Attn: Emily Blakeway

Roxanne Cisneros

Authorized for release by:
2/17/2021 12:16:37 PM

Roxanne Cisneros, Senior Project Manager
(615)301-5761
roxanne.cisneros@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client Sample Results 7
QC Sample Results 32
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Certification Summary 52
Sample Summary 53
Chain of Custody 54
Receipt Checklists 56

Job ID: 580-100638-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative
580-100638-1

Comments
No additional comments.

Receipt
The samples were received on 1/21/2021 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.1º C and 1.5º C.

GC/MS VOA
Method 8260D: Reanalysis of the following samples was performed outside of the analytical holding time due to new initial calibration needing to be performed after instrument maintenance: GW-11218545-012121-AW-MW-12 (580-100638-11).

Method 8260D: Reanalysis of the following samples were performed outside of the analytical holding time due to needing a higher dilution : GW-11218545-012121-AW-MW-2 (580-100638-2) and GW-11218545-012121-FK-MW-8 (580-100638-7).

Method 8260D: Reanalysis of the following samples were performed outside of the analytical holding time due to needing to perform a new initial calibration and perform dilutions for samples 580-100638-2, 580-100638-6, and 580-100638-12 : GW-11218545-012121-FK-MW-3 (580-100638-1), GW-11218545-012121-AW-MW-2 (580-100638-2), GW-11218545-012121-AW-MW-4 (580-100638-3), GW-11218545-012121-FK-MW-5 (580-100638-4), GW-11218545-012121-AW-MW-6 (580-100638-5), GW-11218545-012121-AW-MW-7 (580-100638-6), GW-11218545-012121-FK-MW-8 (580-100638-7), GW-11218545-012121-FK-MW-9 (580-100638-8), GW-11218545-012121-FK-MW-10 (580-100638-9), GW-11218545-012121-FK-MW-11 (580-100638-10), GW-11218545-012121-AW-MW-13 (580-100638-12) and GW-11218545-012121-FK-MW-14 (580-100638-13).

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: GW-11218545-012121-AW-MW-2 (580-100638-2), GW-11218545-012121-AW-MW-7 (580-100638-6), GW-11218545-012121-FK-MW-8 (580-100638-7), GW-11218545-012121-AW-MW-13 (580-100638-12) and GW-11218545-012121-FK-MW-14 (580-100638-13). Elevated reporting limits (RLs) are provided.

Method 8260D: The following samples have analyte hits for Benzene and Toluene over the calibration limit. However this data is being reported due to reanalysis of dilutions for these samples were performed outside of holding time. GW-11218545-012121-FK-MW-3 (580-100638-1), GW-11218545-012121-AW-MW-2 (580-100638-2) and GW-11218545-012121-FK-MW-8 (580-100638-7)

Method 8260D: The following samples were analyzed outside of analytical holding time due to needing DIPE by std 8260 method (unable to report DIPE from LL 8260): GW-11218545-012121-AW-MW-2 (580-100638-2), GW-11218545-012121-FK-MW-11 (580-100638-10) and GW-11218545-012121-FK-MW-14 (580-100638-13).

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 580-349618 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8260D: The laboratory control sample (LCS) for analytical batch 580-349193 recovered outside acceptance limits for Ethylbenzene and m-Xylene & p-Xylene. Reanalysis was performed outside of the holding time and is being reported as secondary data. GW-11218545-012121-FK-MW-3 (580-100638-1), GW-11218545-012121-AW-MW-2 (580-100638-2), GW-11218545-012121-AW-MW-4 (580-100638-3), GW-11218545-012121-FK-MW-5 (580-100638-4), GW-11218545-012121-AW-MW-6 (580-100638-5), GW-11218545-012121-AW-MW-7 (580-100638-6), GW-11218545-012121-FK-MW-8 (580-100638-7), GW-11218545-012121-FK-MW-9 (580-100638-8), GW-11218545-012121-FK-MW-10 (580-100638-9), GW-11218545-012121-FK-MW-11 (580-100638-10), GW-11218545-012121-AW-MW-12 (580-100638-11), GW-11218545-012121-AW-MW-13 (580-100638-12), GW-11218545-012121-FK-MW-14 (580-100638-13), (LCS 580-349193/15) and (LCSD 580-349193/16)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Job ID: 580-100638-1 (Continued)

Laboratory: Eurofins TestAmerica, Seattle (Continued)

GC Semi VOA

Method 8011: The lower laboratory control sample (LLCS) for preparation batch 580-348679 and 580-348679 and analytical batch 580-348728 recovered outside control limits for the following analytes: Ethylene Dibromide. This analyte was biased high in the LLCS and was not detected in the associated samples; therefore, the data have been reported.

Method NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: GW-11218545-012121-FK-MW-3 (580-100638-1), GW-11218545-012121-AW-MW-2 (580-100638-2) and GW-11218545-012121-AW-MW-4 (580-100638-3).

Method NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern were later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: GW-11218545-012121-AW-MW-12 (580-100638-11) and GW-11218545-012121-AW-MW-13 (580-100638-12).

Method NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern were earlier than the typical diesel fuel pattern used by the laboratory for quantitative purposes: GW-11218545-012121-FK-MW-14 (580-100638-13).

Method NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern were later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: GW-11218545-012121-FK-MW-5 (580-100638-4), GW-11218545-012121-FK-MW-9 (580-100638-8) and GW-11218545-012121-FK-MW-10 (580-100638-9).

Method NWTPH-Dx: Surrogate recovery for the following sample was outside control limits: GW-11218545-012121-FK-MW-8 (580-100638-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern were earlier than the typical diesel fuel pattern used by the laboratory for quantitative purposes: GW-11218545-012121-AW-MW-6 (580-100638-5), GW-11218545-012121-AW-MW-7 (580-100638-6) and GW-11218545-012121-FK-MW-8 (580-100638-7).

Method NWTPH-Dx: The following samples were diluted due to the nature of the sample matrix: GW-11218545-012121-FK-MW-5 (580-100638-4), GW-11218545-012121-AW-MW-6 (580-100638-5), GW-11218545-012121-AW-MW-7 (580-100638-6) and GW-11218545-012121-FK-MW-10 (580-100638-9). Elevated reporting limits (RLs) are provided.

Method NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: GW-11218545-012121-FK-MW-5 (580-100638-4), GW-11218545-012121-FK-MW-9 (580-100638-8), GW-11218545-012121-FK-MW-10 (580-100638-9) and GW-11218545-012121-FK-MW-11 (580-100638-10).

Method NWTPH-Dx: The peak profile present in this sample GW-11218545-012121-AW-MW-6 (580-100638-5) and GW-11218545-012121-FK-MW-8 (580-100638-7) is atypical of a hydrocarbon pattern and consists of discrete peaks.

Method NWTPH-Dx: The following sample contained a hydrocarbon pattern in the diesel range; however, the elution pattern was earlier than the typical diesel fuel pattern used by the laboratory for quantitative purposes: GW-11218545-012121-AW-MW-7 (580-100638-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 580-348648. A LCS/LCSD were used instead.

Method 8011: A deviation from the Standard Operating Procedure (SOP) occurred. Details are as follows: Samples had arrived preserved in HCL instead of sodium thiosulfate. Samples were then prepared according to the SOP,

Job ID: 580-100638-1 (Continued)

Laboratory: Eurofins TestAmerica, Seattle (Continued)

Method 8011: The emulsions were broken up using a disposable pipette. The sample along with the emulsions were taken up using the pipette and both were placed into a sample vial.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 580-348818. A LCS/LCSD were used instead.

Method 8011: Details are as follows: Samples 580-100638-B-14 & 580-100638-G-13 had arrived preserved in hydrochloric acid instead of sodium thiosulfate. The samples were treated the same as described by the 8011 method.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
E	Result exceeded calibration range.
H	Sample was prepped or analyzed beyond the specified holding time

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 580-100638-1

Client Sample ID: GW-11218545-012121-FK-MW-3
Date Collected: 01/21/21 00:01
Date Received: 01/21/21 15:30

Lab Sample ID: 580-100638-1
Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**131**	**E**	0.200		ug/L			02/04/21 07:42	1
EDC	ND		0.200		ug/L			02/04/21 07:42	1
Ethylbenzene	**15.3**	***-**	0.200		ug/L			02/04/21 07:42	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/04/21 07:42	1
Toluene	**4.76**		0.200		ug/L			02/04/21 07:42	1
Xylenes, Total	**13.0**		0.500		ug/L			02/04/21 07:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*02/04/21 07:42*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*02/04/21 07:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 120*		*02/04/21 07:42*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/04/21 07:42*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	0.200		ug/L			02/07/21 01:02	1
EDC	ND	H	0.200		ug/L			02/07/21 01:02	1
Ethylbenzene	ND	H	0.200		ug/L			02/07/21 01:02	1
Methyl tert-butyl ether	ND	H	0.300		ug/L			02/07/21 01:02	1
Toluene	ND	H	0.200		ug/L			02/07/21 01:02	1
Xylenes, Total	ND	H	0.500		ug/L			02/07/21 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*02/07/21 01:02*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*02/07/21 01:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*02/07/21 01:02*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/07/21 01:02*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		250		ug/L			01/27/21 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*50 - 150*		*01/27/21 19:18*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.00992		ug/L		01/27/21 17:19	01/28/21 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*111*		*60 - 140*	*01/27/21 17:19*	*01/28/21 14:10*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**151**		109		ug/L		01/27/21 11:08	01/29/21 01:11	1
Motor Oil	ND		348		ug/L		01/27/21 11:08	01/29/21 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*50 - 150*	*01/27/21 11:08*	*01/29/21 01:11*	*1*

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-012121-FK-MW-3
Lab Sample ID: 580-100638-1
Date Collected: 01/21/21 00:01
Matrix: Water
Date Received: 01/21/21 15:30

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0		ug/L		01/26/21 16:58	01/27/21 17:55	1

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 580-100638-1

Client Sample ID: GW-11218545-012121-AW-MW-2

Lab Sample ID: 580-100638-2

Date Collected: 01/21/21 10:46

Matrix: Water

Date Received: 01/21/21 15:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**332**	**E**	0.200		ug/L			02/04/21 02:35	1
EDB	ND		0.100		ug/L			02/04/21 02:35	1
Isopropyl Ether (DIPE)	ND	H	40.0		ug/L			02/09/21 21:22	20
EDC	ND		0.200		ug/L			02/04/21 02:35	1
Ethylbenzene	**NQ**	***-**	0.200		ug/L			02/04/21 02:35	1
Ethyl tert-Butyl Ether (ETBE)	**0.687**		0.500		ug/L			02/04/21 02:35	1
Methyl tert-butyl ether	**1.12**		0.300		ug/L			02/04/21 02:35	1
TAME	ND		0.500		ug/L			02/04/21 02:35	1
TBA	**NQ**		25.0		ug/L			02/04/21 02:35	1
Toluene	**77.5**	**E**	0.200		ug/L			02/04/21 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*02/04/21 02:35*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*02/09/21 21:22*	*20*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*02/04/21 02:35*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*02/09/21 21:22*	*20*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*02/04/21 02:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 126*		*02/09/21 21:22*	*20*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/04/21 02:35*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/09/21 21:22*	*20*

Method: 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**537**	**H**	20.0		ug/L			02/09/21 01:44	100
EDB	ND	H	2.00		ug/L			02/07/21 01:27	20
EDC	ND	H	4.00		ug/L			02/07/21 01:27	20
Ethylbenzene	**1090**	**H**	4.00		ug/L			02/07/21 01:27	20
Ethylbenzene	**250**	**H**	20.0		ug/L			02/09/21 01:44	100
Ethyl tert-Butyl Ether (ETBE)	ND	H	10.0		ug/L			02/07/21 01:27	20
Methyl tert-butyl ether	ND	H	6.00		ug/L			02/07/21 01:27	20
TAME	ND	H	10.0		ug/L			02/07/21 01:27	20
TBA	**16600**	**H**	500		ug/L			02/07/21 01:27	20
TBA	**4020**	**H**	2500		ug/L			02/09/21 01:44	100
Toluene	**299**	**H**	4.00		ug/L			02/07/21 01:27	20
Toluene	**83.1**	**H**	20.0		ug/L			02/09/21 01:44	100
Xylenes, Total	**1060**	**H**	50.0		ug/L			02/09/21 01:44	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*02/07/21 01:27*	*20*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*02/09/21 01:44*	*100*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*02/07/21 01:27*	*20*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*02/09/21 01:44*	*100*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*02/07/21 01:27*	*20*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*02/09/21 01:44*	*100*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/07/21 01:27*	*20*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/09/21 01:44*	*100*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**5520**		250		ug/L			01/27/21 19:43	1

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 580-100638-1

Client Sample ID: GW-11218545-012121-AW-MW-2

Lab Sample ID: 580-100638-2

Date Collected: 01/21/21 10:46

Matrix: Water

Date Received: 01/21/21 15:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*50 - 150*		*01/27/21 19:43*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.0102		ug/L		01/27/21 17:19	01/28/21 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*111*		*60 - 140*	*01/27/21 17:19*	*01/28/21 14:26*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**5030**		107		ug/L		01/27/21 11:08	01/29/21 01:32	1
Motor Oil	**671**		340		ug/L		01/27/21 11:08	01/29/21 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*50 - 150*	*01/27/21 11:08*	*01/29/21 01:32*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0		ug/L		01/26/21 16:58	01/27/21 17:58	1

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 580-100638-1

Client Sample ID: GW-11218545-012121-AW-MW-4

Lab Sample ID: 580-100638-3

Date Collected: 01/21/21 12:02

Matrix: Water

Date Received: 01/21/21 15:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.47**		0.200		ug/L			02/04/21 03:01	1
EDC	ND		0.200		ug/L			02/04/21 03:01	1
Ethylbenzene	ND	*-	0.200		ug/L			02/04/21 03:01	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/04/21 03:01	1
Toluene	**0.473**		0.200		ug/L			02/04/21 03:01	1
Xylenes, Total	**0.758**		0.500		ug/L			02/04/21 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*02/04/21 03:01*	*1*
Dibromofluoromethane (Surr)	*83*		*80 - 120*		*02/04/21 03:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*80 - 120*		*02/04/21 03:01*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*02/04/21 03:01*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7.11**	**H**	0.200		ug/L			02/07/21 01:53	1
EDC	ND	H	0.200		ug/L			02/07/21 01:53	1
Ethylbenzene	ND	H	0.200		ug/L			02/07/21 01:53	1
Methyl tert-butyl ether	ND	H	0.300		ug/L			02/07/21 01:53	1
Toluene	**0.483**	**H**	0.200		ug/L			02/07/21 01:53	1
Xylenes, Total	ND	H	0.500		ug/L			02/07/21 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*02/07/21 01:53*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*02/07/21 01:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*80 - 120*		*02/07/21 01:53*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*02/07/21 01:53*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		250		ug/L			01/27/21 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*50 - 150*		*01/27/21 20:07*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.0104		ug/L		01/27/21 17:19	01/28/21 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*110*		*60 - 140*	*01/27/21 17:19*	*01/28/21 14:42*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**1130**		105		ug/L		01/27/21 11:08	01/29/21 01:52	1
Motor Oil	**1010**		333		ug/L		01/27/21 11:08	01/29/21 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*01/27/21 11:08*	*01/29/21 01:52*	*1*

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-012121-AW-MW-4
Lab Sample ID: 580-100638-3
Date Collected: 01/21/21 12:02
Matrix: Water
Date Received: 01/21/21 15:30

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0		ug/L		01/26/21 16:58	01/27/21 18:01	1

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 580-100638-1

Client Sample ID: GW-11218545-012121-FK-MW-5

Lab Sample ID: 580-100638-4

Date Collected: 01/21/21 13:45

Matrix: Water

Date Received: 01/21/21 15:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200		ug/L			02/04/21 03:27	1
EDC	ND		0.200		ug/L			02/04/21 03:27	1
Ethylbenzene	ND	*-	0.200		ug/L			02/04/21 03:27	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/04/21 03:27	1
Toluene	ND		0.200		ug/L			02/04/21 03:27	1
Xylenes, Total	ND		0.500		ug/L			02/04/21 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*02/04/21 03:27*	*1*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*02/04/21 03:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*80 - 120*		*02/04/21 03:27*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*02/04/21 03:27*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	0.200		ug/L			02/07/21 02:19	1
EDC	ND	H	0.200		ug/L			02/07/21 02:19	1
Ethylbenzene	ND	H	0.200		ug/L			02/07/21 02:19	1
Methyl tert-butyl ether	ND	H	0.300		ug/L			02/07/21 02:19	1
Toluene	ND	H	0.200		ug/L			02/07/21 02:19	1
Xylenes, Total	ND	H	0.500		ug/L			02/07/21 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*02/07/21 02:19*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*02/07/21 02:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*02/07/21 02:19*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*02/07/21 02:19*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		250		ug/L			01/27/21 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*50 - 150*		*01/27/21 20:56*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.0100		ug/L		01/27/21 17:19	01/28/21 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*108*		*60 - 140*	*01/27/21 17:19*	*01/28/21 14:57*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**1460**		222		ug/L		01/27/21 11:08	02/02/21 18:33	2
Motor Oil	**972**		708		ug/L		01/27/21 11:08	02/02/21 18:33	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*50 - 150*	*01/27/21 11:08*	*02/02/21 18:33*	*2*

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-012121-FK-MW-5
Lab Sample ID: 580-100638-4
Date Collected: 01/21/21 13:45
Matrix: Water
Date Received: 01/21/21 15:30

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0		ug/L		01/26/21 16:58	01/27/21 18:04	1

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 580-100638-1

Client Sample ID: GW-11218545-012121-AW-MW-6

Lab Sample ID: 580-100638-5

Date Collected: 01/21/21 11:27

Matrix: Water

Date Received: 01/21/21 15:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.248**		0.200		ug/L			02/04/21 03:52	1
EDC	ND		0.200		ug/L			02/04/21 03:52	1
Ethylbenzene	ND	*-	0.200		ug/L			02/04/21 03:52	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/04/21 03:52	1
Toluene	**0.882**		0.200		ug/L			02/04/21 03:52	1
Xylenes, Total	**3.36**		0.500		ug/L			02/04/21 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*02/04/21 03:52*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*02/04/21 03:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*80 - 120*		*02/04/21 03:52*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/04/21 03:52*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.241**	**H**	0.200		ug/L			02/07/21 02:45	1
EDC	ND	H	0.200		ug/L			02/07/21 02:45	1
Ethylbenzene	ND	H	0.200		ug/L			02/07/21 02:45	1
Methyl tert-butyl ether	**0.640**	**H**	0.300		ug/L			02/07/21 02:45	1
Toluene	**0.922**	**H**	0.200		ug/L			02/07/21 02:45	1
Xylenes, Total	**3.28**	**H**	0.500		ug/L			02/07/21 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*02/07/21 02:45*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*02/07/21 02:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*02/07/21 02:45*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*02/07/21 02:45*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		250		ug/L			01/27/21 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*50 - 150*		*01/27/21 21:20*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.0100		ug/L		01/27/21 17:19	01/28/21 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*114*		*60 - 140*	*01/27/21 17:19*	*01/28/21 15:13*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**1430**		209		ug/L		01/27/21 11:08	02/02/21 18:53	2
Motor Oil	**702**		666		ug/L		01/27/21 11:08	02/02/21 18:53	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*01/27/21 11:08*	*02/02/21 18:53*	*2*

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 580-100638-1

Client Sample ID: GW-11218545-012121-AW-MW-6
Date Collected: 01/21/21 11:27
Date Received: 01/21/21 15:30

Lab Sample ID: 580-100638-5
Matrix: Water

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0		ug/L		01/26/21 16:58	01/27/21 18:08	1

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 580-100638-1

Client Sample ID: GW-11218545-012121-AW-MW-7

Lab Sample ID: 580-100638-6

Date Collected: 01/21/21 10:01

Matrix: Water

Date Received: 01/21/21 15:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**47.2**		0.200		ug/L			02/04/21 04:18	1
EDC	ND		0.200		ug/L			02/04/21 04:18	1
Ethylbenzene	**NQ**	*-	0.200		ug/L			02/04/21 04:18	1
Methyl tert-butyl ether	**5.74**		0.300		ug/L			02/04/21 04:18	1
Toluene	**30.9**		0.200		ug/L			02/04/21 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*02/04/21 04:18*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*02/04/21 04:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 120*		*02/04/21 04:18*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*02/04/21 04:18*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**194**	**H**	4.00		ug/L			02/07/21 03:10	20
EDC	ND	H	4.00		ug/L			02/07/21 03:10	20
Ethylbenzene	**281**	**H**	4.00		ug/L			02/07/21 03:10	20
Methyl tert-butyl ether	**25.8**	**H**	6.00		ug/L			02/07/21 03:10	20
Toluene	**115**	**H**	4.00		ug/L			02/07/21 03:10	20
Xylenes, Total	**1050**	**H**	10.0		ug/L			02/07/21 03:10	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*02/07/21 03:10*	*20*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*02/07/21 03:10*	*20*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*02/07/21 03:10*	*20*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/07/21 03:10*	*20*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**1900**		250		ug/L			01/27/21 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*50 - 150*		*01/27/21 21:44*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.0101		ug/L		01/27/21 17:19	01/28/21 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*118*		*60 - 140*	*01/27/21 17:19*	*01/28/21 15:29*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**2570**		216		ug/L		01/27/21 11:08	02/02/21 19:14	2
Motor Oil	**770**		686		ug/L		01/27/21 11:08	02/02/21 19:14	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*01/27/21 11:08*	*02/02/21 19:14*	*2*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0		ug/L		01/26/21 16:58	01/27/21 18:11	1

Client Sample ID: GW-11218545-012121-FK-MW-8
Date Collected: 01/21/21 09:56
Date Received: 01/21/21 15:30

Lab Sample ID: 580-100638-7
Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**137**	**E**	0.200		ug/L			02/04/21 04:43	1
EDC	ND		0.200		ug/L			02/04/21 04:43	1
Ethylbenzene	**4.62**	***-**	0.200		ug/L			02/04/21 04:43	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/04/21 04:43	1
Toluene	**16.4**		0.200		ug/L			02/04/21 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*02/04/21 04:43*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*02/04/21 04:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*80 - 120*		*02/04/21 04:43*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*02/04/21 04:43*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**142**	**H**	2.00		ug/L			02/09/21 02:09	10
Ethylbenzene	**4.19**	**H**	2.00		ug/L			02/09/21 02:09	10
Toluene	**16.4**	**H**	2.00		ug/L			02/09/21 02:09	10
Xylenes, Total	**75.9**	**H**	5.00		ug/L			02/09/21 02:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*02/09/21 02:09*	*10*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*02/09/21 02:09*	*10*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*02/09/21 02:09*	*10*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/09/21 02:09*	*10*

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
EDC	ND	H	0.200		ug/L			02/07/21 03:36	1
Ethylbenzene	**2.89**	**H**	0.200		ug/L			02/07/21 03:36	1
Methyl tert-butyl ether	**0.466**	**H**	0.300		ug/L			02/07/21 03:36	1
Toluene	**15.1**	**H**	0.200		ug/L			02/07/21 03:36	1
Xylenes, Total	**85.5**	**H**	0.500		ug/L			02/07/21 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*02/07/21 03:36*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*02/07/21 03:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*02/07/21 03:36*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*02/07/21 03:36*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**474**		250		ug/L			01/27/21 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*50 - 150*		*01/27/21 23:45*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.0106		ug/L		01/27/21 17:19	01/28/21 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*115*		*60 - 140*	*01/27/21 17:19*	*01/28/21 16:01*	*1*

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-012121-FK-MW-8
Lab Sample ID: 580-100638-7
Date Collected: 01/21/21 09:56
Matrix: Water
Date Received: 01/21/21 15:30

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	1110		111		ug/L		01/27/21 11:08	02/02/21 19:34	1
Motor Oil	784		354		ug/L		01/27/21 11:08	02/02/21 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*50 - 150*	*01/27/21 11:08*	*02/02/21 19:34*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0		ug/L		01/26/21 16:58	01/27/21 18:14	1

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 580-100638-1

Client Sample ID: GW-11218545-012121-FK-MW-9

Lab Sample ID: 580-100638-8

Date Collected: 01/21/21 11:43

Matrix: Water

Date Received: 01/21/21 15:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**15.1**		0.200		ug/L			02/04/21 05:09	1
EDC	ND		0.200		ug/L			02/04/21 05:09	1
Ethylbenzene	ND	*-	0.200		ug/L			02/04/21 05:09	1
Methyl tert-butyl ether	**1.07**		0.300		ug/L			02/04/21 05:09	1
Toluene	**6.40**		0.200		ug/L			02/04/21 05:09	1
Xylenes, Total	ND		0.500		ug/L			02/04/21 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*02/04/21 05:09*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*02/04/21 05:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*80 - 120*		*02/04/21 05:09*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/04/21 05:09*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**16.8**	**H**	0.200		ug/L			02/07/21 04:02	1
EDC	ND	H	0.200		ug/L			02/07/21 04:02	1
Ethylbenzene	ND	H	0.200		ug/L			02/07/21 04:02	1
Methyl tert-butyl ether	**1.16**	**H**	0.300		ug/L			02/07/21 04:02	1
Toluene	**6.82**	**H**	0.200		ug/L			02/07/21 04:02	1
Xylenes, Total	**0.505**	**H**	0.500		ug/L			02/07/21 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*02/07/21 04:02*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*02/07/21 04:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*02/07/21 04:02*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*02/07/21 04:02*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		250		ug/L			01/28/21 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*50 - 150*		*01/28/21 00:10*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.0100		ug/L		01/27/21 17:19	01/28/21 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*116*		*60 - 140*	*01/27/21 17:19*	*01/28/21 16:17*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**661**		108		ug/L		01/27/21 11:08	02/02/21 19:54	1
Motor Oil	**760**		345		ug/L		01/27/21 11:08	02/02/21 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*01/27/21 11:08*	*02/02/21 19:54*	*1*

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-012121-FK-MW-9
Lab Sample ID: 580-100638-8
Date Collected: 01/21/21 11:43
Matrix: Water
Date Received: 01/21/21 15:30

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0		ug/L		01/26/21 16:58	01/27/21 18:17	1

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 580-100638-1

Client Sample ID: GW-11218545-012121-FK-MW-10

Lab Sample ID: 580-100638-9

Date Collected: 01/21/21 10:33

Matrix: Water

Date Received: 01/21/21 15:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200		ug/L			02/04/21 05:35	1
EDC	ND		0.200		ug/L			02/04/21 05:35	1
Ethylbenzene	ND	*-	0.200		ug/L			02/04/21 05:35	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/04/21 05:35	1
Toluene	ND		0.200		ug/L			02/04/21 05:35	1
Xylenes, Total	ND		0.500		ug/L			02/04/21 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*02/04/21 05:35*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*02/04/21 05:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*		*02/04/21 05:35*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*02/04/21 05:35*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	0.200		ug/L			02/07/21 04:28	1
EDC	ND	H	0.200		ug/L			02/07/21 04:28	1
Ethylbenzene	ND	H	0.200		ug/L			02/07/21 04:28	1
Methyl tert-butyl ether	ND	H	0.300		ug/L			02/07/21 04:28	1
Toluene	ND	H	0.200		ug/L			02/07/21 04:28	1
Xylenes, Total	ND	H	0.500		ug/L			02/07/21 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*02/07/21 04:28*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*02/07/21 04:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*02/07/21 04:28*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*02/07/21 04:28*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		250		ug/L			01/29/21 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*50 - 150*		*01/29/21 15:40*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.0102		ug/L		01/27/21 17:19	01/28/21 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*111*		*60 - 140*	*01/27/21 17:19*	*01/28/21 16:33*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**1380**		325		ug/L		01/27/21 11:08	02/02/21 20:14	3
Motor Oil	**1990**		1030		ug/L		01/27/21 11:08	02/02/21 20:14	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*01/27/21 11:08*	*02/02/21 20:14*	*3*

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-012121-FK-MW-10
Lab Sample ID: 580-100638-9
Date Collected: 01/21/21 10:33
Matrix: Water
Date Received: 01/21/21 15:30

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0		ug/L		01/26/21 16:58	01/27/21 18:27	1

Client Sample ID: GW-11218545-012121-FK-MW-11

Lab Sample ID: 580-100638-10

Date Collected: 01/21/21 12:24

Matrix: Water

Date Received: 01/21/21 15:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.34**		0.200		ug/L			02/04/21 06:00	1
EDB	ND		0.100		ug/L			02/04/21 06:00	1
Isopropyl Ether (DIPE)	ND	H	2.00		ug/L			02/09/21 21:47	1
EDC	ND		0.200		ug/L			02/04/21 06:00	1
Ethylbenzene	ND	*-	0.200		ug/L			02/04/21 06:00	1
Ethyl tert-Butyl Ether (ETBE)	ND		0.500		ug/L			02/04/21 06:00	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/04/21 06:00	1
TAME	ND		0.500		ug/L			02/04/21 06:00	1
TBA	ND		25.0		ug/L			02/04/21 06:00	1
Toluene	ND		0.200		ug/L			02/04/21 06:00	1
Xylenes, Total	ND		0.500		ug/L			02/04/21 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*02/04/21 06:00*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*02/09/21 21:47*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*02/04/21 06:00*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*02/09/21 21:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*02/04/21 06:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 126*		*02/09/21 21:47*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*02/04/21 06:00*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/09/21 21:47*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	0.200		ug/L			02/07/21 04:53	1
EDB	ND	H	0.100		ug/L			02/07/21 04:53	1
EDC	ND	H	0.200		ug/L			02/07/21 04:53	1
Ethylbenzene	ND	H	0.200		ug/L			02/07/21 04:53	1
Ethyl tert-Butyl Ether (ETBE)	ND	H	0.500		ug/L			02/07/21 04:53	1
Methyl tert-butyl ether	ND	H	0.300		ug/L			02/07/21 04:53	1
TAME	ND	H	0.500		ug/L			02/07/21 04:53	1
TBA	ND	H	25.0		ug/L			02/07/21 04:53	1
Toluene	ND	H	0.200		ug/L			02/07/21 04:53	1
Xylenes, Total	ND	H	0.500		ug/L			02/07/21 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*02/07/21 04:53*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*02/07/21 04:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*02/07/21 04:53*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*02/07/21 04:53*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		250		ug/L			01/29/21 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*50 - 150*		*01/29/21 16:04*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.00997		ug/L		01/27/21 17:19	01/28/21 16:49	1

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 580-100638-1

Client Sample ID: GW-11218545-012121-FK-MW-11
Date Collected: 01/21/21 12:24
Date Received: 01/21/21 15:30

Lab Sample ID: 580-100638-10
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*108*		*60 - 140*	*01/27/21 17:19*	*01/28/21 16:49*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**140**		103		ug/L		01/27/21 11:08	02/02/21 20:34	1
Motor Oil	ND		329		ug/L		01/27/21 11:08	02/02/21 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*01/27/21 11:08*	*02/02/21 20:34*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0		ug/L		01/26/21 16:58	01/27/21 18:30	1

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 580-100638-1

Client Sample ID: GW-11218545-012121-AW-MW-12

Lab Sample ID: 580-100638-11

Date Collected: 01/21/21 12:41

Matrix: Water

Date Received: 01/21/21 15:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200		ug/L			02/04/21 06:26	1
EDC	ND		0.200		ug/L			02/04/21 06:26	1
Ethylbenzene	ND	*-	0.200		ug/L			02/04/21 06:26	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/04/21 06:26	1
Toluene	ND		0.200		ug/L			02/04/21 06:26	1
Xylenes, Total	ND		0.500		ug/L			02/04/21 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*02/04/21 06:26*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*02/04/21 06:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*80 - 120*		*02/04/21 06:26*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/04/21 06:26*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	0.200		ug/L			02/06/21 09:11	1
EDC	ND	H	0.200		ug/L			02/06/21 09:11	1
Ethylbenzene	ND	H	0.200		ug/L			02/06/21 09:11	1
Methyl tert-butyl ether	ND	H	0.300		ug/L			02/06/21 09:11	1
Toluene	ND	H	0.200		ug/L			02/06/21 09:11	1
Xylenes, Total	ND	H	0.500		ug/L			02/06/21 09:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*02/06/21 09:11*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*02/06/21 09:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*02/06/21 09:11*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*02/06/21 09:11*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		250		ug/L			01/29/21 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*50 - 150*		*01/29/21 16:28*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.00997		ug/L		01/27/21 17:19	01/28/21 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*113*		*60 - 140*	*01/27/21 17:19*	*01/28/21 17:05*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**668**		108		ug/L		01/29/21 11:27	01/29/21 22:53	1
Motor Oil	**995**		345		ug/L		01/29/21 11:27	01/29/21 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*01/29/21 11:27*	*01/29/21 22:53*	*1*

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-012121-AW-MW-12
Lab Sample ID: 580-100638-11
Date Collected: 01/21/21 12:41
Matrix: Water
Date Received: 01/21/21 15:30

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0		ug/L		01/26/21 16:58	01/27/21 18:34	1

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-012121-AW-MW-13
Lab Sample ID: 580-100638-12

Date Collected: 01/21/21 13:17
Matrix: Water
Date Received: 01/21/21 15:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.785**		0.200		ug/L			02/04/21 06:51	1
EDC	ND		0.200		ug/L			02/04/21 06:51	1
Ethylbenzene	ND	*-	0.200		ug/L			02/04/21 06:51	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/04/21 06:51	1
Toluene	ND		0.200		ug/L			02/04/21 06:51	1
Xylenes, Total	ND		0.500		ug/L			02/04/21 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*02/04/21 06:51*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*02/04/21 06:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 120*		*02/04/21 06:51*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/04/21 06:51*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	4.00		ug/L			02/07/21 05:19	20
EDC	ND	H	4.00		ug/L			02/07/21 05:19	20
Ethylbenzene	ND	H	4.00		ug/L			02/07/21 05:19	20
Methyl tert-butyl ether	ND	H	6.00		ug/L			02/07/21 05:19	20
Toluene	ND	H	4.00		ug/L			02/07/21 05:19	20
Xylenes, Total	ND	H	10.0		ug/L			02/07/21 05:19	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*02/07/21 05:19*	*20*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*02/07/21 05:19*	*20*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*02/07/21 05:19*	*20*
Toluene-d8 (Surr)	*95*		*80 - 120*		*02/07/21 05:19*	*20*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		250		ug/L			01/29/21 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*50 - 150*		*01/29/21 16:53*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.0100		ug/L		01/27/21 17:19	01/28/21 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*110*		*60 - 140*	*01/27/21 17:19*	*01/28/21 17:21*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**682**		107		ug/L		01/29/21 11:27	01/29/21 23:13	1
Motor Oil	**1220**		340		ug/L		01/29/21 11:27	01/29/21 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*01/29/21 11:27*	*01/29/21 23:13*	*1*

Client Sample Results

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-012121-AW-MW-13
Lab Sample ID: 580-100638-12
Date Collected: 01/21/21 13:17
Matrix: Water
Date Received: 01/21/21 15:30

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0		ug/L		01/26/21 16:58	01/27/21 18:37	1

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 580-100638-1

Client Sample ID: GW-11218545-012121-FK-MW-14

Lab Sample ID: 580-100638-13

Date Collected: 01/21/21 13:08

Matrix: Water

Date Received: 01/21/21 15:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200		ug/L			02/04/21 07:17	1
Isopropyl Ether (DIPE)	ND	H	2.00		ug/L			02/10/21 16:33	1
EDB	ND		0.100		ug/L			02/04/21 07:17	1
EDC	ND		0.200		ug/L			02/04/21 07:17	1
Ethylbenzene	ND	*-	0.200		ug/L			02/04/21 07:17	1
Ethyl tert-Butyl Ether (ETBE)	ND		0.500		ug/L			02/04/21 07:17	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/04/21 07:17	1
TAME	ND		0.500		ug/L			02/04/21 07:17	1
TBA	ND		25.0		ug/L			02/04/21 07:17	1
Toluene	ND		0.200		ug/L			02/04/21 07:17	1
Xylenes, Total	ND		0.500		ug/L			02/04/21 07:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*02/04/21 07:17*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*02/10/21 16:33*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*02/04/21 07:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*02/04/21 07:17*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*02/10/21 16:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 126*		*02/10/21 16:33*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*02/04/21 07:17*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*02/10/21 16:33*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		250		ug/L			01/29/21 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*50 - 150*		*01/29/21 17:17*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0102		ug/L		02/02/21 18:21	02/03/21 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*104*		*60 - 140*	*02/02/21 18:21*	*02/03/21 11:24*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**473**		104		ug/L		01/29/21 11:27	01/29/21 23:33	1
Motor Oil	**700**		331		ug/L		01/29/21 11:27	01/29/21 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*01/29/21 11:27*	*01/29/21 23:33*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0		ug/L		01/26/21 16:58	01/27/21 18:40	1

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-012121-AW-TB01
Lab Sample ID: 580-100638-14
Date Collected: 01/21/21 12:00
Matrix: Water
Date Received: 01/21/21 15:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200		ug/L			02/03/21 02:39	1
EDC	ND		0.200		ug/L			02/03/21 02:39	1
Ethylbenzene	ND		0.200		ug/L			02/03/21 02:39	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/03/21 02:39	1
Toluene	ND		0.200		ug/L			02/03/21 02:39	1
Xylenes, Total	ND		0.500		ug/L			02/03/21 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*02/03/21 02:39*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*02/03/21 02:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*02/03/21 02:39*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/03/21 02:39*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0101		ug/L		02/02/21 18:21	02/03/21 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*106*		*60 - 140*	*02/02/21 18:21*	*02/03/21 11:40*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-349154/7
Matrix: Water
Analysis Batch: 349154

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200		ug/L			02/02/21 23:14	1
EDC	ND		0.200		ug/L			02/02/21 23:14	1
Ethylbenzene	ND		0.200		ug/L			02/02/21 23:14	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/02/21 23:14	1
Toluene	ND		0.200		ug/L			02/02/21 23:14	1
Xylenes, Total	ND		0.500		ug/L			02/02/21 23:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*02/02/21 23:14*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*02/02/21 23:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*02/02/21 23:14*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*02/02/21 23:14*	*1*

Lab Sample ID: LCS 580-349154/4
Matrix: Water
Analysis Batch: 349154

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			5.00	5.169		ug/L		103	73 - 120		
EDC			5.00	4.698		ug/L		94	74 - 120		
Ethylbenzene			5.00	4.854		ug/L		97	80 - 130		
Methyl tert-butyl ether			5.00	4.895		ug/L		98	73 - 125		
m-Xylene & p-Xylene			5.00	4.626		ug/L		93	86 - 130		
o-Xylene			5.00	4.455		ug/L		89	80 - 133		
Toluene			5.00	5.154		ug/L		103	80 - 126		
Xylenes, Total			10.0	9.081		ug/L		91	73 - 142		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*90*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: LCSD 580-349154/5
Matrix: Water
Analysis Batch: 349154

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			5.00	4.986		ug/L		100	73 - 120	4	10
EDC			5.00	4.836		ug/L		97	74 - 120	3	10
Ethylbenzene			5.00	4.806		ug/L		96	80 - 130	1	10
Methyl tert-butyl ether			5.00	4.860		ug/L		97	73 - 125	1	12
m-Xylene & p-Xylene			5.00	4.755		ug/L		95	86 - 130	3	10
o-Xylene			5.00	4.507		ug/L		90	80 - 133	1	10
Toluene			5.00	4.899		ug/L		98	80 - 126	5	20
Xylenes, Total			10.0	9.262		ug/L		93	73 - 142	2	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-349154/5
Matrix: Water
Analysis Batch: 349154

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 580-349193/17
Matrix: Water
Analysis Batch: 349193

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200		ug/L			02/04/21 02:10	1
EDB	ND		0.100		ug/L			02/04/21 02:10	1
EDC	ND		0.200		ug/L			02/04/21 02:10	1
Ethylbenzene	ND		0.200		ug/L			02/04/21 02:10	1
Ethyl tert-Butyl Ether (ETBE)	ND		0.500		ug/L			02/04/21 02:10	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/04/21 02:10	1
TAME	ND		0.500		ug/L			02/04/21 02:10	1
TBA	ND		25.0		ug/L			02/04/21 02:10	1
Toluene	ND		0.200		ug/L			02/04/21 02:10	1
Xylenes, Total	ND		0.500		ug/L			02/04/21 02:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*02/04/21 02:10*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*02/04/21 02:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*02/04/21 02:10*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/04/21 02:10*	*1*

Lab Sample ID: LCS 580-349193/15
Matrix: Water
Analysis Batch: 349193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	5.00	4.227		ug/L		85	73 - 120
EDB	5.00	4.098		ug/L		82	80 - 126
EDC	5.00	4.359		ug/L		87	74 - 120
Ethylbenzene	5.00	3.803	*-	ug/L		76	80 - 130
Ethyl tert-Butyl Ether (ETBE)	6.25	5.128		ug/L		82	66 - 150
Methyl tert-butyl ether	5.00	4.231		ug/L		85	73 - 125
m-Xylene & p-Xylene	5.00	3.695	*-	ug/L		74	86 - 130
o-Xylene	5.00	4.081		ug/L		82	80 - 133
TAME	6.25	5.115		ug/L		82	60 - 150
TBA	50.0	46.84		ug/L		94	54 - 150
Toluene	5.00	4.084		ug/L		82	80 - 126
Xylenes, Total	10.0	7.776		ug/L		78	73 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-349193/15
Matrix: Water
Analysis Batch: 349193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 580-349193/16
Matrix: Water
Analysis Batch: 349193

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			5.00	4.200		ug/L		84	73 - 120	1	10
EDB			5.00	4.150		ug/L		83	80 - 126	1	11
EDC			5.00	4.208		ug/L		84	74 - 120	4	10
Ethylbenzene			5.00	3.854	*-	ug/L		77	80 - 130	1	10
Ethyl tert-Butyl Ether (ETBE)			6.25	5.103		ug/L		82	66 - 150	0	20
Methyl tert-butyl ether			5.00	4.288		ug/L		86	73 - 125	1	12
m-Xylene & p-Xylene			5.00	3.831	*-	ug/L		77	86 - 130	4	10
o-Xylene			5.00	4.175		ug/L		84	80 - 133	2	10
TAME			6.25	5.038		ug/L		81	60 - 150	2	20
TBA			50.0	41.68		ug/L		83	54 - 150	12	18
Toluene			5.00	4.121		ug/L		82	80 - 126	1	20
Xylenes, Total			10.0	8.006		ug/L		80	73 - 142	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 580-349383/7
Matrix: Water
Analysis Batch: 349383

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200		ug/L			02/06/21 08:45	1
EDC	ND		0.200		ug/L			02/06/21 08:45	1
Ethylbenzene	ND		0.200		ug/L			02/06/21 08:45	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/06/21 08:45	1
Toluene	ND		0.200		ug/L			02/06/21 08:45	1
Xylenes, Total	ND		0.500		ug/L			02/06/21 08:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*02/06/21 08:45*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*02/06/21 08:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*02/06/21 08:45*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/06/21 08:45*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-349383/4
Matrix: Water
Analysis Batch: 349383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			5.00	5.279		ug/L		106	73 - 120		
EDC			5.00	5.423		ug/L		108	74 - 120		
Ethylbenzene			5.00	5.443		ug/L		109	80 - 130		
Methyl tert-butyl ether			5.00	5.197		ug/L		104	73 - 125		
m-Xylene & p-Xylene			5.00	5.308		ug/L		106	86 - 130		
o-Xylene			5.00	5.369		ug/L		107	80 - 133		
Toluene			5.00	5.334		ug/L		107	80 - 126		
Xylenes, Total			10.0	10.68		ug/L		107	73 - 142		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 580-349383/5
Matrix: Water
Analysis Batch: 349383

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			5.00	5.210		ug/L		104	73 - 120	1	10
EDC			5.00	5.376		ug/L		108	74 - 120	1	10
Ethylbenzene			5.00	5.317		ug/L		106	80 - 130	2	10
Methyl tert-butyl ether			5.00	5.197		ug/L		104	73 - 125	0	12
m-Xylene & p-Xylene			5.00	5.376		ug/L		108	86 - 130	1	10
o-Xylene			5.00	5.235		ug/L		105	80 - 133	3	10
Toluene			5.00	5.255		ug/L		105	80 - 126	1	20
Xylenes, Total			10.0	10.61		ug/L		106	73 - 142	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 580-349421/7
Matrix: Water
Analysis Batch: 349421

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200		ug/L			02/06/21 21:10	1
EDB	ND		0.100		ug/L			02/06/21 21:10	1
EDC	ND		0.200		ug/L			02/06/21 21:10	1
Ethylbenzene	ND		0.200		ug/L			02/06/21 21:10	1
Ethyl tert-Butyl Ether (ETBE)	ND		0.500		ug/L			02/06/21 21:10	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/06/21 21:10	1
TAME	ND		0.500		ug/L			02/06/21 21:10	1
TBA	ND		25.0		ug/L			02/06/21 21:10	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-349421/7
Matrix: Water
Analysis Batch: 349421

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.200		ug/L			02/06/21 21:10	1
Xylenes, Total	ND		0.500		ug/L			02/06/21 21:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*02/06/21 21:10*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*02/06/21 21:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*02/06/21 21:10*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/06/21 21:10*	*1*

Lab Sample ID: LCS 580-349421/4
Matrix: Water
Analysis Batch: 349421

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	5.00	5.310		ug/L		106	73 - 120
EDB	5.00	5.543		ug/L		111	80 - 126
EDC	5.00	5.044		ug/L		101	74 - 120
Ethylbenzene	5.00	5.098		ug/L		102	80 - 130
Ethyl tert-Butyl Ether (ETBE)	6.25	5.839		ug/L		93	66 - 150
Methyl tert-butyl ether	5.00	4.866		ug/L		97	73 - 125
m-Xylene & p-Xylene	5.00	5.093		ug/L		102	86 - 130
o-Xylene	5.00	4.914		ug/L		98	80 - 133
TAME	6.25	5.831		ug/L		93	60 - 150
TBA	50.0	59.26		ug/L		119	54 - 150
Toluene	5.00	5.346		ug/L		107	80 - 126
Xylenes, Total	10.0	10.01		ug/L		100	73 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 580-349421/5
Matrix: Water
Analysis Batch: 349421

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	5.00	5.139		ug/L		103	73 - 120	3	10
EDB	5.00	5.342		ug/L		107	80 - 126	4	11
EDC	5.00	5.002		ug/L		100	74 - 120	1	10
Ethylbenzene	5.00	4.918		ug/L		98	80 - 130	4	10
Ethyl tert-Butyl Ether (ETBE)	6.25	5.670		ug/L		91	66 - 150	3	20
Methyl tert-butyl ether	5.00	4.703		ug/L		94	73 - 125	3	12
m-Xylene & p-Xylene	5.00	4.855		ug/L		97	86 - 130	5	10
o-Xylene	5.00	4.813		ug/L		96	80 - 133	2	10
TAME	6.25	5.684		ug/L		91	60 - 150	3	20
TBA	50.0	54.88		ug/L		110	54 - 150	8	18

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-349421/5
Matrix: Water
Analysis Batch: 349421

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			5.00	5.201		ug/L		104	80 - 126	3	20
Xylenes, Total			10.0	9.668		ug/L		97	73 - 142	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 580-349469/7
Matrix: Water
Analysis Batch: 349469

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200		ug/L			02/09/21 00:27	1
EDB	ND		0.100		ug/L			02/09/21 00:27	1
EDC	ND		0.200		ug/L			02/09/21 00:27	1
Ethylbenzene	ND		0.200		ug/L			02/09/21 00:27	1
Ethyl tert-Butyl Ether (ETBE)	ND		0.500		ug/L			02/09/21 00:27	1
Methyl tert-butyl ether	ND		0.300		ug/L			02/09/21 00:27	1
TAME	ND		0.500		ug/L			02/09/21 00:27	1
TBA	ND		25.0		ug/L			02/09/21 00:27	1
Toluene	ND		0.200		ug/L			02/09/21 00:27	1
Xylenes, Total	ND		0.500		ug/L			02/09/21 00:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*02/09/21 00:27*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*02/09/21 00:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*02/09/21 00:27*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/09/21 00:27*	*1*

Lab Sample ID: LCS 580-349469/4
Matrix: Water
Analysis Batch: 349469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			5.00	4.730		ug/L		95	73 - 120		
EDB			5.00	5.327		ug/L		107	80 - 126		
EDC			5.00	4.894		ug/L		98	74 - 120		
Ethylbenzene			5.00	4.507		ug/L		90	80 - 130		
Ethyl tert-Butyl Ether (ETBE)			6.25	5.046		ug/L		81	66 - 150		
Methyl tert-butyl ether			5.00	4.032		ug/L		81	73 - 125		
m-Xylene & p-Xylene			5.00	4.517		ug/L		90	86 - 130		
o-Xylene			5.00	4.319		ug/L		86	80 - 133		
TAME			6.25	5.224		ug/L		84	60 - 150		
TBA			50.0	54.52		ug/L		109	54 - 150		
Toluene			5.00	4.728		ug/L		95	80 - 126		
Xylenes, Total			10.0	8.836		ug/L		88	73 - 142		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-349469/4
Matrix: Water
Analysis Batch: 349469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 580-349469/5
Matrix: Water
Analysis Batch: 349469

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			5.00	4.567		ug/L		91	73 - 120	4	10
EDB			5.00	5.235		ug/L		105	80 - 126	2	11
EDC			5.00	4.659		ug/L		93	74 - 120	5	10
Ethylbenzene			5.00	4.290		ug/L		86	80 - 130	5	10
Ethyl tert-Butyl Ether (ETBE)			6.25	4.964		ug/L		79	66 - 150	2	20
Methyl tert-butyl ether			5.00	3.944		ug/L		79	73 - 125	2	12
m-Xylene & p-Xylene			5.00	4.339		ug/L		87	86 - 130	4	10
o-Xylene			5.00	4.169		ug/L		83	80 - 133	4	10
TAME			6.25	5.071		ug/L		81	60 - 150	3	20
TBA			50.0	50.85		ug/L		102	54 - 150	7	18
Toluene			5.00	4.510		ug/L		90	80 - 126	5	20
Xylenes, Total			10.0	8.508		ug/L		85	73 - 142	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 580-349537/7
Matrix: Water
Analysis Batch: 349537

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl Ether (DIPE)	ND		2.00		ug/L			02/09/21 15:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*02/09/21 15:58*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*02/09/21 15:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 126*		*02/09/21 15:58*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/09/21 15:58*	*1*

Lab Sample ID: LCS 580-349537/4
Matrix: Water
Analysis Batch: 349537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Isopropyl Ether (DIPE)			12.5	10.22		ug/L		82	62 - 144		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	98		80 - 120
1,2-Dichloroethane-d4 (Surr)	97		80 - 126
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 580-349537/5
Matrix: Water
Analysis Batch: 349537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropyl Ether (DIPE)			12.5	10.33		ug/L		83	62 - 144	1	13

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	97		80 - 120
1,2-Dichloroethane-d4 (Surr)	96		80 - 126
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: 580-100901-C-1 MS
Matrix: Water
Analysis Batch: 349537

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Isopropyl Ether (DIPE)	ND		6250	5775		ug/L		92	62 - 144		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	97		80 - 126
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: 580-100901-C-1 MSD
Matrix: Water
Analysis Batch: 349537

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropyl Ether (DIPE)	ND		6250	5327		ug/L		85	62 - 144	8	13

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	97		80 - 120
1,2-Dichloroethane-d4 (Surr)	96		80 - 126
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: MB 580-349618/7
Matrix: Water
Analysis Batch: 349618

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl Ether (DIPE)	ND		2.00		ug/L			02/10/21 15:34	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-349618/7
Matrix: Water
Analysis Batch: 349618

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120		02/10/21 15:34	1
Dibromofluoromethane (Surr)	102		80 - 120		02/10/21 15:34	1
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		02/10/21 15:34	1
Toluene-d8 (Surr)	101		80 - 120		02/10/21 15:34	1

Lab Sample ID: LCS 580-349618/4
Matrix: Water
Analysis Batch: 349618

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Isopropyl Ether (DIPE)			12.5	11.28		ug/L		90	62 - 144		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	96		80 - 120
1,2-Dichloroethane-d4 (Surr)	97		80 - 126
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 580-349618/5
Matrix: Water
Analysis Batch: 349618

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropyl Ether (DIPE)			12.5	11.27		ug/L		90	62 - 144	0	13

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
1,2-Dichloroethane-d4 (Surr)	97		80 - 126
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: 580-100923-E-9 MS
Matrix: Water
Analysis Batch: 349618

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Isopropyl Ether (DIPE)	ND		12.5	10.93		ug/L		87	62 - 144		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	98		80 - 120
1,2-Dichloroethane-d4 (Surr)	97		80 - 126
Toluene-d8 (Surr)	98		80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 580-100923-F-9 MSD
Matrix: Water
Analysis Batch: 349618

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropyl Ether (DIPE)	ND		12.5	11.54		ug/L		92	62 - 144	5	13

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 126*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-348639/30
Matrix: Water
Analysis Batch: 348639

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		250		ug/L			01/27/21 22:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*50 - 150*		*01/27/21 22:33*	*1*

Lab Sample ID: MB 580-348639/4
Matrix: Water
Analysis Batch: 348639

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		250		ug/L			01/27/21 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*50 - 150*		*01/27/21 12:00*	*1*

Lab Sample ID: LCS 580-348639/32
Matrix: Water
Analysis Batch: 348639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
TPH as Gasoline			1000	954.5		ug/L		95	79 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*50 - 150*

Lab Sample ID: LCS 580-348639/5
Matrix: Water
Analysis Batch: 348639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
TPH as Gasoline			1000	966.5		ug/L		97	79 - 120		

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 580-348639/5
Matrix: Water
Analysis Batch: 348639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		50 - 150

Lab Sample ID: LCSD 580-348639/31
Matrix: Water
Analysis Batch: 348639

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TPH as Gasoline			1000	967.3		ug/L		97	79 - 120	1	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		50 - 150

Lab Sample ID: LCSD 580-348639/6
Matrix: Water
Analysis Batch: 348639

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TPH as Gasoline			1000	1006		ug/L		101	79 - 120	4	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		50 - 150

Lab Sample ID: MB 580-348995/4
Matrix: Water
Analysis Batch: 348995

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		250		ug/L			01/29/21 14:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		50 - 150		01/29/21 14:02	1

Lab Sample ID: LCS 580-348995/5
Matrix: Water
Analysis Batch: 348995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
TPH as Gasoline			1000	941.1		ug/L		94	79 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		50 - 150

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCSD 580-348995/6
Matrix: Water
Analysis Batch: 348995

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TPH as Gasoline			1000	974.9		ug/L		97	79 - 120	4	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*50 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 580-348679/1-A
Matrix: Water
Analysis Batch: 348728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100		ug/L		12/22/20 15:38	01/28/21 13:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*111*		*60 - 140*	*12/22/20 15:38*	*01/28/21 13:06*	*1*

Lab Sample ID: LCS 580-348679/2-A
Matrix: Water
Analysis Batch: 348728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348679

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylene Dibromide			0.0576	0.06863		ug/L		119	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dibromopropane	*108*		*60 - 140*

Lab Sample ID: LCSD 580-348679/3-A
Matrix: Water
Analysis Batch: 348728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 348679

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide			0.0576	0.06841		ug/L		119	60 - 140	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dibromopropane	*102*		*60 - 140*

Lab Sample ID: LLCS 580-348679/4-A
Matrix: Water
Analysis Batch: 348728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348679

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylene Dibromide			0.0115	0.06613	*+	ug/L		574	60 - 145		

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dibromopropane	*98*		*60 - 140*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: MB 580-349071/1-A
Matrix: Water
Analysis Batch: 349085

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 349071

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100		ug/L		02/02/21 18:21	02/03/21 10:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*107*		*60 - 140*	*02/02/21 18:21*	*02/03/21 10:21*	*1*

Lab Sample ID: LCS 580-349071/2-A
Matrix: Water
Analysis Batch: 349085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 349071

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylene Dibromide			0.0576	0.06089		ug/L		106	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dibromopropane	*101*		*60 - 140*

Lab Sample ID: LCSD 580-349071/3-A
Matrix: Water
Analysis Batch: 349085

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 349071

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide			0.0576	0.06679		ug/L		116	60 - 140	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dibromopropane	*108*		*60 - 140*

Lab Sample ID: LLCS 580-349071/4-A
Matrix: Water
Analysis Batch: 349085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 349071

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylene Dibromide			0.0115	0.01194		ug/L		104	60 - 145		

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dibromopropane	*104*		*60 - 140*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Lab Sample ID: MB 580-348648/1-A
Matrix: Water
Analysis Batch: 348715

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348648

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	ND		110		ug/L		01/27/21 11:08	01/28/21 21:30	1
Motor Oil	ND		350		ug/L		01/27/21 11:08	01/28/21 21:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*01/27/21 11:08*	*01/28/21 21:30*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx (Continued)

Lab Sample ID: LCS 580-348648/2-A
Matrix: Water
Analysis Batch: 348715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348648

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (C10-C24)			2000	1657		ug/L		83	50 - 120		
Motor Oil			2000	2080		ug/L		104	64 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*104*		*50 - 150*

Lab Sample ID: LCSD 580-348648/3-A
Matrix: Water
Analysis Batch: 348715

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 348648

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (C10-C24)			2000	1770		ug/L		88	50 - 120	7	26
Motor Oil			2000	2100		ug/L		105	64 - 120	1	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*103*		*50 - 150*

Lab Sample ID: MB 580-348818/1-A
Matrix: Water
Analysis Batch: 348892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348818

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	ND		110		ug/L		01/29/21 11:27	01/29/21 21:54	1
Motor Oil	ND		350		ug/L		01/29/21 11:27	01/29/21 21:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 150*	*01/29/21 11:27*	*01/29/21 21:54*	*1*

Lab Sample ID: LCS 580-348818/2-A
Matrix: Water
Analysis Batch: 348892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348818

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (C10-C24)			2000	1753		ug/L		88	50 - 120		
Motor Oil			2000	1913		ug/L		96	64 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*93*		*50 - 150*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx (Continued)

Lab Sample ID: LCSD 580-348818/3-A
Matrix: Water
Analysis Batch: 348892

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 348818

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (C10-C24)			2000	1906		ug/L		95	50 - 120	8	26
Motor Oil			2000	1985		ug/L		99	64 - 120	4	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*97*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-348605/24-A
Matrix: Water
Analysis Batch: 348797

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 348605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0		ug/L		01/26/21 16:58	01/27/21 17:11	1

Lab Sample ID: LCS 580-348605/25-A
Matrix: Water
Analysis Batch: 348797

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 348605

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			1000	1035		ug/L		104	80 - 120		

Lab Sample ID: LCSD 580-348605/26-A
Matrix: Water
Analysis Batch: 348797

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 348605

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			1000	1063		ug/L		106	80 - 120	3	20

Lab Sample ID: 580-100527-D-11-C MS
Matrix: Water
Analysis Batch: 348797

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 348605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	ND		1000	1041		ug/L		104	80 - 120		

Lab Sample ID: 580-100527-D-11-D MSD
Matrix: Water
Analysis Batch: 348797

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 348605

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		1000	1061		ug/L		106	80 - 120	2	20

Lab Sample ID: 580-100527-D-11-B DU
Matrix: Water
Analysis Batch: 348797

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 348605

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	ND		ND		ug/L		NC	20

Lab Chronicle

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-012121-FK-MW-3
Lab Sample ID: 580-100638-1
Date Collected: 01/21/21 00:01
Matrix: Water
Date Received: 01/21/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	349193	02/04/21 07:42	CJB	TAL SEA
Total/NA	Analysis	8260D	RA	1	349421	02/07/21 01:02	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	348639	01/27/21 19:18	CJ	TAL SEA
Total/NA	Prep	8011			348679	01/27/21 17:19	S1S	TAL SEA
Total/NA	Analysis	8011		1	348728	01/28/21 14:10	TL1	TAL SEA
Total/NA	Prep	3510C			348648	01/27/21 11:08	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	348715	01/29/21 01:11	W1T	TAL SEA
Dissolved	Prep	3005A			348605	01/26/21 16:58	TMH	TAL SEA
Dissolved	Analysis	6010D		1	348797	01/27/21 17:55	TMH	TAL SEA

Client Sample ID: GW-11218545-012121-AW-MW-2
Lab Sample ID: 580-100638-2
Date Collected: 01/21/21 10:46
Matrix: Water
Date Received: 01/21/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	349537	02/09/21 21:22	CJB	TAL SEA
Total/NA	Analysis	8260D		1	349193	02/04/21 02:35	CJB	TAL SEA
Total/NA	Analysis	8260D	DL	20	349421	02/07/21 01:27	K1G	TAL SEA
Total/NA	Analysis	8260D	DL	100	349469	02/09/21 01:44	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	348639	01/27/21 19:43	CJ	TAL SEA
Total/NA	Prep	8011			348679	01/27/21 17:19	S1S	TAL SEA
Total/NA	Analysis	8011		1	348728	01/28/21 14:26	TL1	TAL SEA
Total/NA	Prep	3510C			348648	01/27/21 11:08	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	348715	01/29/21 01:32	W1T	TAL SEA
Dissolved	Prep	3005A			348605	01/26/21 16:58	TMH	TAL SEA
Dissolved	Analysis	6010D		1	348797	01/27/21 17:58	TMH	TAL SEA

Client Sample ID: GW-11218545-012121-AW-MW-4
Lab Sample ID: 580-100638-3
Date Collected: 01/21/21 12:02
Matrix: Water
Date Received: 01/21/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	349193	02/04/21 03:01	CJB	TAL SEA
Total/NA	Analysis	8260D	RA	1	349421	02/07/21 01:53	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	348639	01/27/21 20:07	CJ	TAL SEA
Total/NA	Prep	8011			348679	01/27/21 17:19	S1S	TAL SEA
Total/NA	Analysis	8011		1	348728	01/28/21 14:42	TL1	TAL SEA
Total/NA	Prep	3510C			348648	01/27/21 11:08	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	348715	01/29/21 01:52	W1T	TAL SEA
Dissolved	Prep	3005A			348605	01/26/21 16:58	TMH	TAL SEA
Dissolved	Analysis	6010D		1	348797	01/27/21 18:01	TMH	TAL SEA

Lab Chronicle

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-012121-FK-MW-5
Lab Sample ID: 580-100638-4
Date Collected: 01/21/21 13:45
Matrix: Water
Date Received: 01/21/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	349193	02/04/21 03:27	CJB	TAL SEA
Total/NA	Analysis	8260D	RA	1	349421	02/07/21 02:19	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	348639	01/27/21 20:56	CJ	TAL SEA
Total/NA	Prep	8011			348679	01/27/21 17:19	S1S	TAL SEA
Total/NA	Analysis	8011		1	348728	01/28/21 14:57	TL1	TAL SEA
Total/NA	Prep	3510C			348648	01/27/21 11:08	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		2	349068	02/02/21 18:33	TL1	TAL SEA
Dissolved	Prep	3005A			348605	01/26/21 16:58	TMH	TAL SEA
Dissolved	Analysis	6010D		1	348797	01/27/21 18:04	TMH	TAL SEA

Client Sample ID: GW-11218545-012121-AW-MW-6
Lab Sample ID: 580-100638-5
Date Collected: 01/21/21 11:27
Matrix: Water
Date Received: 01/21/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	349193	02/04/21 03:52	CJB	TAL SEA
Total/NA	Analysis	8260D	RA	1	349421	02/07/21 02:45	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	348639	01/27/21 21:20	CJ	TAL SEA
Total/NA	Prep	8011			348679	01/27/21 17:19	S1S	TAL SEA
Total/NA	Analysis	8011		1	348728	01/28/21 15:13	TL1	TAL SEA
Total/NA	Prep	3510C			348648	01/27/21 11:08	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		2	349068	02/02/21 18:53	TL1	TAL SEA
Dissolved	Prep	3005A			348605	01/26/21 16:58	TMH	TAL SEA
Dissolved	Analysis	6010D		1	348797	01/27/21 18:08	TMH	TAL SEA

Client Sample ID: GW-11218545-012121-AW-MW-7
Lab Sample ID: 580-100638-6
Date Collected: 01/21/21 10:01
Matrix: Water
Date Received: 01/21/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	349193	02/04/21 04:18	CJB	TAL SEA
Total/NA	Analysis	8260D	RA	20	349421	02/07/21 03:10	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	348639	01/27/21 21:44	CJ	TAL SEA
Total/NA	Prep	8011			348679	01/27/21 17:19	S1S	TAL SEA
Total/NA	Analysis	8011		1	348728	01/28/21 15:29	TL1	TAL SEA
Total/NA	Prep	3510C			348648	01/27/21 11:08	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		2	349068	02/02/21 19:14	TL1	TAL SEA
Dissolved	Prep	3005A			348605	01/26/21 16:58	TMH	TAL SEA
Dissolved	Analysis	6010D		1	348797	01/27/21 18:11	TMH	TAL SEA

Client Sample ID: GW-11218545-012121-FK-MW-8
Lab Sample ID: 580-100638-7

Date Collected: 01/21/21 09:56
Matrix: Water
Date Received: 01/21/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	349193	02/04/21 04:43	CJB	TAL SEA
Total/NA	Analysis	8260D	RA	1	349421	02/07/21 03:36	K1G	TAL SEA
Total/NA	Analysis	8260D	DL	10	349469	02/09/21 02:09	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	348639	01/27/21 23:45	CJ	TAL SEA
Total/NA	Prep	8011			348679	01/27/21 17:19	S1S	TAL SEA
Total/NA	Analysis	8011		1	348728	01/28/21 16:01	TL1	TAL SEA
Total/NA	Prep	3510C			348648	01/27/21 11:08	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	349068	02/02/21 19:34	TL1	TAL SEA
Dissolved	Prep	3005A			348605	01/26/21 16:58	TMH	TAL SEA
Dissolved	Analysis	6010D		1	348797	01/27/21 18:14	TMH	TAL SEA

Client Sample ID: GW-11218545-012121-FK-MW-9
Lab Sample ID: 580-100638-8

Date Collected: 01/21/21 11:43
Matrix: Water
Date Received: 01/21/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	349193	02/04/21 05:09	CJB	TAL SEA
Total/NA	Analysis	8260D	RA	1	349421	02/07/21 04:02	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	348639	01/28/21 00:10	CJ	TAL SEA
Total/NA	Prep	8011			348679	01/27/21 17:19	S1S	TAL SEA
Total/NA	Analysis	8011		1	348728	01/28/21 16:17	TL1	TAL SEA
Total/NA	Prep	3510C			348648	01/27/21 11:08	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	349068	02/02/21 19:54	TL1	TAL SEA
Dissolved	Prep	3005A			348605	01/26/21 16:58	TMH	TAL SEA
Dissolved	Analysis	6010D		1	348797	01/27/21 18:17	TMH	TAL SEA

Client Sample ID: GW-11218545-012121-FK-MW-10
Lab Sample ID: 580-100638-9

Date Collected: 01/21/21 10:33
Matrix: Water
Date Received: 01/21/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	349193	02/04/21 05:35	CJB	TAL SEA
Total/NA	Analysis	8260D	RA	1	349421	02/07/21 04:28	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	348995	01/29/21 15:40	JSM	TAL SEA
Total/NA	Prep	8011			348679	01/27/21 17:19	S1S	TAL SEA
Total/NA	Analysis	8011		1	348728	01/28/21 16:33	TL1	TAL SEA
Total/NA	Prep	3510C			348648	01/27/21 11:08	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		3	349068	02/02/21 20:14	TL1	TAL SEA
Dissolved	Prep	3005A			348605	01/26/21 16:58	TMH	TAL SEA
Dissolved	Analysis	6010D		1	348797	01/27/21 18:27	TMH	TAL SEA

Client Sample ID: GW-11218545-012121-FK-MW-11
Lab Sample ID: 580-100638-10

Date Collected: 01/21/21 12:24
Matrix: Water
Date Received: 01/21/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	349537	02/09/21 21:47	CJB	TAL SEA
Total/NA	Analysis	8260D		1	349193	02/04/21 06:00	CJB	TAL SEA
Total/NA	Analysis	8260D	RA	1	349421	02/07/21 04:53	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	348995	01/29/21 16:04	JSM	TAL SEA
Total/NA	Prep	8011			348679	01/27/21 17:19	S1S	TAL SEA
Total/NA	Analysis	8011		1	348728	01/28/21 16:49	TL1	TAL SEA
Total/NA	Prep	3510C			348648	01/27/21 11:08	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	349068	02/02/21 20:34	TL1	TAL SEA
Dissolved	Prep	3005A			348605	01/26/21 16:58	TMH	TAL SEA
Dissolved	Analysis	6010D		1	348797	01/27/21 18:30	TMH	TAL SEA

Client Sample ID: GW-11218545-012121-AW-MW-12
Lab Sample ID: 580-100638-11

Date Collected: 01/21/21 12:41
Matrix: Water
Date Received: 01/21/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	349193	02/04/21 06:26	CJB	TAL SEA
Total/NA	Analysis	8260D	RA	1	349383	02/06/21 09:11	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	348995	01/29/21 16:28	JSM	TAL SEA
Total/NA	Prep	8011			348679	01/27/21 17:19	S1S	TAL SEA
Total/NA	Analysis	8011		1	348728	01/28/21 17:05	TL1	TAL SEA
Total/NA	Prep	3510C			348818	01/29/21 11:27	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	348892	01/29/21 22:53	T1W	TAL SEA
Dissolved	Prep	3005A			348605	01/26/21 16:58	TMH	TAL SEA
Dissolved	Analysis	6010D		1	348797	01/27/21 18:34	TMH	TAL SEA

Client Sample ID: GW-11218545-012121-AW-MW-13
Lab Sample ID: 580-100638-12

Date Collected: 01/21/21 13:17
Matrix: Water
Date Received: 01/21/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	349193	02/04/21 06:51	CJB	TAL SEA
Total/NA	Analysis	8260D	RA	20	349421	02/07/21 05:19	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	348995	01/29/21 16:53	JSM	TAL SEA
Total/NA	Prep	8011			348679	01/27/21 17:19	S1S	TAL SEA
Total/NA	Analysis	8011		1	348728	01/28/21 17:21	TL1	TAL SEA
Total/NA	Prep	3510C			348818	01/29/21 11:27	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	348892	01/29/21 23:13	T1W	TAL SEA
Dissolved	Prep	3005A			348605	01/26/21 16:58	TMH	TAL SEA
Dissolved	Analysis	6010D		1	348797	01/27/21 18:37	TMH	TAL SEA

Lab Chronicle

Client: GHD Services Inc. Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-012121-FK-MW-14 Lab Sample ID: 580-100638-13

Date Collected: 01/21/21 13:08 **Matrix: Water**
Date Received: 01/21/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	349618	02/10/21 16:33	TL1	TAL SEA
Total/NA	Analysis	8260D		1	349193	02/04/21 07:17	CJB	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	348995	01/29/21 17:17	JSM	TAL SEA
Total/NA	Prep	8011			349071	02/02/21 18:21	S1S	TAL SEA
Total/NA	Analysis	8011		1	349085	02/03/21 11:24	KJG	TAL SEA
Total/NA	Prep	3510C			348818	01/29/21 11:27	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	348892	01/29/21 23:33	T1W	TAL SEA
Dissolved	Prep	3005A			348605	01/26/21 16:58	TMH	TAL SEA
Dissolved	Analysis	6010D		1	348797	01/27/21 18:40	TMH	TAL SEA

Client Sample ID: GW-11218545-012121-AW-TB01 Lab Sample ID: 580-100638-14

Date Collected: 01/21/21 12:00 **Matrix: Water**
Date Received: 01/21/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	349154	02/03/21 02:39	T1W	TAL SEA
Total/NA	Prep	8011			349071	02/02/21 18:21	S1S	TAL SEA
Total/NA	Analysis	8011		1	349085	02/03/21 11:40	KJG	TAL SEA

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Laboratory: Eurofins TestAmerica, Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	WA100007	11-05-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	TBA

Washington	State	C553	02-18-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	TBA

Sample Summary

Client: GHD Services Inc.
Job ID: 580-100638-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-100638-1	GW-11218545-012121-FK-MW-3	Water	01/21/21 00:01	01/21/21 15:30	
580-100638-2	GW-11218545-012121-AW-MW-2	Water	01/21/21 10:46	01/21/21 15:30	
580-100638-3	GW-11218545-012121-AW-MW-4	Water	01/21/21 12:02	01/21/21 15:30	
580-100638-4	GW-11218545-012121-FK-MW-5	Water	01/21/21 13:45	01/21/21 15:30	
580-100638-5	GW-11218545-012121-AW-MW-6	Water	01/21/21 11:27	01/21/21 15:30	
580-100638-6	GW-11218545-012121-AW-MW-7	Water	01/21/21 10:01	01/21/21 15:30	
580-100638-7	GW-11218545-012121-FK-MW-8	Water	01/21/21 09:56	01/21/21 15:30	
580-100638-8	GW-11218545-012121-FK-MW-9	Water	01/21/21 11:43	01/21/21 15:30	
580-100638-9	GW-11218545-012121-FK-MW-10	Water	01/21/21 10:33	01/21/21 15:30	
580-100638-10	GW-11218545-012121-FK-MW-11	Water	01/21/21 12:24	01/21/21 15:30	
580-100638-11	GW-11218545-012121-AW-MW-12	Water	01/21/21 12:41	01/21/21 15:30	
580-100638-12	GW-11218545-012121-AW-MW-13	Water	01/21/21 13:17	01/21/21 15:30	
580-100638-13	GW-11218545-012121-FK-MW-14	Water	01/21/21 13:08	01/21/21 15:30	
580-100638-14	GW-11218545-012121-AW-TB01	Water	01/21/21 12:00	01/21/21 15:30	

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

Please Check Appropriate Box:

☐ GW FDG	☐ PIPELINE	☑ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☐ OTHER	

Print Bill To Contact Name: Emily Blakeway

PO #:

PlaNet Site or Project ID:

GSAP Project ID:

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 1/21/21

PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

ADDRESS: 1680 Rogers Ave., San Jose, CA

PROJECT CONTACT (Hardcopy or PDF Report to): Emily Blakeway

TELEPHONE: (425) 563-6502

FAX:

Bill To Contact E-MAIL: emily.blakeway@ghd.com

SITE ADDRESS: Street and City: 1349 NW State St., Chehalis

State: WA

GHD Project / Task Number: 11218545

EDF DELIVERABLE TO (Name, Company, Office Location): Emily Blakeway, GHD, Seattle

PHONE NO.: (425) 563-6502

E-MAIL: emily.blakeway@ghd.com

AECOM Other ID:

SAMPLER NAME(S) (Print): Foster Koetzel Andrew Wuser

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

UNIT COST: LAB-55 BTEX; St LAB-123 - WA NW Dx Water; LAB-35 MTBE; LAB-36 TBA; LAB-36 TBA; LAB-37 DIPE; LAB-38 TAME; LAB-39 ETBE; TPH-D

NON-UNIT COST: WA - NWTPH-Gx; Total Lead; Dissolved Lead (Field Filtered); EDB (8011); EDC

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.
	GW-11218545-012121-FK-MW3	1/21		GW	8	1		3		12
	GW-11218545-012121-AW-MW2	1/21	1046	GW	8	1		3		12
	GW-11218545-012121-AW-MW4	1/21	1202	GW	8	1		3		12
	GW-11218545-012121-FK-MW5	1/21	1345	GW	8	1		3		12
	GW-11218545-012121-AW-MW6	1/21	1127	GW	8	1		3		12
	GW-11218545-012121-AW-MW7	1/21	1001	GW	8	1		3		12
	GW-11218545-012121-FK-MW8	1/21	0956	GW	8	1		3		12
	GW-11218545-012121-FK-MW9	1/21	1143	GW	8	1		3		12
	GW-11218545-012121-FK-MW10	1/21	1033	GW	8	1		3		12
	GW-11218545-012121-FK-MW11	1/21	1229	GW	8	1		3		12

Relinquished by: (Signature) 1530 1/21/21

Received by: (Signature)

Date: 1-21-21 Time: 1530

Relinquished by: (Signature)

Received by: (Signature)

Date: Time:

Therm. ID: 8 Cor: 1.5 ° Unc: 1.8 °
Cooler Dsc: LB
Packing:
Cust. Seal: Yes No
Blue Ice, Wet, Dry, None
FedEx:
UPS:
Lab Cour:
Other: CD

Therm. ID: 4 Cor: 1.1 ° Unc: 1.4 °
Cooler Dsc: LB
Packing:
Cust. Seal: Yes No
Blue Ice, Wet, Dry, None
FedEx:
UPS:
Lab Cour:
Other:

580-100638 Chain of Custody

Dec15

2/17/2021

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

Please Check Appropriate Box:

☐ GW FDG	☐ PIPELINE	☑ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☐ OTHER _____	

Print Bill To Contact Name: Emily Blakeway

PO #:

PlaNet Site or Project ID:

GSAP Project ID:

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 1/21/21

PAGE: 2 of 2

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS: Street and City: 1349 NW State St., Chehalis

State: WA

GHD Project / Task Number: 11218545

ADDRESS: 1680 Rogers Ave., San Jose, CA

EDF DELIVERABLE TO (Name, Company, Office Location): Emily Blakeway, GHD, Seattle

PHONE NO.: (425) 563-6502

E-MAIL: emily.blakeway@ghd.com

AECOM Other ID:

PROJECT CONTACT (Hardcopy or PDF Report to): Emily Blakeway

SAMPLER NAME(S) (Print): Foster Koetzel Andrew Luser

LAB USE ONLY

TELEPHONE: (425) 563-6502

FAX:

Bill To Contact E-MAIL: emily.blakeway@ghd.com

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

UNIT COST

NON-UNIT COST

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	LAB-55 BTEX	St LAB-123 - WA NW Dx Water	LAB-35 MTBE	LAB-36 TBA	LAB-36 TBA	LAB-37 DIPE	LAB-38 TAME	LAB-39 ETBE	TPH-D	WA - NWTPH-Dx	Total Lead	Dissolved Lead (Field Filtered)	EDB (8011)	EDC
	GW-11218545-01221-AW-MW-12	1/21	1241	GW	8	1		3		12	X	X	X						X	X		X	X	X
	GW-11218545-01221-AW-MW-13	1/21	1317	GW	8	1		3		12	X	X	X						X	X		X	X	X
	GW-11218545-01221-FK-MW14	1/21	1308	GW	8	1		3		12	X	X	X						X	X		X	X	X
	GW-11218545-01221-AW-TB01	1/21	1200	GW	2					2	X									X					

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

Relinquished by: (Signature) 1530 1/21/21	Received by: (Signature)	Date: 1-21-21	Time: 1530
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version 14Dec15

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 580-100638-1

Login Number: 100638

List Source: Eurofins TestAmerica, Seattle

List Number: 1

Creator: Hobbs, Kenneth F

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-15518-1
Client Project/Site: 1349 NW State Ave., Chehalis, WA

For:
GHD Services Inc.
20818 44th Ave W
Suite 190
Lynnwood, Washington 98036

Attn: Emily Blakeway

Roxanne Cisneros

Authorized for release by:
8/4/2021 9:01:10 AM

Roxanne Cisneros, Senior Project Manager
(615)301-5761
roxanne.cisneros@Eurofinset.com

LINKS

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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QC Sample Results 21
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Case Narrative

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave., Chehalis, WA

Job ID: 590-15518-1

Job ID: 590-15518-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Job Narrative
590-15518-1

Comments
No additional comments.

Receipt
The samples were received on 7/20/2021 12:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.4º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method NWTPH-Dx: Detected hydrocarbons in the diesel range appear to be due to gasoline overlap. GW-11218545-071421-AW-MW-2 (590-15518-1), GW-11218545-071421-AW-MW-6 (590-15518-5), GW-11218545-071421-AW-MW-7 (590-15518-6) and GW-11218545-071421-AW-MW-8 (590-15518-7)

Method NWTPH-Dx: Detected hydrocarbons appear to be due to possible biogenic interference. GW-11218545-071421-AW-MW-5 (590-15518-4), GW-11218545-071421-AW-MW-10 (590-15518-9), GW-11218545-071421-AW-MW-12 (590-15518-11) and GW-11218545-071421-AW-MW-13 (590-15518-12)

Method NWTPH-Dx: Detected hydrocarbons in the diesel range appear to be due to gasoline overlap. GW-11218545-071421-AW-DUP-1 (590-15518-14)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010D: The low level initial calibration verification (ICVL) associated with batch 590-32527 recovered above the upper control limit for Lead. The samples associated with this ICV were either 10x the spike amount or non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave., Chehalis, WA

Job ID: 590-15518-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-15518-1	GW-11218545-071421-AW-MW-2	Water	07/14/21 13:51	07/20/21 12:50
590-15518-2	GW-11218545-071421-AW-MW-3	Water	07/14/21 11:53	07/20/21 12:50
590-15518-3	GW-11218545-071421-AW-MW-4	Water	07/14/21 14:23	07/20/21 12:50
590-15518-4	GW-11218545-071421-AW-MW-5	Water	07/14/21 16:34	07/20/21 12:50
590-15518-5	GW-11218545-071421-AW-MW-6	Water	07/14/21 13:18	07/20/21 12:50
590-15518-6	GW-11218545-071421-AW-MW-7	Water	07/14/21 12:37	07/20/21 12:50
590-15518-7	GW-11218545-071421-AW-MW-8	Water	07/14/21 10:36	07/20/21 12:50
590-15518-8	GW-11218545-071421-AW-MW-9	Water	07/14/21 09:25	07/20/21 12:50
590-15518-9	GW-11218545-071421-AW-MW-10	Water	07/14/21 11:08	07/20/21 12:50
590-15518-10	GW-11218545-071421-AW-MW-11	Water	07/14/21 10:02	07/20/21 12:50
590-15518-11	GW-11218545-071421-AW-MW-12	Water	07/14/21 14:54	07/20/21 12:50
590-15518-12	GW-11218545-071421-AW-MW-13	Water	07/14/21 15:30	07/20/21 12:50
590-15518-13	GW-11218545-071421-AW-MW-14	Water	07/14/21 16:02	07/20/21 12:50
590-15518-14	GW-11218545-071421-AW-DUP-1	Water	07/14/21 12:03	07/20/21 12:50
590-15518-15	GW-11218545-071421-AW-TB-1	Water	07/14/21 08:00	07/20/21 12:50

Definitions/Glossary

Client: GHD Services Inc.
Job ID: 590-15518-1
Project/Site: 1349 NW State Ave., Chehalis, WA

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: GW-11218545-071421-AW-MW-2 Lab Sample ID: 590-15518-1

Date Collected: 07/14/21 13:51 **Matrix: Water**
Date Received: 07/20/21 12:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**514**		40.0	9.30	ug/L			07/23/21 11:44	100
EDC	ND		1.00	0.310	ug/L			07/22/21 18:12	1
Ethylbenzene	**230**		100	19.8	ug/L			07/23/21 11:44	100
Methyl tert-butyl ether	**0.594**	**J**	1.00	0.160	ug/L			07/22/21 18:12	1
m-Xylene & p-Xylene	**602**		200	28.0	ug/L			07/23/21 11:44	100
o-Xylene	ND		100	16.2	ug/L			07/23/21 11:44	100
Toluene	**34.0**		1.00	0.312	ug/L			07/22/21 18:12	1
Xylenes, Total	**602**		300	44.2	ug/L			07/23/21 11:44	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*07/22/21 18:12*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*07/23/21 11:44*	*100*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*07/22/21 18:12*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*07/23/21 11:44*	*100*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*07/22/21 18:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*07/23/21 11:44*	*100*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/22/21 18:12*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/23/21 11:44*	*100*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**2950**		150	70.4	ug/L			07/22/21 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*68.7 - 141*		*07/22/21 18:12*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 17:30	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**1310**		236	108	ug/L		07/22/21 11:52	07/22/21 23:54	1
RRO (C25-C36)	ND		394	118	ug/L		07/22/21 11:52	07/22/21 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*07/22/21 11:52*	*07/22/21 23:54*	*1*
n-Triacontane-d62	*95*		*50 - 150*	*07/22/21 11:52*	*07/22/21 23:54*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:00	07/27/21 16:25	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:03	07/27/21 19:02	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave., Chehalis, WA

Job ID: 590-15518-1

Client Sample ID: GW-11218545-071421-AW-MW-3

Lab Sample ID: 590-15518-2

Date Collected: 07/14/21 11:53

Matrix: Water

Date Received: 07/20/21 12:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.201**	**J**	0.400	0.0930	ug/L			07/22/21 18:54	1
EDC	ND		1.00	0.310	ug/L			07/22/21 18:54	1
Ethylbenzene	**0.215**	**J**	1.00	0.198	ug/L			07/22/21 18:54	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			07/22/21 18:54	1
m-Xylene & p-Xylene	**0.706**	**J**	2.00	0.280	ug/L			07/22/21 18:54	1
o-Xylene	ND		1.00	0.162	ug/L			07/22/21 18:54	1
Toluene	ND		1.00	0.312	ug/L			07/22/21 18:54	1
Xylenes, Total	**0.706**	**J**	3.00	0.442	ug/L			07/22/21 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*07/22/21 18:54*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*07/22/21 18:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*07/22/21 18:54*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/22/21 18:54*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			07/22/21 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*68.7 - 141*		*07/22/21 18:54*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 17:46	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		242	111	ug/L		07/22/21 11:52	07/23/21 00:15	1
RRO (C25-C36)	ND		404	121	ug/L		07/22/21 11:52	07/23/21 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*50 - 150*	*07/22/21 11:52*	*07/23/21 00:15*	*1*
n-Triacontane-d62	*95*		*50 - 150*	*07/22/21 11:52*	*07/23/21 00:15*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:00	07/27/21 16:29	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:03	07/27/21 19:06	1

Client: GHD Services Inc.
Job ID: 590-15518-1
Project/Site: 1349 NW State Ave., Chehalis, WA

Client Sample ID: GW-11218545-071421-AW-MW-4
Lab Sample ID: 590-15518-3
Date Collected: 07/14/21 14:23
Matrix: Water
Date Received: 07/20/21 12:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			07/22/21 19:36	1
EDC	ND		1.00	0.310	ug/L			07/22/21 19:36	1
Ethylbenzene	ND		1.00	0.198	ug/L			07/22/21 19:36	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			07/22/21 19:36	1
m-Xylene & p-Xylene	**0.663**	**J**	2.00	0.280	ug/L			07/22/21 19:36	1
o-Xylene	**0.382**	**J**	1.00	0.162	ug/L			07/22/21 19:36	1
Toluene	ND		1.00	0.312	ug/L			07/22/21 19:36	1
Xylenes, Total	**1.05**	**J**	3.00	0.442	ug/L			07/22/21 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*07/22/21 19:36*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*07/22/21 19:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*07/22/21 19:36*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/22/21 19:36*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			07/22/21 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*68.7 - 141*		*07/22/21 19:36*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 18:18	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		232	106	ug/L		07/22/21 11:52	07/23/21 00:35	1
RRO (C25-C36)	ND		387	116	ug/L		07/22/21 11:52	07/23/21 00:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*07/22/21 11:52*	*07/23/21 00:35*	*1*
n-Triacontane-d62	*90*		*50 - 150*	*07/22/21 11:52*	*07/23/21 00:35*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:00	07/27/21 16:33	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:03	07/27/21 19:10	1

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave., Chehalis, WA

Job ID: 590-15518-1

Client Sample ID: GW-11218545-071421-AW-MW-5

Lab Sample ID: 590-15518-4

Date Collected: 07/14/21 16:34
Date Received: 07/20/21 12:50

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			07/22/21 19:57	1
EDC	ND		1.00	0.310	ug/L			07/22/21 19:57	1
Ethylbenzene	ND		1.00	0.198	ug/L			07/22/21 19:57	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			07/22/21 19:57	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			07/22/21 19:57	1
o-Xylene	ND		1.00	0.162	ug/L			07/22/21 19:57	1
Toluene	ND		1.00	0.312	ug/L			07/22/21 19:57	1
Xylenes, Total	ND		3.00	0.442	ug/L			07/22/21 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*07/22/21 19:57*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*07/22/21 19:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*07/22/21 19:57*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/22/21 19:57*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			07/22/21 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*68.7 - 141*		*07/22/21 19:57*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 18:35	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**269**		226	104	ug/L		07/22/21 11:52	07/23/21 00:56	1
RRO (C25-C36)	ND		377	113	ug/L		07/22/21 11:52	07/23/21 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*07/22/21 11:52*	*07/23/21 00:56*	*1*
n-Triacontane-d62	*91*		*50 - 150*	*07/22/21 11:52*	*07/23/21 00:56*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:00	07/27/21 16:37	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:03	07/27/21 19:14	1

Client: GHD Services Inc.
Job ID: 590-15518-1
Project/Site: 1349 NW State Ave., Chehalis, WA

Client Sample ID: GW-11218545-071421-AW-MW-6
Lab Sample ID: 590-15518-5
Date Collected: 07/14/21 13:18
Matrix: Water
Date Received: 07/20/21 12:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**79.1**		0.400	0.0930	ug/L			07/22/21 20:17	1
EDC	ND		1.00	0.310	ug/L			07/22/21 20:17	1
Ethylbenzene	**0.253**	**J**	1.00	0.198	ug/L			07/22/21 20:17	1
Methyl tert-butyl ether	**0.761**	**J**	1.00	0.160	ug/L			07/22/21 20:17	1
m-Xylene & p-Xylene	**19.4**		2.00	0.280	ug/L			07/22/21 20:17	1
o-Xylene	**1.48**		1.00	0.162	ug/L			07/22/21 20:17	1
Toluene	**9.88**		1.00	0.312	ug/L			07/22/21 20:17	1
Xylenes, Total	**20.9**		3.00	0.442	ug/L			07/22/21 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*07/22/21 20:17*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*07/22/21 20:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*07/22/21 20:17*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/22/21 20:17*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**400**		150	70.4	ug/L			07/22/21 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*68.7 - 141*		*07/22/21 20:17*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 18:51	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**482**		226	104	ug/L		07/22/21 11:52	07/23/21 01:17	1
RRO (C25-C36)	ND		377	113	ug/L		07/22/21 11:52	07/23/21 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*07/22/21 11:52*	*07/23/21 01:17*	*1*
n-Triacontane-d62	*91*		*50 - 150*	*07/22/21 11:52*	*07/23/21 01:17*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:00	07/27/21 16:41	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:03	07/27/21 19:18	1

Client Sample ID: GW-11218545-071421-AW-MW-7
Lab Sample ID: 590-15518-6

Date Collected: 07/14/21 12:37
Matrix: Water
Date Received: 07/20/21 12:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**26.0**		0.400	0.0930	ug/L			07/22/21 20:38	1
EDC	ND		1.00	0.310	ug/L			07/22/21 20:38	1
Ethylbenzene	**27.0**		1.00	0.198	ug/L			07/22/21 20:38	1
Methyl tert-butyl ether	**5.14**		1.00	0.160	ug/L			07/22/21 20:38	1
m-Xylene & p-Xylene	**171**	**J**	200	28.0	ug/L			07/23/21 12:05	100
o-Xylene	ND		100	16.2	ug/L			07/23/21 12:05	100
Toluene	**9.25**		1.00	0.312	ug/L			07/22/21 20:38	1
Xylenes, Total	**171**	**J**	300	44.2	ug/L			07/23/21 12:05	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*07/22/21 20:38*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*07/23/21 12:05*	*100*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*07/22/21 20:38*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*07/23/21 12:05*	*100*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*07/22/21 20:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*07/23/21 12:05*	*100*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/22/21 20:38*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/23/21 12:05*	*100*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**1430**		150	70.4	ug/L			07/22/21 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*68.7 - 141*		*07/22/21 20:38*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 19:08	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**1030**		234	107	ug/L		07/22/21 11:52	07/23/21 01:38	1
RRO (C25-C36)	ND		390	117	ug/L		07/22/21 11:52	07/23/21 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*07/22/21 11:52*	*07/23/21 01:38*	*1*
n-Triacontane-d62	*94*		*50 - 150*	*07/22/21 11:52*	*07/23/21 01:38*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:00	07/27/21 16:45	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:03	07/27/21 19:22	1

Client Sample ID: GW-11218545-071421-AW-MW-8 Lab Sample ID: 590-15518-7

Date Collected: 07/14/21 10:36 **Matrix: Water**
Date Received: 07/20/21 12:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**97.3**		4.00	0.930	ug/L			07/23/21 12:26	10
EDC	ND		1.00	0.310	ug/L			07/22/21 20:59	1
Ethylbenzene	**2.51**		1.00	0.198	ug/L			07/22/21 20:59	1
Methyl tert-butyl ether	**0.412**	**J**	1.00	0.160	ug/L			07/22/21 20:59	1
m-Xylene & p-Xylene	**82.9**		2.00	0.280	ug/L			07/22/21 20:59	1
o-Xylene	**8.98**		1.00	0.162	ug/L			07/22/21 20:59	1
Toluene	**11.4**		1.00	0.312	ug/L			07/22/21 20:59	1
Xylenes, Total	**91.9**		3.00	0.442	ug/L			07/22/21 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*07/22/21 20:59*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*07/23/21 12:26*	*10*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/22/21 20:59*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*07/23/21 12:26*	*10*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*07/22/21 20:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*07/23/21 12:26*	*10*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/22/21 20:59*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/23/21 12:26*	*10*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**914**		150	70.4	ug/L			07/22/21 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*68.7 - 141*		*07/22/21 20:59*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 19:24	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - IN2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**241**		229	105	ug/L		07/22/21 11:52	07/23/21 02:19	1
RRO (C25-C36)	**150**	**J**	382	115	ug/L		07/22/21 11:52	07/23/21 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*50 - 150*	*07/22/21 11:52*	*07/23/21 02:19*	*1*
n-Triacontane-d62	*104*		*50 - 150*	*07/22/21 11:52*	*07/23/21 02:19*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:00	07/27/21 16:49	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:03	07/27/21 19:26	1

Client Sample ID: GW-11218545-071421-AW-MW-9 Lab Sample ID: 590-15518-8

Date Collected: 07/14/21 09:25 **Matrix: Water**
Date Received: 07/20/21 12:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4.05**		0.400	0.0930	ug/L			07/22/21 23:22	1
EDC	ND		1.00	0.310	ug/L			07/22/21 23:22	1
Ethylbenzene	ND		1.00	0.198	ug/L			07/22/21 23:22	1
Methyl tert-butyl ether	**1.51**		1.00	0.160	ug/L			07/22/21 23:22	1
m-Xylene & p-Xylene	**0.395**	**J**	2.00	0.280	ug/L			07/22/21 23:22	1
o-Xylene	ND		1.00	0.162	ug/L			07/22/21 23:22	1
Toluene	**1.53**		1.00	0.312	ug/L			07/22/21 23:22	1
Xylenes, Total	ND		3.00	0.442	ug/L			07/22/21 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*07/22/21 23:22*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/22/21 23:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*07/22/21 23:22*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*07/22/21 23:22*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**218**		150	70.4	ug/L			07/22/21 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*68.7 - 141*		*07/22/21 23:22*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 19:41	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**137**	**J**	239	110	ug/L		07/22/21 11:52	07/23/21 02:40	1
RRO (C25-C36)	ND		399	120	ug/L		07/22/21 11:52	07/23/21 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*50 - 150*	*07/22/21 11:52*	*07/23/21 02:40*	*1*
n-Triacontane-d62	*100*		*50 - 150*	*07/22/21 11:52*	*07/23/21 02:40*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:00	07/27/21 17:10	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:03	07/27/21 19:30	1

Client Sample ID: GW-11218545-071421-AW-MW-10
Lab Sample ID: 590-15518-9

Date Collected: 07/14/21 11:08
Matrix: Water
Date Received: 07/20/21 12:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			07/23/21 00:03	1
EDC	ND		1.00	0.310	ug/L			07/23/21 00:03	1
Ethylbenzene	ND		1.00	0.198	ug/L			07/23/21 00:03	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			07/23/21 00:03	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			07/23/21 00:03	1
o-Xylene	ND		1.00	0.162	ug/L			07/23/21 00:03	1
Toluene	ND		1.00	0.312	ug/L			07/23/21 00:03	1
Xylenes, Total	ND		3.00	0.442	ug/L			07/23/21 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*07/23/21 00:03*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*07/23/21 00:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*07/23/21 00:03*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*07/23/21 00:03*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			07/23/21 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*68.7 - 141*		*07/23/21 00:03*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 19:57	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**391**		260	119	ug/L		07/22/21 11:52	07/23/21 03:01	1
RRO (C25-C36)	**783**		434	130	ug/L		07/22/21 11:52	07/23/21 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*50 - 150*	*07/22/21 11:52*	*07/23/21 03:01*	*1*
n-Triacontane-d62	*112*		*50 - 150*	*07/22/21 11:52*	*07/23/21 03:01*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**7.70**	**J**	60.0	5.10	ug/L		07/26/21 10:00	07/28/21 15:01	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:03	07/27/21 19:34	1

Client: GHD Services Inc.
Job ID: 590-15518-1
Project/Site: 1349 NW State Ave., Chehalis, WA

Client Sample ID: GW-11218545-071421-AW-MW-11
Lab Sample ID: 590-15518-10
Date Collected: 07/14/21 10:02
Matrix: Water
Date Received: 07/20/21 12:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**68.2**		0.400	0.0930	ug/L			07/23/21 00:24	1
EDC	ND		1.00	0.310	ug/L			07/23/21 00:24	1
Ethylbenzene	**8.85**		1.00	0.198	ug/L			07/23/21 00:24	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			07/23/21 00:24	1
m-Xylene & p-Xylene	**4.78**		2.00	0.280	ug/L			07/23/21 00:24	1
o-Xylene	**2.70**		1.00	0.162	ug/L			07/23/21 00:24	1
Toluene	**0.436**	**J**	1.00	0.312	ug/L			07/23/21 00:24	1
Xylenes, Total	**7.47**		3.00	0.442	ug/L			07/23/21 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*07/23/21 00:24*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*07/23/21 00:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*07/23/21 00:24*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/23/21 00:24*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**623**		150	70.4	ug/L			07/23/21 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*68.7 - 141*		*07/23/21 00:24*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 20:13	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		243	111	ug/L		07/22/21 11:52	07/23/21 03:22	1
RRO (C25-C36)	ND		405	121	ug/L		07/22/21 11:52	07/23/21 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*98*		*50 - 150*	*07/22/21 11:52*	*07/23/21 03:22*	*1*
n-Triacontane-d62	*103*		*50 - 150*	*07/22/21 11:52*	*07/23/21 03:22*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:00	07/27/21 17:18	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:03	07/27/21 19:38	1

Client: GHD Services Inc.
Job ID: 590-15518-1
Project/Site: 1349 NW State Ave., Chehalis, WA

Client Sample ID: GW-11218545-071421-AW-MW-12
Lab Sample ID: 590-15518-11
Date Collected: 07/14/21 14:54
Matrix: Water
Date Received: 07/20/21 12:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			07/23/21 01:26	1
EDC	ND		1.00	0.310	ug/L			07/23/21 01:26	1
Ethylbenzene	ND		1.00	0.198	ug/L			07/23/21 01:26	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			07/23/21 01:26	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			07/23/21 01:26	1
o-Xylene	ND		1.00	0.162	ug/L			07/23/21 01:26	1
Toluene	ND		1.00	0.312	ug/L			07/23/21 01:26	1
Xylenes, Total	ND		3.00	0.442	ug/L			07/23/21 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*07/23/21 01:26*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*07/23/21 01:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*07/23/21 01:26*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/23/21 01:26*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			07/23/21 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*68.7 - 141*		*07/23/21 01:26*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 20:30	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**152**	**J**	227	104	ug/L		07/22/21 11:52	07/23/21 03:42	1
RRO (C25-C36)	ND		378	113	ug/L		07/22/21 11:52	07/23/21 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*50 - 150*	*07/22/21 11:52*	*07/23/21 03:42*	*1*
n-Triacontane-d62	*97*		*50 - 150*	*07/22/21 11:52*	*07/23/21 03:42*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:00	07/27/21 17:22	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:03	07/27/21 19:59	1

Client: GHD Services Inc.
Job ID: 590-15518-1
Project/Site: 1349 NW State Ave., Chehalis, WA

Client Sample ID: GW-11218545-071421-AW-MW-13
Lab Sample ID: 590-15518-12
Date Collected: 07/14/21 15:30
Matrix: Water
Date Received: 07/20/21 12:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			07/23/21 01:47	1
EDC	ND		1.00	0.310	ug/L			07/23/21 01:47	1
Ethylbenzene	ND		1.00	0.198	ug/L			07/23/21 01:47	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			07/23/21 01:47	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			07/23/21 01:47	1
o-Xylene	ND		1.00	0.162	ug/L			07/23/21 01:47	1
Toluene	ND		1.00	0.312	ug/L			07/23/21 01:47	1
Xylenes, Total	ND		3.00	0.442	ug/L			07/23/21 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*07/23/21 01:47*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*07/23/21 01:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*07/23/21 01:47*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*07/23/21 01:47*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			07/23/21 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*68.7 - 141*		*07/23/21 01:47*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 20:46	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**169**	**J**	222	102	ug/L		07/22/21 11:52	07/23/21 04:03	1
RRO (C25-C36)	**111**	**J**	370	111	ug/L		07/22/21 11:52	07/23/21 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*07/22/21 11:52*	*07/23/21 04:03*	*1*
n-Triacontane-d62	*101*		*50 - 150*	*07/22/21 11:52*	*07/23/21 04:03*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:00	07/27/21 17:26	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:03	07/27/21 20:03	1

Client Sample ID: GW-11218545-071421-AW-MW-14 Lab Sample ID: 590-15518-13

Date Collected: 07/14/21 16:02 **Matrix: Water**
Date Received: 07/20/21 12:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4.54**		0.400	0.0930	ug/L			07/23/21 02:07	1
EDC	ND		1.00	0.310	ug/L			07/23/21 02:07	1
Ethylbenzene	**0.884**	**J**	1.00	0.198	ug/L			07/23/21 02:07	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			07/23/21 02:07	1
m-Xylene & p-Xylene	**5.26**		2.00	0.280	ug/L			07/23/21 02:07	1
o-Xylene	**1.67**		1.00	0.162	ug/L			07/23/21 02:07	1
Toluene	**1.11**		1.00	0.312	ug/L			07/23/21 02:07	1
Xylenes, Total	**6.93**		3.00	0.442	ug/L			07/23/21 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*07/23/21 02:07*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*07/23/21 02:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*07/23/21 02:07*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*07/23/21 02:07*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**141**	**J**	150	70.4	ug/L			07/23/21 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*68.7 - 141*		*07/23/21 02:07*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 21:19	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		241	111	ug/L		07/28/21 12:27	07/28/21 18:04	1
RRO (C25-C36)	ND		402	121	ug/L		07/28/21 12:27	07/28/21 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*07/28/21 12:27*	*07/28/21 18:04*	*1*
n-Triacontane-d62	*88*		*50 - 150*	*07/28/21 12:27*	*07/28/21 18:04*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:00	07/27/21 17:30	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:03	07/27/21 20:07	1

Client Sample ID: GW-11218545-071421-AW-DUP-1 Lab Sample ID: 590-15518-14

Date Collected: 07/14/21 12:03 **Matrix: Water**
Date Received: 07/20/21 12:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**24.0**		0.400	0.0930	ug/L			07/23/21 02:48	1
EDC	ND		1.00	0.310	ug/L			07/23/21 02:48	1
Ethylbenzene	**25.9**		1.00	0.198	ug/L			07/23/21 02:48	1
Methyl tert-butyl ether	**4.83**		1.00	0.160	ug/L			07/23/21 02:48	1
m-Xylene & p-Xylene	**173**		20.0	2.80	ug/L			07/23/21 12:48	10
o-Xylene	**3.41**	**J**	10.0	1.62	ug/L			07/23/21 12:48	10
Toluene	**8.69**		1.00	0.312	ug/L			07/23/21 02:48	1
Xylenes, Total	**177**		30.0	4.42	ug/L			07/23/21 12:48	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*07/23/21 02:48*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*07/23/21 12:48*	*10*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*07/23/21 02:48*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*07/23/21 12:48*	*10*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*07/23/21 02:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*07/23/21 12:48*	*10*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/23/21 02:48*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/23/21 12:48*	*10*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**1310**		150	70.4	ug/L			07/23/21 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*68.7 - 141*		*07/23/21 02:48*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	**0.00277**	**J**	0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 21:36	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**387**		230	106	ug/L		07/28/21 12:27	07/28/21 18:25	1
RRO (C25-C36)	ND		384	115	ug/L		07/28/21 12:27	07/28/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*07/28/21 12:27*	*07/28/21 18:25*	*1*
n-Triacontane-d62	*89*		*50 - 150*	*07/28/21 12:27*	*07/28/21 18:25*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:00	07/27/21 17:34	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 10:03	07/27/21 20:11	1

Client: GHD Services Inc.
Job ID: 590-15518-1
Project/Site: 1349 NW State Ave., Chehalis, WA

Client Sample ID: GW-11218545-071421-AW-TB-1
Lab Sample ID: 590-15518-15

Date Collected: 07/14/21 08:00
Matrix: Water
Date Received: 07/20/21 12:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			07/23/21 03:09	1
Ethylbenzene	ND		1.00	0.198	ug/L			07/23/21 03:09	1
Toluene	ND		1.00	0.312	ug/L			07/23/21 03:09	1
Xylenes, Total	ND		3.00	0.442	ug/L			07/23/21 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*80 - 120*		*07/23/21 03:09*	*1*
Dibromofluoromethane (Surr)	*115*		*80 - 120*		*07/23/21 03:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*07/23/21 03:09*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/23/21 03:09*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			07/23/21 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*68.7 - 141*		*07/23/21 03:09*	*1*

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave., Chehalis, WA

Job ID: 590-15518-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-32468/6
Matrix: Water
Analysis Batch: 32468

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			07/22/21 11:53	1
EDC	ND		1.00	0.310	ug/L			07/22/21 11:53	1
Ethylbenzene	ND		1.00	0.198	ug/L			07/22/21 11:53	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			07/22/21 11:53	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			07/22/21 11:53	1
o-Xylene	ND		1.00	0.162	ug/L			07/22/21 11:53	1
Toluene	ND		1.00	0.312	ug/L			07/22/21 11:53	1
Xylenes, Total	ND		3.00	0.442	ug/L			07/22/21 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*07/22/21 11:53*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*07/22/21 11:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*07/22/21 11:53*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/22/21 11:53*	*1*

Lab Sample ID: LCS 590-32468/4
Matrix: Water
Analysis Batch: 32468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			10.0	10.84		ug/L		108	80 - 126		
EDC			10.0	11.03		ug/L		110	76 - 127		
Ethylbenzene			10.0	11.11		ug/L		111	80 - 128		
Methyl tert-butyl ether			10.0	10.10		ug/L		101	77 - 128		
m-Xylene & p-Xylene			10.0	10.83		ug/L		108	80 - 127		
o-Xylene			10.0	10.90		ug/L		109	80 - 126		
Toluene			10.0	10.86		ug/L		109	80 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 590-32468/1003
Matrix: Water
Analysis Batch: 32468

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			10.0	11.27		ug/L		113	80 - 126	4	18
EDC			10.0	11.15		ug/L		111	76 - 127	1	16
Ethylbenzene			10.0	11.73		ug/L		117	80 - 128	5	18
Methyl tert-butyl ether			10.0	10.52		ug/L		105	77 - 128	4	20
m-Xylene & p-Xylene			10.0	11.75		ug/L		118	80 - 127	8	18
o-Xylene			10.0	11.48		ug/L		115	80 - 126	5	17
Toluene			10.0	11.62		ug/L		116	80 - 129	7	18

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-32468/1003
Matrix: Water
Analysis Batch: 32468

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 580-104547-B-2 MS
Matrix: Water
Analysis Batch: 32468

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	5.00		10.0	15.63		ug/L		106	80 - 126
EDC	ND		10.0	10.36		ug/L		104	76 - 127
Ethylbenzene	0.437	J	10.0	11.13		ug/L		107	80 - 128
Methyl tert-butyl ether	ND		10.0	9.763		ug/L		98	77 - 128
m-Xylene & p-Xylene	2.67		10.0	12.77		ug/L		101	80 - 127
o-Xylene	0.446	J	10.0	10.37		ug/L		99	80 - 126
Toluene	2.10		10.0	12.31		ug/L		102	80 - 129

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*91*		*80 - 120*

Lab Sample ID: 580-104547-C-2 MSD
Matrix: Water
Analysis Batch: 32468

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	5.00		10.0	16.85		ug/L		118	80 - 126	8	18
EDC	ND		10.0	11.38		ug/L		114	76 - 127	9	16
Ethylbenzene	0.437	J	10.0	11.79		ug/L		113	80 - 128	6	18
Methyl tert-butyl ether	ND		10.0	9.726		ug/L		97	77 - 128	0	20
m-Xylene & p-Xylene	2.67		10.0	13.26		ug/L		106	80 - 127	4	18
o-Xylene	0.446	J	10.0	10.54		ug/L		101	80 - 126	2	17
Toluene	2.10		10.0	13.17		ug/L		111	80 - 129	7	18

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*92*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-15518-1 DU
Matrix: Water
Analysis Batch: 32468

Client Sample ID: GW-11218545-071421-AW-MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
EDC	ND			ND		ug/L				NC	16
Methyl tert-butyl ether	0.594	J		0.5639	J	ug/L				5	20
Toluene	34.0			32.25		ug/L				5	18

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: MB 590-32478/5
Matrix: Water
Analysis Batch: 32478

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			07/22/21 23:02	1
EDC	ND		1.00	0.310	ug/L			07/22/21 23:02	1
Ethylbenzene	ND		1.00	0.198	ug/L			07/22/21 23:02	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			07/22/21 23:02	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			07/22/21 23:02	1
o-Xylene	ND		1.00	0.162	ug/L			07/22/21 23:02	1
Toluene	ND		1.00	0.312	ug/L			07/22/21 23:02	1
Xylenes, Total	ND		3.00	0.442	ug/L			07/22/21 23:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*07/22/21 23:02*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*07/22/21 23:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*07/22/21 23:02*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/22/21 23:02*	*1*

Lab Sample ID: LCS 590-32478/3
Matrix: Water
Analysis Batch: 32478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			10.0	10.83		ug/L		108	80 - 126		
EDC			10.0	10.62		ug/L		106	76 - 127		
Ethylbenzene			10.0	10.77		ug/L		108	80 - 128		
Methyl tert-butyl ether			10.0	10.18		ug/L		102	77 - 128		
m-Xylene & p-Xylene			10.0	10.55		ug/L		105	80 - 127		
o-Xylene			10.0	10.67		ug/L		107	80 - 126		
Toluene			10.0	10.52		ug/L		105	80 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-32478/3
Matrix: Water
Analysis Batch: 32478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: LCSD 590-32478/1002
Matrix: Water
Analysis Batch: 32478

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			10.0	11.11		ug/L		111	80 - 126	3	18
EDC			10.0	11.25		ug/L		113	76 - 127	6	16
Ethylbenzene			10.0	11.05		ug/L		110	80 - 128	3	18
Methyl tert-butyl ether			10.0	10.24		ug/L		102	77 - 128	1	20
m-Xylene & p-Xylene			10.0	11.18		ug/L		112	80 - 127	6	18
o-Xylene			10.0	10.88		ug/L		109	80 - 126	2	17
Toluene			10.0	10.84		ug/L		108	80 - 129	3	18

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 590-15518-10 MS
Matrix: Water
Analysis Batch: 32478

Client Sample ID: GW-11218545-071421-AW-MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	68.2		10.0	80.84	4	ug/L		126	80 - 126
EDC	ND		10.0	10.88		ug/L		109	76 - 127
Ethylbenzene	8.85		10.0	20.42		ug/L		116	80 - 128
Methyl tert-butyl ether	ND		10.0	10.51		ug/L		105	77 - 128
m-Xylene & p-Xylene	4.78		10.0	15.35		ug/L		106	80 - 127
o-Xylene	2.70		10.0	13.55		ug/L		108	80 - 126
Toluene	0.436	J	10.0	11.41		ug/L		110	80 - 129

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*82*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 590-15518-10 MSD
Matrix: Water
Analysis Batch: 32478

Client Sample ID: GW-11218545-071421-AW-MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	68.2		10.0	80.62	4	ug/L		124	80 - 126	0	18
EDC	ND		10.0	10.60		ug/L		106	76 - 127	3	16
Ethylbenzene	8.85		10.0	20.30		ug/L		115	80 - 128	1	18

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-15518-10 MSD
Matrix: Water
Analysis Batch: 32478

Client Sample ID: GW-11218545-071421-AW-MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND		10.0	10.33		ug/L		103	77 - 128	2	20
m-Xylene & p-Xylene	4.78		10.0	14.66		ug/L		99	80 - 127	5	18
o-Xylene	2.70		10.0	13.07		ug/L		104	80 - 126	4	17
Toluene	0.436	J	10.0	11.18		ug/L		107	80 - 129	2	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: 590-15518-8 DU
Matrix: Water
Analysis Batch: 32478

Client Sample ID: GW-11218545-071421-AW-MW-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Benzene	4.05			3.594		ug/L				12	18
EDC	ND			ND		ug/L				NC	16
Ethylbenzene	ND			ND		ug/L				NC	18
Methyl tert-butyl ether	1.51			1.517		ug/L				0.2	20
m-Xylene & p-Xylene	0.395	J		0.3549	J	ug/L				11	18
o-Xylene	ND			ND		ug/L				NC	17
Toluene	1.53			1.268	F5	ug/L				19	18
Xylenes, Total	ND			ND		ug/L				NC	18

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: MB 590-32485/6
Matrix: Water
Analysis Batch: 32485

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			07/23/21 11:23	1
EDC	ND		1.00	0.310	ug/L			07/23/21 11:23	1
Ethylbenzene	ND		1.00	0.198	ug/L			07/23/21 11:23	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			07/23/21 11:23	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			07/23/21 11:23	1
o-Xylene	ND		1.00	0.162	ug/L			07/23/21 11:23	1
Toluene	ND		1.00	0.312	ug/L			07/23/21 11:23	1
Xylenes, Total	ND		3.00	0.442	ug/L			07/23/21 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*07/23/21 11:23*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*07/23/21 11:23*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-32485/6
Matrix: Water
Analysis Batch: 32485

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		07/23/21 11:23	1
Toluene-d8 (Surr)	99		80 - 120		07/23/21 11:23	1

Lab Sample ID: LCS 590-32485/4
Matrix: Water
Analysis Batch: 32485

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			10.0	10.77		ug/L		108	80 - 126		
EDC			10.0	10.65		ug/L		107	76 - 127		
Ethylbenzene			10.0	10.83		ug/L		108	80 - 128		
Methyl tert-butyl ether			10.0	10.34		ug/L		103	77 - 128		
m-Xylene & p-Xylene			10.0	10.60		ug/L		106	80 - 127		
o-Xylene			10.0	10.68		ug/L		107	80 - 126		
Toluene			10.0	10.48		ug/L		105	80 - 129		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	106		80 - 120
1,2-Dichloroethane-d4 (Surr)	107		80 - 120
Toluene-d8 (Surr)	95		80 - 120

Lab Sample ID: LCSD 590-32485/1003
Matrix: Water
Analysis Batch: 32485

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			10.0	11.16		ug/L		112	80 - 126	4	18
EDC			10.0	10.68		ug/L		107	76 - 127	0	16
Ethylbenzene			10.0	10.96		ug/L		110	80 - 128	1	18
Methyl tert-butyl ether			10.0	10.10		ug/L		101	77 - 128	2	20
m-Xylene & p-Xylene			10.0	10.75		ug/L		107	80 - 127	1	18
o-Xylene			10.0	10.75		ug/L		108	80 - 126	1	17
Toluene			10.0	10.63		ug/L		106	80 - 129	1	18

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		80 - 120
Dibromofluoromethane (Surr)	105		80 - 120
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
Toluene-d8 (Surr)	94		80 - 120

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-32467/6
Matrix: Water
Analysis Batch: 32467

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			07/22/21 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*68.7 - 141*		*07/22/21 11:53*	*1*

Lab Sample ID: LCS 590-32467/1005
Matrix: Water
Analysis Batch: 32467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
TPH as Gasoline			1000	985.9		ug/L		99	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*68.7 - 141*

Lab Sample ID: LCSD 590-32467/1032
Matrix: Water
Analysis Batch: 32467

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TPH as Gasoline			1000	1094		ug/L		109	80 - 120	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*68.7 - 141*

Lab Sample ID: 590-15518-1 DU
Matrix: Water
Analysis Batch: 32467

Client Sample ID: GW-11218545-071421-AW-MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
TPH as Gasoline	2950			2861		ug/L				3	35

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*68.7 - 141*

Lab Sample ID: MB 590-32477/5
Matrix: Water
Analysis Batch: 32477

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			07/22/21 23:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*68.7 - 141*		*07/22/21 23:02*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) (Continued)

Lab Sample ID: LCS 590-32477/1004
Matrix: Water
Analysis Batch: 32477

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
TPH as Gasoline			1000	1125		ug/L		112	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*68.7 - 141*

Lab Sample ID: LCSD 590-32477/1015
Matrix: Water
Analysis Batch: 32477

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TPH as Gasoline			1000	1003		ug/L		100	80 - 120	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*68.7 - 141*

Lab Sample ID: 590-15518-8 DU
Matrix: Water
Analysis Batch: 32477

Client Sample ID: GW-11218545-071421-AW-MW-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
TPH as Gasoline	218			200.1		ug/L				8	35

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*68.7 - 141*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 590-32476/2-A
Matrix: Water
Analysis Batch: 32479

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		07/22/21 13:29	07/22/21 15:19	1

Lab Sample ID: LCS 590-32476/3-A
Matrix: Water
Analysis Batch: 32479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32476

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylene Dibromide			0.125	0.1104		ug/L		88	60 - 140		

Lab Sample ID: LCSD 590-32476/4-A
Matrix: Water
Analysis Batch: 32479

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32476

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide			0.125	0.1040		ug/L		83	60 - 140	6	20

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-32471/1-A
Matrix: Water
Analysis Batch: 32465

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32471

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		240	110	ug/L		07/22/21 11:52	07/22/21 19:43	1
RRO (C25-C36)	ND		400	120	ug/L		07/22/21 11:52	07/22/21 19:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*07/22/21 11:52*	*07/22/21 19:43*	*1*
n-Triacontane-d62	*89*		*50 - 150*	*07/22/21 11:52*	*07/22/21 19:43*	*1*

Lab Sample ID: LCS 590-32471/2-A
Matrix: Water
Analysis Batch: 32465

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32471

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
DRO (C10-C25)			1600	1226		ug/L		77	50 - 150		
RRO (C25-C36)			1600	1587		ug/L		99	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*94*		*50 - 150*
n-Triacontane-d62	*103*		*50 - 150*

Lab Sample ID: LCSD 590-32471/3-A
Matrix: Water
Analysis Batch: 32465

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32471

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
DRO (C10-C25)			1600	1063		ug/L		66	50 - 150	14	25
RRO (C25-C36)			1600	1470		ug/L		92	50 - 150	8	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*89*		*50 - 150*
n-Triacontane-d62	*94*		*50 - 150*

Lab Sample ID: MB 590-32538/1-A
Matrix: Water
Analysis Batch: 32539

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		240	110	ug/L		07/28/21 12:27	07/28/21 17:01	1
RRO (C25-C36)	ND		400	120	ug/L		07/28/21 12:27	07/28/21 17:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*07/28/21 12:27*	*07/28/21 17:01*	*1*
n-Triacontane-d62	*90*		*50 - 150*	*07/28/21 12:27*	*07/28/21 17:01*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 590-32538/2-A
Matrix: Water
Analysis Batch: 32539

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32538

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
DRO (C10-C25)			1600	1326		ug/L		83	50 - 150		
RRO (C25-C36)			1600	1509		ug/L		94	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*96*		*50 - 150*
n-Triacontane-d62	*105*		*50 - 150*

Lab Sample ID: LCSD 590-32538/3-A
Matrix: Water
Analysis Batch: 32539

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32538

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
DRO (C10-C25)			1600	1206		ug/L		75	50 - 150	9	25
RRO (C25-C36)			1600	1521		ug/L		95	50 - 150	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*89*		*50 - 150*
n-Triacontane-d62	*102*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-32504/2-A
Matrix: Water
Analysis Batch: 32527

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 32504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 09:37	07/27/21 15:21	1

Lab Sample ID: LCS 590-32504/1-A
Matrix: Water
Analysis Batch: 32527

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 32504

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			1000	1015	^1+	ug/L		102	80 - 120		

Lab Sample ID: 590-15491-U-1-C MS
Matrix: Water
Analysis Batch: 32527

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 32504

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	ND	^1+	1000	975.7	^1+	ug/L		98	75 - 125		

Lab Sample ID: 590-15491-U-1-D MSD
Matrix: Water
Analysis Batch: 32527

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 32504

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND	^1+	1000	993.1	^1+	ug/L		99	75 - 125	2	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 590-15491-U-1-B DU
Matrix: Water
Analysis Batch: 32527

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 32504

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	ND	^1+		ND	^1+	ug/L				NC	20

Lab Sample ID: MB 590-32505/2-A
Matrix: Water
Analysis Batch: 32527

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 32505

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^1+	60.0	5.10	ug/L		07/26/21 09:38	07/27/21 17:42	1

Lab Sample ID: LCS 590-32505/1-A
Matrix: Water
Analysis Batch: 32527

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 32505

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			1000	1015	^1+	ug/L		102	80 - 120		

Lab Sample ID: 590-15491-V-1-C MS
Matrix: Water
Analysis Batch: 32527

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 32505

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	ND	^1+	1000	1006	^1+	ug/L		101	75 - 125		

Lab Sample ID: 590-15491-V-1-D MSD
Matrix: Water
Analysis Batch: 32527

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 32505

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND	^1+	1000	1019	^1+	ug/L		102	75 - 125	1	20

Lab Sample ID: 590-15491-V-1-B DU
Matrix: Water
Analysis Batch: 32527

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 32505

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	ND	^1+		ND	^1+	ug/L				NC	20

Lab Chronicle

Client: GHD Services Inc.
Job ID: 590-15518-1
Project/Site: 1349 NW State Ave., Chehalis, WA

Client Sample ID: GW-11218545-071421-AW-MW-2
Lab Sample ID: 590-15518-1
Date Collected: 07/14/21 13:51
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32468	07/22/21 18:12	JSP	TAL SPK
Total/NA	Analysis	8260D		100	43 mL	43 mL	32485	07/23/21 11:44	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32467	07/22/21 18:12	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32476	07/22/21 13:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32479	07/22/21 17:30	NMI	TAL SPK
Total/NA	Prep	3510C			254 mL	2 mL	32471	07/22/21 11:52	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32465	07/22/21 23:54	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	32505	07/26/21 10:03	AMB	TAL SPK
Dissolved	Analysis	6010D		1			32527	07/27/21 19:02	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32504	07/26/21 10:00	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32527	07/27/21 16:25	AMB	TAL SPK

Client Sample ID: GW-11218545-071421-AW-MW-3
Lab Sample ID: 590-15518-2
Date Collected: 07/14/21 11:53
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32468	07/22/21 18:54	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32467	07/22/21 18:54	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32476	07/22/21 13:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32479	07/22/21 17:46	NMI	TAL SPK
Total/NA	Prep	3510C			247.5 mL	2 mL	32471	07/22/21 11:52	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32465	07/23/21 00:15	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	32505	07/26/21 10:03	AMB	TAL SPK
Dissolved	Analysis	6010D		1			32527	07/27/21 19:06	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32504	07/26/21 10:00	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32527	07/27/21 16:29	AMB	TAL SPK

Client Sample ID: GW-11218545-071421-AW-MW-4
Lab Sample ID: 590-15518-3
Date Collected: 07/14/21 14:23
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32468	07/22/21 19:36	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32467	07/22/21 19:36	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32476	07/22/21 13:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32479	07/22/21 18:18	NMI	TAL SPK
Total/NA	Prep	3510C			258.7 mL	2 mL	32471	07/22/21 11:52	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32465	07/23/21 00:35	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	32505	07/26/21 10:03	AMB	TAL SPK
Dissolved	Analysis	6010D		1			32527	07/27/21 19:10	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32504	07/26/21 10:00	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32527	07/27/21 16:33	AMB	TAL SPK

Lab Chronicle

Client: GHD Services Inc.
Job ID: 590-15518-1
Project/Site: 1349 NW State Ave., Chehalis, WA

Client Sample ID: GW-11218545-071421-AW-MW-5
Lab Sample ID: 590-15518-4
Date Collected: 07/14/21 16:34
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32468	07/22/21 19:57	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32467	07/22/21 19:57	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32476	07/22/21 13:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32479	07/22/21 18:35	NMI	TAL SPK
Total/NA	Prep	3510C			265.4 mL	2 mL	32471	07/22/21 11:52	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32465	07/23/21 00:56	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	32505	07/26/21 10:03	AMB	TAL SPK
Dissolved	Analysis	6010D		1			32527	07/27/21 19:14	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32504	07/26/21 10:00	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32527	07/27/21 16:37	AMB	TAL SPK

Client Sample ID: GW-11218545-071421-AW-MW-6
Lab Sample ID: 590-15518-5
Date Collected: 07/14/21 13:18
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32468	07/22/21 20:17	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32467	07/22/21 20:17	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32476	07/22/21 13:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32479	07/22/21 18:51	NMI	TAL SPK
Total/NA	Prep	3510C			265 mL	2 mL	32471	07/22/21 11:52	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32465	07/23/21 01:17	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	32505	07/26/21 10:03	AMB	TAL SPK
Dissolved	Analysis	6010D		1			32527	07/27/21 19:18	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32504	07/26/21 10:00	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32527	07/27/21 16:41	AMB	TAL SPK

Client Sample ID: GW-11218545-071421-AW-MW-7
Lab Sample ID: 590-15518-6
Date Collected: 07/14/21 12:37
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32468	07/22/21 20:38	JSP	TAL SPK
Total/NA	Analysis	8260D		100	43 mL	43 mL	32485	07/23/21 12:05	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32467	07/22/21 20:38	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32476	07/22/21 13:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32479	07/22/21 19:08	NMI	TAL SPK
Total/NA	Prep	3510C			256.6 mL	2 mL	32471	07/22/21 11:52	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32465	07/23/21 01:38	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	32505	07/26/21 10:03	AMB	TAL SPK
Dissolved	Analysis	6010D		1			32527	07/27/21 19:22	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32504	07/26/21 10:00	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32527	07/27/21 16:45	AMB	TAL SPK

Lab Chronicle

Client: GHD Services Inc.
Job ID: 590-15518-1
Project/Site: 1349 NW State Ave., Chehalis, WA

Client Sample ID: GW-11218545-071421-AW-MW-8
Lab Sample ID: 590-15518-7
Date Collected: 07/14/21 10:36
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32468	07/22/21 20:59	JSP	TAL SPK
Total/NA	Analysis	8260D		10	43 mL	43 mL	32485	07/23/21 12:26	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32467	07/22/21 20:59	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32476	07/22/21 13:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32479	07/22/21 19:24	NMI	TAL SPK
Total/NA	Prep	3510C	IN2		261.5 mL	2 mL	32471	07/22/21 11:52	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx	IN2	1			32465	07/23/21 02:19	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	32505	07/26/21 10:03	AMB	TAL SPK
Dissolved	Analysis	6010D		1			32527	07/27/21 19:26	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32504	07/26/21 10:00	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32527	07/27/21 16:49	AMB	TAL SPK

Client Sample ID: GW-11218545-071421-AW-MW-9
Lab Sample ID: 590-15518-8
Date Collected: 07/14/21 09:25
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32478	07/22/21 23:22	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32477	07/22/21 23:22	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32476	07/22/21 13:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32479	07/22/21 19:41	NMI	TAL SPK
Total/NA	Prep	3510C			250.6 mL	2 mL	32471	07/22/21 11:52	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32465	07/23/21 02:40	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	32505	07/26/21 10:03	AMB	TAL SPK
Dissolved	Analysis	6010D		1			32527	07/27/21 19:30	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32504	07/26/21 10:00	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32527	07/27/21 17:10	AMB	TAL SPK

Client Sample ID: GW-11218545-071421-AW-MW-10
Lab Sample ID: 590-15518-9
Date Collected: 07/14/21 11:08
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32478	07/23/21 00:03	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32477	07/23/21 00:03	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32476	07/22/21 13:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32479	07/22/21 19:57	NMI	TAL SPK
Total/NA	Prep	3510C			230.5 mL	2 mL	32471	07/22/21 11:52	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32465	07/23/21 03:01	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	32505	07/26/21 10:03	AMB	TAL SPK
Dissolved	Analysis	6010D		1			32527	07/27/21 19:34	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32504	07/26/21 10:00	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32545	07/28/21 15:01	AMB	TAL SPK

Lab Chronicle

Client: GHD Services Inc.
Job ID: 590-15518-1
Project/Site: 1349 NW State Ave., Chehalis, WA

Client Sample ID: GW-11218545-071421-AW-MW-11
Lab Sample ID: 590-15518-10
Date Collected: 07/14/21 10:02
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32478	07/23/21 00:24	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32477	07/23/21 00:24	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32476	07/22/21 13:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32479	07/22/21 20:13	NMI	TAL SPK
Total/NA	Prep	3510C			247.1 mL	2 mL	32471	07/22/21 11:52	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32465	07/23/21 03:22	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	32505	07/26/21 10:03	AMB	TAL SPK
Dissolved	Analysis	6010D		1			32527	07/27/21 19:38	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32504	07/26/21 10:00	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32527	07/27/21 17:18	AMB	TAL SPK

Client Sample ID: GW-11218545-071421-AW-MW-12
Lab Sample ID: 590-15518-11
Date Collected: 07/14/21 14:54
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32478	07/23/21 01:26	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32477	07/23/21 01:26	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32476	07/22/21 13:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32479	07/22/21 20:30	NMI	TAL SPK
Total/NA	Prep	3510C			264.4 mL	2 mL	32471	07/22/21 11:52	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32465	07/23/21 03:42	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	32505	07/26/21 10:03	AMB	TAL SPK
Dissolved	Analysis	6010D		1			32527	07/27/21 19:59	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32504	07/26/21 10:00	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32527	07/27/21 17:22	AMB	TAL SPK

Client Sample ID: GW-11218545-071421-AW-MW-13
Lab Sample ID: 590-15518-12
Date Collected: 07/14/21 15:30
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32478	07/23/21 01:47	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32477	07/23/21 01:47	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32476	07/22/21 13:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32479	07/22/21 20:46	NMI	TAL SPK
Total/NA	Prep	3510C			270.6 mL	2 mL	32471	07/22/21 11:52	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32465	07/23/21 04:03	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	32505	07/26/21 10:03	AMB	TAL SPK
Dissolved	Analysis	6010D		1			32527	07/27/21 20:03	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32504	07/26/21 10:00	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32527	07/27/21 17:26	AMB	TAL SPK

Lab Chronicle

Client: GHD Services Inc.
Job ID: 590-15518-1
Project/Site: 1349 NW State Ave., Chehalis, WA

Client Sample ID: GW-11218545-071421-AW-MW-14
Lab Sample ID: 590-15518-13
Date Collected: 07/14/21 16:02
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32478	07/23/21 02:07	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32477	07/23/21 02:07	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32476	07/22/21 13:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32479	07/22/21 21:19	NMI	TAL SPK
Total/NA	Prep	3510C			248.8 mL	2 mL	32538	07/28/21 12:27	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32539	07/28/21 18:04	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	32505	07/26/21 10:03	AMB	TAL SPK
Dissolved	Analysis	6010D		1			32527	07/27/21 20:07	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32504	07/26/21 10:00	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32527	07/27/21 17:30	AMB	TAL SPK

Client Sample ID: GW-11218545-071421-AW-DUP-1
Lab Sample ID: 590-15518-14
Date Collected: 07/14/21 12:03
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32478	07/23/21 02:48	JSP	TAL SPK
Total/NA	Analysis	8260D		10	43 mL	43 mL	32485	07/23/21 12:48	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32477	07/23/21 02:48	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32476	07/22/21 13:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32479	07/22/21 21:36	NMI	TAL SPK
Total/NA	Prep	3510C			260.6 mL	2 mL	32538	07/28/21 12:27	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32539	07/28/21 18:25	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	32505	07/26/21 10:03	AMB	TAL SPK
Dissolved	Analysis	6010D		1			32527	07/27/21 20:11	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32504	07/26/21 10:00	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32527	07/27/21 17:34	AMB	TAL SPK

Client Sample ID: GW-11218545-071421-AW-TB-1
Lab Sample ID: 590-15518-15
Date Collected: 07/14/21 08:00
Matrix: Water
Date Received: 07/20/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32478	07/23/21 03:09	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32477	07/23/21 03:09	JSP	TAL SPK

Laboratory References:
TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: GHD Services Inc.
Job ID: 590-15518-1
Project/Site: 1349 NW State Ave., Chehalis, WA

Laboratory: Eurofins TestAmerica, Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-07-22
Washington	State	C569	01-06-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
NWTPH-Dx	3510C	Water	RRO (C25-C36)

Method Summary

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave., Chehalis, WA

Job ID: 590-15518-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	TAL SPK
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6010D	Metals (ICP)	SW846	TAL SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SPK
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SPK
5030C	Purge and Trap	SW846	TAL SPK
8011	Microextraction	SW846	TAL SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☑ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☐ OTHER	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Emily Blakeway		DATE: 7/14/21
PO #	**GSAP Project ID**	PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
ADDRESS: 1680 Rogers Ave., San Jose, CA
PROJECT CONTACT (Hardcopy or PDF Report to): Emily Blakeway
TELEPHONE: (425) 563-6502
FAX:
Bill To Contact E-MAIL: emily.blakeway@ghd.com

SITE ADDRESS: Street and City: 1349 NW State St., Chehalis
State: WA
GHD Project / Task Number: 11218545
EDF DELIVERABLE TO (Name, Company, Office Location): Emily Blakeway, GHD, Seattle
PHONE NO.: (425) 563-6502
E-MAIL: emily.blakeway@ghd.com
AECOM Other ID:
SAMPLER NAME(S) (Print): Andrew Luser
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

FIELD NOTES:
TEMPERATURE ON RECEIPT C°: 1.4°C

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	LAB-55 BTEX	SI LAB-123 - WA NW Dx Water	LAB-35 MTBE	LAB-36 TBA	LAB-36 TBA	LAB-37 DIPE	LAB-38 TAME	LAB-39 ETBE	TPH-D	WA - NWTPH-Gx	Total Lead	Dissolved Lead (Field Filtered)	EDB (8011)	EDC	Container PID Readings or Laboratory Notes
	GW-11218545-071421-AW-MW-2	7/14/21	1351	water	8	2				10	X	X	X						X	X	X	X	X	X	
	GW-11218545-071421-AW-MW-3	7/14/21	1153	water	8	2				10	X	X	X						X	X	X	X	X	X	
	GW-11218545-071421-AW-MW-4	7/14/21	1432	water	8	2				10	X	X	X						X	X	X	X	X	X	
	GW-11218545-071421-AW-MW-5	7/14/21	1631	water	8	2				10	X	X	X						X	X	X	X	X	X	
	GW-11218545-071421-AW-MW-6	7/14/21	1318	water	8	2				10	X	X	X						X	X	X	X	X	X	
	GW-11218545-071421-AW-MW-7	7/14/21	1237	water	8	2				10	X	X	X						X	X	X	X	X	X	
	GW-11218545-071421-AW-MW-8	7/14/21	1036	water	8	2				10	X	X	X						X	X	X	X	X	X	
	GW-11218545-071421-AW-MW-9	7/14/21	0925	water	8	2				10	X	X	X						X	X	X	X	X	X	
	GW-11218545-071421-AW-MW-10	7/14/21	1108	water	8	2				10	X	X	X						X	X	X	X	X	X	
	GW-11218545-071421-AW-MW-11	7/14/21	1003	water	8	2				10	X	X	X						X	X	X	X	X	X	

590-15518 Chain of Custody

	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Shipped Via Fed EX	7/19/21	1600
Relinquished by: (Signature)	SARAH HAYES	7/20/21	12:00
Relinquished by: (Signature)	Sarah Hayes	7/20/21	12:00

Version 14Dec15

Custody #421990

1.4°C IR006

8/4/2021

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☑ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☐ OTHER	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Emily Blakeway		DATE: 7/19/21
PO #	GSAP Project ID	PAGE: 2 of 2

SAMPLING COMPANY	LOG CODE	SITE ADDRESS: Street and City	State	GHD Project / Task Number:
Blaine Tech Services	BTSS	1349 NW State St., Chehalis	WA	11218545

ADDRESS: 1680 Rogers Ave., San Jose, CA

EDF DELIVERABLE TO (Name, Company, Office Location)	PHONE NO.	E-MAIL	AECOM Other ID
Emily Blakeway, GHD, Seattle	(425) 563-6502	emily.blakeway@ghd.com	

PROJECT CONTACT (Hardcopy or PDF Report to): Emily Blakeway

TELEPHONE	FAX	Bill To Contact E-MAIL
(425) 563-6502		emily.blakeway@ghd.com

SAMPLER NAME(S) (Print): Andrew Meser

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

UNIT COST: LAB-55 BTEX; St LAB-123 - WA NW Dx Water; LAB-35 MTBE; LAB-36 TBA; LAB-36 TBA; LAB-37 DIPE; LAB-38 TAME; LAB-39 ETBE; TPH-D

NON-UNIT COST: WA - NWTPH-Gx; Total Lead; Dissolved Lead (Field Filtered); EDB (8011); EDC

FIELD NOTES:

TEMPERATURE ON RECEIPT C°: 1.4 °C

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	LAB-55 BTEX	St LAB-123 - WA NW Dx Water	LAB-35 MTBE	LAB-36 TBA	LAB-36 TBA	LAB-37 DIPE	LAB-38 TAME	LAB-39 ETBE	TPH-D	WA - NWTPH-Gx	Total Lead	Dissolved Lead (Field Filtered)	EDB (8011)	EDC
	GW-11218545-071421-AU-MW-12	7/14/21	1454	water	8	2				10	X	X	X						X	X	X	X	X	X
	GW-11218545-071421-AU-MW-13	7/14/21	1530	water	8	2				10	X	X	X						X	X	X	X	X	X
	GW-11218545-071421-AU-MW-14	7/14/21	1602	water	8	2				10	X	X	X						X	X	X	X	X	X
	GW-11218545-071421-AU-DUP-1	7/14/21	1200	water	8	2				10	X	X	X						X	X	X	X	X	X
	GW-11218545-071421-AU-TB-1	7/14/21	0800	water	2					2	X									X				

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	Shipped via Fed EX	7/19/21	1600
Relinquished by: (Signature)	Received by: (Signature) SARAH HAYES	Date 7/20/21	Time 12:00
Relinquished by: (Signature)	Received by: (Signature) Sarah Hayes	Date 7/20/21	Time 12:00

Version: 14Dec15

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 590-15518-1

Login Number: 15518
List Number: 1
Creator: Irons, Nicole M

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-18955-1
Client Project/Site: 1349 NW State Ave, Chehalis, WA

For:
GHD Services Inc.
9725 3rd Avenue NE, Suite 204
Seattle, Washington 98115

Attn: Kinga Kozlowska

Authorized for release by:
10/27/2022 5:17:53 PM

Randee Arrington, Lab Director
(509)924-9200
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 590-18955-1

Job ID: 590-18955-1

Laboratory: Eurofins Spokane

Narrative

Receipt
The samples were received on 10/13/2022 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.9º C, 3.1º C and 3.5º C.

GC/MS VOA
Method 8260D: Surrogate recovery for the following samples were outside control limits: GW-11218545-101122-CM-MW-3 (590-18955-2), GW-11218545-101122-CM-MW-4 (590-18955-3) and GW-11218545-101122-CM-TB-1 (590-18955-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8260D: The initial calibration verification (ICV) result for batch 590-38736 was above the upper control limit for Dichlorodifluoromethane, Chloromethane, Butadiene, Vinyl chloride, Bromomethane, Chloroethane, Trichlorofluorometane, Dichlorofluoromethane, 1,1-Dichloroethene, Carbon disulfide, 1,1,2-Trichloro-1,2,2-trifluoroethane, and Iodomethane . Sample results were non-detects, and have been reported as qualified data.

Method NWTPH-Gx: The method blank for analytical batch 590-38598 contained TPH as Gasoline above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method NWTPH-Dx: Detected hydrocarbons in the diesel range appear to be due to gasoline overlap in the following samples: GW-11218545-101122-CM-MW-2 (590-18955-1), GW-11218545-101122-CM-MW-6 (590-18955-5) and GW-11218545-101122-CM-MW-7 (590-18955-6).

Method NWTPH-Dx: Detected hydrocarbons appear to be due to creosote or similar product as well as possible biogenic interference in the following sample: GW-11218545-101122-CM-MW-5 (590-18955-4).

Method NWTPH-Dx: Detected hydrocarbons appear to be due to heavily weathered diesel and/or possible biogenic interference in the following samples: GW-11218545-101122-CM-MW-8 (590-18955-7) and GW-11218545-101122-CM-MW-12 (590-18955-11).

Method NWTPH-Dx: Detected hydrocarbons in the diesel range appear to be due to oil overlap in the following samples: GW-11218545-101122-CM-MW-9 (590-18955-8), GW-11218545-101122-CM-MW-10 (590-18955-9) and GW-11218545-101122-CM-MW-13 (590-18955-12).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 590-18955-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-18955-1	GW-11218545-101122-CM-MW-2	Water	10/11/22 12:08	10/13/22 12:00
590-18955-2	GW-11218545-101122-CM-MW-3	Water	10/11/22 10:29	10/13/22 12:00
590-18955-3	GW-11218545-101122-CM-MW-4	Water	10/11/22 13:11	10/13/22 12:00
590-18955-4	GW-11218545-101122-CM-MW-5	Water	10/11/22 14:46	10/13/22 12:00
590-18955-5	GW-11218545-101122-CM-MW-6	Water	10/11/22 12:42	10/13/22 12:00
590-18955-6	GW-11218545-101122-CM-MW-7	Water	10/11/22 11:30	10/13/22 12:00
590-18955-7	GW-11218545-101122-CM-MW-8	Water	10/11/22 15:18	10/13/22 12:00
590-18955-8	GW-11218545-101122-CM-MW-9	Water	10/11/22 09:25	10/13/22 12:00
590-18955-9	GW-11218545-101122-CM-MW-10	Water	10/11/22 09:49	10/13/22 12:00
590-18955-10	GW-11218545-101122-CM-MW-11	Water	10/11/22 10:58	10/13/22 12:00
590-18955-11	GW-11218545-101122-CM-MW-12	Water	10/11/22 13:44	10/13/22 12:00
590-18955-12	GW-11218545-101122-CM-MW-13	Water	10/11/22 14:16	10/13/22 12:00
590-18955-13	GW-11218545-101122-CM-TB-1	Water	10/11/22 08:00	10/13/22 12:00

Definitions/Glossary

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: GW-11218545-101122-CM-MW-2
Lab Sample ID: 590-18955-1

Date Collected: 10/11/22 12:08
Matrix: Water
Date Received: 10/13/22 12:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	269		40.0	9.30	ug/L			10/24/22 15:52	100
EDC	ND		1.00	0.310	ug/L			10/14/22 14:00	1
Ethylbenzene	2.17		1.00	0.198	ug/L			10/14/22 14:00	1
Methyl tert-butyl ether	0.897	J	1.00	0.160	ug/L			10/14/22 14:00	1
m-Xylene & p-Xylene	28.4		2.00	0.280	ug/L			10/14/22 14:00	1
o-Xylene	1.30		1.00	0.162	ug/L			10/14/22 14:00	1
Toluene	12.0		1.00	0.312	ug/L			10/14/22 14:00	1
Xylenes, Total	29.7		3.00	0.442	ug/L			10/14/22 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/14/22 14:00*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/24/22 15:52*	*100*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*10/14/22 14:00*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/24/22 15:52*	*100*
1,2-Dichloroethane-d4 (Surr)	*90*		*80 - 120*		*10/14/22 14:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*10/24/22 15:52*	*100*
Toluene-d8 (Surr)	*89*		*80 - 120*		*10/14/22 14:00*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/24/22 15:52*	*100*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	1450	B	150	30.5	ug/L			10/14/22 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*		*10/14/22 14:00*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.00579	J	0.0100	0.00250	ug/L		10/18/22 11:14	10/18/22 18:46	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	639		220	101	ug/L		10/17/22 09:06	10/17/22 15:56	1
RRO (C25-C36)	134	J	366	110	ug/L		10/17/22 09:06	10/17/22 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*10/17/22 09:06*	*10/17/22 15:56*	*1*
n-Triacontane-d62	*87*		*50 - 150*	*10/17/22 09:06*	*10/17/22 15:56*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 09:53	10/24/22 17:57	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 10:14	10/24/22 18:55	1

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-MW-3
Lab Sample ID: 590-18955-2
Date Collected: 10/11/22 10:29
Matrix: Water
Date Received: 10/13/22 12:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			10/14/22 14:43	1
EDC	ND		1.00	0.310	ug/L			10/14/22 14:43	1
Ethylbenzene	ND		1.00	0.198	ug/L			10/14/22 14:43	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			10/14/22 14:43	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			10/14/22 14:43	1
o-Xylene	ND		1.00	0.162	ug/L			10/14/22 14:43	1
Toluene	ND		1.00	0.312	ug/L			10/14/22 14:43	1
Xylenes, Total	ND		3.00	0.442	ug/L			10/14/22 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*	*S1-*	*80 - 120*		*10/14/22 14:43*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*10/14/22 14:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*10/14/22 14:43*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/14/22 14:43*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**46.4**	**J B**	150	30.5	ug/L			10/14/22 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*68.7 - 141*		*10/14/22 14:43*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		10/18/22 11:14	10/18/22 19:02	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		221	101	ug/L		10/17/22 09:06	10/17/22 16:16	1
RRO (C25-C36)	ND		368	110	ug/L		10/17/22 09:06	10/17/22 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*50 - 150*	*10/17/22 09:06*	*10/17/22 16:16*	*1*
n-Triacontane-d62	*86*		*50 - 150*	*10/17/22 09:06*	*10/17/22 16:16*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 09:53	10/24/22 18:01	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 10:14	10/24/22 18:59	1

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-MW-4
Lab Sample ID: 590-18955-3
Date Collected: 10/11/22 13:11
Matrix: Water
Date Received: 10/13/22 12:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			10/14/22 15:47	1
EDC	ND		1.00	0.310	ug/L			10/14/22 15:47	1
Ethylbenzene	ND		1.00	0.198	ug/L			10/14/22 15:47	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			10/14/22 15:47	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			10/14/22 15:47	1
o-Xylene	ND		1.00	0.162	ug/L			10/14/22 15:47	1
Toluene	ND		1.00	0.312	ug/L			10/14/22 15:47	1
Xylenes, Total	ND		3.00	0.442	ug/L			10/14/22 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*	*S1-*	*80 - 120*		*10/14/22 15:47*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/14/22 15:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*10/14/22 15:47*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*10/14/22 15:47*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**48.9**	**J B**	150	30.5	ug/L			10/14/22 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*68.7 - 141*		*10/14/22 15:47*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		10/18/22 11:14	10/18/22 19:33	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**189**	**J**	221	102	ug/L		10/17/22 09:06	10/17/22 16:37	1
RRO (C25-C36)	ND		369	111	ug/L		10/17/22 09:06	10/17/22 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*10/17/22 09:06*	*10/17/22 16:37*	*1*
n-Triacontane-d62	*88*		*50 - 150*	*10/17/22 09:06*	*10/17/22 16:37*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 09:53	10/24/22 18:04	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 10:14	10/24/22 19:03	1

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-MW-5
Lab Sample ID: 590-18955-4
Date Collected: 10/11/22 14:46
Matrix: Water
Date Received: 10/13/22 12:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			10/14/22 16:09	1
EDC	ND		1.00	0.310	ug/L			10/14/22 16:09	1
Ethylbenzene	ND		1.00	0.198	ug/L			10/14/22 16:09	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			10/14/22 16:09	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			10/14/22 16:09	1
o-Xylene	ND		1.00	0.162	ug/L			10/14/22 16:09	1
Toluene	ND		1.00	0.312	ug/L			10/14/22 16:09	1
Xylenes, Total	ND		3.00	0.442	ug/L			10/14/22 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/14/22 16:09*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/14/22 16:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*10/14/22 16:09*	*1*
Toluene-d8 (Surr)	*86*		*80 - 120*		*10/14/22 16:09*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**40.9**	**J B**	150	30.5	ug/L			10/14/22 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*68.7 - 141*		*10/14/22 16:09*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		10/18/22 11:14	10/18/22 19:49	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**548**		224	103	ug/L		10/17/22 09:06	10/17/22 16:57	1
RRO (C25-C36)	**465**		374	112	ug/L		10/17/22 09:06	10/17/22 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*50 - 150*	*10/17/22 09:06*	*10/17/22 16:57*	*1*
n-Triacontane-d62	*97*		*50 - 150*	*10/17/22 09:06*	*10/17/22 16:57*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 09:53	10/24/22 18:08	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 10:14	10/24/22 19:07	1

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-MW-6
Lab Sample ID: 590-18955-5
Date Collected: 10/11/22 12:42
Matrix: Water
Date Received: 10/13/22 12:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.383**	**J**	0.400	0.0930	ug/L			10/14/22 16:30	1
EDC	ND		1.00	0.310	ug/L			10/14/22 16:30	1
Ethylbenzene	ND		1.00	0.198	ug/L			10/14/22 16:30	1
Methyl tert-butyl ether	**1.00**		1.00	0.160	ug/L			10/14/22 16:30	1
m-Xylene & p-Xylene	**4.33**		2.00	0.280	ug/L			10/14/22 16:30	1
o-Xylene	**1.20**		1.00	0.162	ug/L			10/14/22 16:30	1
Toluene	**1.24**		1.00	0.312	ug/L			10/14/22 16:30	1
Xylenes, Total	**5.53**		3.00	0.442	ug/L			10/14/22 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*10/14/22 16:30*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*10/14/22 16:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*		*10/14/22 16:30*	*1*
Toluene-d8 (Surr)	*85*		*80 - 120*		*10/14/22 16:30*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**442**	**B**	150	30.5	ug/L			10/14/22 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*68.7 - 141*		*10/14/22 16:30*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		10/18/22 11:14	10/18/22 20:05	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**594**		221	101	ug/L		10/17/22 09:06	10/17/22 17:18	1
RRO (C25-C36)	**154**	**J**	368	110	ug/L		10/17/22 09:06	10/17/22 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*10/17/22 09:06*	*10/17/22 17:18*	*1*
n-Triacontane-d62	*90*		*50 - 150*	*10/17/22 09:06*	*10/17/22 17:18*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 09:53	10/24/22 18:12	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 10:14	10/24/22 19:11	1

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-MW-7
Lab Sample ID: 590-18955-6
Date Collected: 10/11/22 11:30
Matrix: Water
Date Received: 10/13/22 12:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.10**		0.400	0.0930	ug/L			10/14/22 16:52	1
EDC	ND		1.00	0.310	ug/L			10/14/22 16:52	1
Ethylbenzene	**11.5**		1.00	0.198	ug/L			10/14/22 16:52	1
Methyl tert-butyl ether	**5.05**		1.00	0.160	ug/L			10/14/22 16:52	1
m-Xylene & p-Xylene	**30.4**		2.00	0.280	ug/L			10/14/22 16:52	1
o-Xylene	**1.66**		1.00	0.162	ug/L			10/14/22 16:52	1
Toluene	**1.38**		1.00	0.312	ug/L			10/14/22 16:52	1
Xylenes, Total	**32.0**		3.00	0.442	ug/L			10/14/22 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*10/14/22 16:52*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*10/14/22 16:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*80 - 120*		*10/14/22 16:52*	*1*
Toluene-d8 (Surr)	*84*		*80 - 120*		*10/14/22 16:52*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**1670**	**B**	150	30.5	ug/L			10/14/22 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*68.7 - 141*		*10/14/22 16:52*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		10/18/22 11:14	10/18/22 20:21	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**911**		228	105	ug/L		10/17/22 09:06	10/17/22 17:38	1
RRO (C25-C36)	**176**	**J**	380	114	ug/L		10/17/22 09:06	10/17/22 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*10/17/22 09:06*	*10/17/22 17:38*	*1*
n-Triacontane-d62	*93*		*50 - 150*	*10/17/22 09:06*	*10/17/22 17:38*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 09:53	10/24/22 18:16	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 10:14	10/24/22 19:15	1

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-MW-8
Lab Sample ID: 590-18955-7
Date Collected: 10/11/22 15:18
Matrix: Water
Date Received: 10/13/22 12:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.750**		0.400	0.0930	ug/L			10/14/22 17:40	1
EDC	ND		1.00	0.310	ug/L			10/14/22 17:40	1
Ethylbenzene	ND		1.00	0.198	ug/L			10/14/22 17:40	1
Methyl tert-butyl ether	**0.712**	**J**	1.00	0.160	ug/L			10/14/22 17:40	1
m-Xylene & p-Xylene	**8.38**		2.00	0.280	ug/L			10/14/22 17:40	1
o-Xylene	**1.41**		1.00	0.162	ug/L			10/14/22 17:40	1
Toluene	**0.536**	**J**	1.00	0.312	ug/L			10/14/22 17:40	1
Xylenes, Total	**9.80**		3.00	0.442	ug/L			10/14/22 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*10/14/22 17:40*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*10/14/22 17:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*10/14/22 17:40*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/14/22 17:40*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**390**	**B**	150	30.5	ug/L			10/14/22 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*68.7 - 141*		*10/14/22 17:40*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		10/18/22 11:14	10/18/22 20:37	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**347**		226	104	ug/L		10/17/22 09:06	10/17/22 17:59	1
RRO (C25-C36)	**140**	**J**	376	113	ug/L		10/17/22 09:06	10/17/22 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*10/17/22 09:06*	*10/17/22 17:59*	*1*
n-Triacontane-d62	*82*		*50 - 150*	*10/17/22 09:06*	*10/17/22 17:59*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 09:53	10/24/22 18:20	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 10:14	10/24/22 19:30	1

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-MW-9
Lab Sample ID: 590-18955-8
Date Collected: 10/11/22 09:25
Matrix: Water
Date Received: 10/13/22 12:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.56**		0.400	0.0930	ug/L			10/14/22 18:01	1
EDC	ND		1.00	0.310	ug/L			10/14/22 18:01	1
Ethylbenzene	**0.472**	**J**	1.00	0.198	ug/L			10/14/22 18:01	1
Methyl tert-butyl ether	**2.31**		1.00	0.160	ug/L			10/14/22 18:01	1
m-Xylene & p-Xylene	**2.55**		2.00	0.280	ug/L			10/14/22 18:01	1
o-Xylene	**0.484**	**J**	1.00	0.162	ug/L			10/14/22 18:01	1
Toluene	**0.396**	**J**	1.00	0.312	ug/L			10/14/22 18:01	1
Xylenes, Total	**3.03**		3.00	0.442	ug/L			10/14/22 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*10/14/22 18:01*	*1*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*10/14/22 18:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*10/14/22 18:01*	*1*
Toluene-d8 (Surr)	*82*		*80 - 120*		*10/14/22 18:01*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**442**	**B**	150	30.5	ug/L			10/14/22 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*68.7 - 141*		*10/14/22 18:01*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		10/18/22 11:14	10/18/22 20:53	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**1010**		244	112	ug/L		10/17/22 09:06	10/17/22 18:40	1
RRO (C25-C36)	**8950**		407	122	ug/L		10/17/22 09:06	10/17/22 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*10/17/22 09:06*	*10/17/22 18:40*	*1*
n-Triacontane-d62	*95*		*50 - 150*	*10/17/22 09:06*	*10/17/22 18:40*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 09:53	10/24/22 18:24	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 10:14	10/24/22 19:34	1

Client Sample ID: GW-11218545-101122-CM-MW-10
Lab Sample ID: 590-18955-9

Date Collected: 10/11/22 09:49
Matrix: Water
Date Received: 10/13/22 12:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			10/14/22 18:22	1
EDC	ND		1.00	0.310	ug/L			10/14/22 18:22	1
Ethylbenzene	ND		1.00	0.198	ug/L			10/14/22 18:22	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			10/14/22 18:22	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			10/14/22 18:22	1
o-Xylene	ND		1.00	0.162	ug/L			10/14/22 18:22	1
Toluene	ND		1.00	0.312	ug/L			10/14/22 18:22	1
Xylenes, Total	ND		3.00	0.442	ug/L			10/14/22 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*10/14/22 18:22*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/14/22 18:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*10/14/22 18:22*	*1*
Toluene-d8 (Surr)	*82*		*80 - 120*		*10/14/22 18:22*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**42.4**	**J B**	150	30.5	ug/L			10/14/22 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*68.7 - 141*		*10/14/22 18:22*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		10/18/22 11:14	10/18/22 21:09	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**487**		244	112	ug/L		10/17/22 09:06	10/17/22 19:00	1
RRO (C25-C36)	**2060**		407	122	ug/L		10/17/22 09:06	10/17/22 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*10/17/22 09:06*	*10/17/22 19:00*	*1*
n-Triacontane-d62	*90*		*50 - 150*	*10/17/22 09:06*	*10/17/22 19:00*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 09:53	10/24/22 18:40	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 10:14	10/24/22 19:38	1

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-MW-11
Lab Sample ID: 590-18955-10
Date Collected: 10/11/22 10:58
Matrix: Water
Date Received: 10/13/22 12:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.85**		0.400	0.0930	ug/L			10/14/22 18:43	1
EDC	ND		1.00	0.310	ug/L			10/14/22 18:43	1
Ethylbenzene	**0.378**	**J**	1.00	0.198	ug/L			10/14/22 18:43	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			10/14/22 18:43	1
m-Xylene & p-Xylene	**0.611**	**J**	2.00	0.280	ug/L			10/14/22 18:43	1
o-Xylene	**0.758**	**J**	1.00	0.162	ug/L			10/14/22 18:43	1
Toluene	ND		1.00	0.312	ug/L			10/14/22 18:43	1
Xylenes, Total	**1.37**	**J**	3.00	0.442	ug/L			10/14/22 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*80 - 120*		*10/14/22 18:43*	*1*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*10/14/22 18:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*		*10/14/22 18:43*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*10/14/22 18:43*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**306**	**B**	150	30.5	ug/L			10/14/22 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*68.7 - 141*		*10/14/22 18:43*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		10/18/22 11:14	10/18/22 21:25	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**116**	**J**	223	102	ug/L		10/17/22 09:06	10/17/22 19:21	1
RRO (C25-C36)	ND		371	111	ug/L		10/17/22 09:06	10/17/22 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*10/17/22 09:06*	*10/17/22 19:21*	*1*
n-Triacontane-d62	*92*		*50 - 150*	*10/17/22 09:06*	*10/17/22 19:21*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 09:53	10/24/22 18:43	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 10:14	10/24/22 19:42	1

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-MW-12
Lab Sample ID: 590-18955-11
Date Collected: 10/11/22 13:44
Matrix: Water
Date Received: 10/13/22 12:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			10/14/22 19:04	1
EDC	ND		1.00	0.310	ug/L			10/14/22 19:04	1
Ethylbenzene	ND		1.00	0.198	ug/L			10/14/22 19:04	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			10/14/22 19:04	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			10/14/22 19:04	1
o-Xylene	ND		1.00	0.162	ug/L			10/14/22 19:04	1
Toluene	ND		1.00	0.312	ug/L			10/14/22 19:04	1
Xylenes, Total	ND		3.00	0.442	ug/L			10/14/22 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*10/14/22 19:04*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/14/22 19:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*10/14/22 19:04*	*1*
Toluene-d8 (Surr)	*85*		*80 - 120*		*10/14/22 19:04*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**36.1**	**J B**	150	30.5	ug/L			10/14/22 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*68.7 - 141*		*10/14/22 19:04*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		10/18/22 11:14	10/18/22 21:41	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**263**		226	103	ug/L		10/17/22 09:06	10/17/22 19:41	1
RRO (C25-C36)	ND		376	113	ug/L		10/17/22 09:06	10/17/22 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*10/17/22 09:06*	*10/17/22 19:41*	*1*
n-Triacontane-d62	*93*		*50 - 150*	*10/17/22 09:06*	*10/17/22 19:41*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 09:53	10/24/22 18:47	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 10:14	10/24/22 19:46	1

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-MW-13
Lab Sample ID: 590-18955-12
Date Collected: 10/11/22 14:16
Matrix: Water
Date Received: 10/13/22 12:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			10/14/22 19:25	1
EDC	ND		1.00	0.310	ug/L			10/14/22 19:25	1
Ethylbenzene	ND		1.00	0.198	ug/L			10/14/22 19:25	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			10/14/22 19:25	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			10/14/22 19:25	1
o-Xylene	ND		1.00	0.162	ug/L			10/14/22 19:25	1
Toluene	ND		1.00	0.312	ug/L			10/14/22 19:25	1
Xylenes, Total	ND		3.00	0.442	ug/L			10/14/22 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/14/22 19:25*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/14/22 19:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*10/14/22 19:25*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*10/14/22 19:25*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**34.1**	**J B**	150	30.5	ug/L			10/14/22 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*		*10/14/22 19:25*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		10/18/22 11:14	10/18/22 21:56	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**440**		239	110	ug/L		10/17/22 09:06	10/17/22 20:02	1
RRO (C25-C36)	**2080**		399	120	ug/L		10/17/22 09:06	10/17/22 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*50 - 150*	*10/17/22 09:06*	*10/17/22 20:02*	*1*
n-Triacontane-d62	*87*		*50 - 150*	*10/17/22 09:06*	*10/17/22 20:02*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 09:53	10/24/22 18:51	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 10:14	10/24/22 19:49	1

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-TB-1
Lab Sample ID: 590-18955-13
Date Collected: 10/11/22 08:00
Matrix: Water
Date Received: 10/13/22 12:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			10/14/22 19:46	1
EDC	ND		1.00	0.310	ug/L			10/14/22 19:46	1
Ethylbenzene	ND		1.00	0.198	ug/L			10/14/22 19:46	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			10/14/22 19:46	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			10/14/22 19:46	1
o-Xylene	ND		1.00	0.162	ug/L			10/14/22 19:46	1
Toluene	ND		1.00	0.312	ug/L			10/14/22 19:46	1
Xylenes, Total	ND		3.00	0.442	ug/L			10/14/22 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*	*S1+*	*80 - 120*		*10/14/22 19:46*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/14/22 19:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*10/14/22 19:46*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*10/14/22 19:46*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	30.5	ug/L			10/14/22 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*68.7 - 141*		*10/14/22 19:46*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-38597/7
Matrix: Water
Analysis Batch: 38597

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			10/14/22 13:38	1
EDC	ND		1.00	0.310	ug/L			10/14/22 13:38	1
Ethylbenzene	ND		1.00	0.198	ug/L			10/14/22 13:38	1
Methyl tert-butyl ether	ND		1.00	0.160	ug/L			10/14/22 13:38	1
m-Xylene & p-Xylene	ND		2.00	0.280	ug/L			10/14/22 13:38	1
o-Xylene	ND		1.00	0.162	ug/L			10/14/22 13:38	1
Toluene	ND		1.00	0.312	ug/L			10/14/22 13:38	1
Xylenes, Total	ND		3.00	0.442	ug/L			10/14/22 13:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*80 - 120*		*10/14/22 13:38*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*10/14/22 13:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*10/14/22 13:38*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*10/14/22 13:38*	*1*

Lab Sample ID: LCS 590-38597/5
Matrix: Water
Analysis Batch: 38597

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	10.0	10.51		ug/L		105	80 - 126
EDC	10.0	11.17		ug/L		112	76 - 127
Ethylbenzene	10.0	10.78		ug/L		108	80 - 128
Methyl tert-butyl ether	10.0	11.35		ug/L		113	77 - 128
m-Xylene & p-Xylene	10.0	9.999		ug/L		100	80 - 127
o-Xylene	10.0	9.911		ug/L		99	80 - 126
Toluene	10.0	11.58		ug/L		116	80 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: LCSD 590-38597/1004
Matrix: Water
Analysis Batch: 38597

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	10.0	10.35		ug/L		103	80 - 126	2	18
EDC	10.0	9.542		ug/L		95	76 - 127	16	16
Ethylbenzene	10.0	9.184		ug/L		92	80 - 128	16	18
Methyl tert-butyl ether	10.0	10.18		ug/L		102	77 - 128	11	20
m-Xylene & p-Xylene	10.0	9.096		ug/L		91	80 - 127	9	18
o-Xylene	10.0	8.382		ug/L		84	80 - 126	17	17
Toluene	10.0	9.847		ug/L		98	80 - 129	16	18

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-38597/1004
Matrix: Water
Analysis Batch: 38597

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 590-18955-2 MS
Matrix: Water
Analysis Batch: 38597

Client Sample ID: GW-11218545-101122-CM-MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		10.0	11.20		ug/L		112	80 - 126
EDC	ND		10.0	10.51		ug/L		105	76 - 127
Ethylbenzene	ND		10.0	10.89		ug/L		109	80 - 128
Methyl tert-butyl ether	ND		10.0	10.98		ug/L		110	77 - 128
m-Xylene & p-Xylene	ND		10.0	9.991		ug/L		100	80 - 127
o-Xylene	ND		10.0	9.754		ug/L		98	80 - 126
Toluene	ND		10.0	10.81		ug/L		108	80 - 129

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 590-18955-2 MSD
Matrix: Water
Analysis Batch: 38597

Client Sample ID: GW-11218545-101122-CM-MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		10.0	10.87		ug/L		109	80 - 126	3	18
EDC	ND		10.0	11.06		ug/L		111	76 - 127	5	16
Ethylbenzene	ND		10.0	10.17		ug/L		102	80 - 128	7	18
Methyl tert-butyl ether	ND		10.0	10.94		ug/L		109	77 - 128	0	20
m-Xylene & p-Xylene	ND		10.0	9.275		ug/L		93	80 - 127	7	18
o-Xylene	ND		10.0	9.226		ug/L		92	80 - 126	6	17
Toluene	ND		10.0	10.58		ug/L		106	80 - 129	2	18

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-18955-1 DU
Matrix: Water
Analysis Batch: 38597

Client Sample ID: GW-11218545-101122-CM-MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
EDC	ND			ND		ug/L				NC	16
Ethylbenzene	2.17			2.139		ug/L				2	18
Methyl tert-butyl ether	0.897	J		0.8409	J	ug/L				6	20
m-Xylene & p-Xylene	28.4			26.74		ug/L				6	18
o-Xylene	1.30			1.207		ug/L				7	17
Toluene	12.0			13.58		ug/L				12	18
Xylenes, Total	29.7			27.95		ug/L				6	18

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*87*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: MB 590-38736/10
Matrix: Water
Analysis Batch: 38736

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			10/24/22 15:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/24/22 15:10*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/24/22 15:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*10/24/22 15:10*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/24/22 15:10*	*1*

Lab Sample ID: LCS 590-38736/5
Matrix: Water
Analysis Batch: 38736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			10.0	11.12		ug/L		111	80 - 126		
EDC			10.0	10.48		ug/L		105	76 - 127		
Ethylbenzene			10.0	10.88		ug/L		109	80 - 128		
Methyl tert-butyl ether			10.0	10.63		ug/L		106	77 - 128		
m-Xylene & p-Xylene			10.0	10.72		ug/L		107	80 - 127		
o-Xylene			10.0	11.06		ug/L		111	80 - 126		
Toluene			10.0	9.342		ug/L		93	80 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*87*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-38736/1004
Matrix: Water
Analysis Batch: 38736

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			10.0	11.32		ug/L		113	80 - 126	2	18
EDC			10.0	10.16		ug/L		102	76 - 127	3	16
Ethylbenzene			10.0	10.80		ug/L		108	80 - 128	1	18
Methyl tert-butyl ether			10.0	10.41		ug/L		104	77 - 128	2	20
m-Xylene & p-Xylene			10.0	10.75		ug/L		108	80 - 127	0	18
o-Xylene			10.0	10.93		ug/L		109	80 - 126	1	17
Toluene			10.0	9.689		ug/L		97	80 - 129	4	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*90*		*80 - 120*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-38598/7
Matrix: Water
Analysis Batch: 38598

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	34.76	J	150	30.5	ug/L			10/14/22 13:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*68.7 - 141*		*10/14/22 13:38*	*1*

Lab Sample ID: LCS 590-38598/1006
Matrix: Water
Analysis Batch: 38598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
TPH as Gasoline			1000	958.2		ug/L		95	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*68.7 - 141*

Lab Sample ID: LCSD 590-38598/1017
Matrix: Water
Analysis Batch: 38598

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline			1000	1120		ug/L		112	80 - 120	16	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*68.7 - 141*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) (Continued)

Lab Sample ID: 590-18955-1 DU
Matrix: Water
Analysis Batch: 38598

Client Sample ID: GW-11218545-101122-CM-MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
TPH as Gasoline	1450	B		1476		ug/L				1	35

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*68.7 - 141*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 590-38645/1-A
Matrix: Water
Analysis Batch: 38644

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38645

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0100	0.00250	ug/L		10/18/22 11:14	10/18/22 17:11	1

Lab Sample ID: LCS 590-38645/19-A
Matrix: Water
Analysis Batch: 38644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38645

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.125	0.09571		ug/L		77	60 - 140		

Lab Sample ID: LCS 590-38645/20-A
Matrix: Water
Analysis Batch: 38644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38645

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.125	0.09484		ug/L		76	60 - 140		

Lab Sample ID: LCS 590-38645/2-A
Matrix: Water
Analysis Batch: 38644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38645

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.125	0.1112		ug/L		89	60 - 140		

Lab Sample ID: LCSD 590-38645/3-A
Matrix: Water
Analysis Batch: 38644

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38645

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide			0.125	0.09034		ug/L		72	60 - 140	5	20

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-38609/1-A
Matrix: Water
Analysis Batch: 38615

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		240	110	ug/L		10/17/22 09:06	10/17/22 14:54	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: MB 590-38609/1-A
Matrix: Water
Analysis Batch: 38615

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
RRO (C25-C36)	ND		400	120	ug/L		10/17/22 09:06	10/17/22 14:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*10/17/22 09:06*	*10/17/22 14:54*	*1*
n-Triacontane-d62	*86*		*50 - 150*	*10/17/22 09:06*	*10/17/22 14:54*	*1*

Lab Sample ID: LCS 590-38609/2-A
Matrix: Water
Analysis Batch: 38615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38609

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
DRO (C10-C25)			1600	1320		ug/L		83	50 - 150		
RRO (C25-C36)			1600	1583		ug/L		99	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*90*		*50 - 150*
n-Triacontane-d62	*93*		*50 - 150*

Lab Sample ID: LCSD 590-38609/3-A
Matrix: Water
Analysis Batch: 38615

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38609

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C25)			1600	1456		ug/L		91	50 - 150	10	25
RRO (C25-C36)			1600	1737		ug/L		109	50 - 150	9	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*94*		*50 - 150*
n-Triacontane-d62	*98*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-38724/2-A
Matrix: Water
Analysis Batch: 38739

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 38724

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 09:53	10/24/22 13:47	1

Lab Sample ID: LCS 590-38724/1-A
Matrix: Water
Analysis Batch: 38739

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 38724

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			1000	993.7		ug/L		99	80 - 120		

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 590-18916-F-1-C MS
Matrix: Water
Analysis Batch: 38739

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 38724

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	ND		1000	973.6		ug/L		97	75 - 125

Lab Sample ID: 590-18916-F-1-D MSD
Matrix: Water
Analysis Batch: 38739

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 38724

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		1000	969.3		ug/L		97	75 - 125	0	20

Lab Sample ID: 590-18916-F-1-B DU
Matrix: Water
Analysis Batch: 38739

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 38724

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	ND		ND		ug/L		NC	20

Lab Sample ID: MB 590-38729/2-A
Matrix: Water
Analysis Batch: 38739

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 38729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		10/24/22 10:14	10/24/22 14:54	1

Lab Sample ID: LCS 590-38729/1-A
Matrix: Water
Analysis Batch: 38739

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 38729

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1000	994.1		ug/L		99	80 - 120

Lab Sample ID: 590-18916-E-1-C MS
Matrix: Water
Analysis Batch: 38739

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 38729

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	ND		1000	988.3		ug/L		99	75 - 125

Lab Sample ID: 590-18916-E-1-D MSD
Matrix: Water
Analysis Batch: 38739

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 38729

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		1000	972.7		ug/L		97	75 - 125	2	20

Lab Sample ID: 590-18916-E-1-B DU
Matrix: Water
Analysis Batch: 38739

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 38729

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	ND		ND		ug/L		NC	20

Lab Chronicle

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-MW-2
Lab Sample ID: 590-18955-1
Date Collected: 10/11/22 12:08
Matrix: Water
Date Received: 10/13/22 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38597	10/14/22 14:00	JSP	EET SPK
Total/NA	Analysis	8260D		100	43 mL	43 mL	38736	10/24/22 15:52	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38598	10/14/22 14:00	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	38645	10/18/22 11:14	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	38644	10/18/22 18:46	NMI	EET SPK
Total/NA	Prep	3510C			273.3 mL	2 mL	38609	10/17/22 09:06	M1V	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38615	10/17/22 15:56	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	38729	10/24/22 10:14	AMB	EET SPK
Dissolved	Analysis	6010D		1			38739	10/24/22 18:55	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	38724	10/24/22 09:53	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			38739	10/24/22 17:57	AMB	EET SPK

Client Sample ID: GW-11218545-101122-CM-MW-3
Lab Sample ID: 590-18955-2
Date Collected: 10/11/22 10:29
Matrix: Water
Date Received: 10/13/22 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38597	10/14/22 14:43	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38598	10/14/22 14:43	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	38645	10/18/22 11:14	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	38644	10/18/22 19:02	NMI	EET SPK
Total/NA	Prep	3510C			271.5 mL	2 mL	38609	10/17/22 09:06	M1V	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38615	10/17/22 16:16	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	38729	10/24/22 10:14	AMB	EET SPK
Dissolved	Analysis	6010D		1			38739	10/24/22 18:59	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	38724	10/24/22 09:53	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			38739	10/24/22 18:01	AMB	EET SPK

Client Sample ID: GW-11218545-101122-CM-MW-4
Lab Sample ID: 590-18955-3
Date Collected: 10/11/22 13:11
Matrix: Water
Date Received: 10/13/22 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38597	10/14/22 15:47	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38598	10/14/22 15:47	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	38645	10/18/22 11:14	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	38644	10/18/22 19:33	NMI	EET SPK
Total/NA	Prep	3510C			270.9 mL	2 mL	38609	10/17/22 09:06	M1V	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38615	10/17/22 16:37	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	38729	10/24/22 10:14	AMB	EET SPK
Dissolved	Analysis	6010D		1			38739	10/24/22 19:03	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	38724	10/24/22 09:53	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			38739	10/24/22 18:04	AMB	EET SPK

Lab Chronicle

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-MW-5
Lab Sample ID: 590-18955-4
Date Collected: 10/11/22 14:46
Matrix: Water
Date Received: 10/13/22 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38597	10/14/22 16:09	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38598	10/14/22 16:09	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	38645	10/18/22 11:14	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	38644	10/18/22 19:49	NMI	EET SPK
Total/NA	Prep	3510C			267.6 mL	2 mL	38609	10/17/22 09:06	M1V	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38615	10/17/22 16:57	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	38729	10/24/22 10:14	AMB	EET SPK
Dissolved	Analysis	6010D		1			38739	10/24/22 19:07	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	38724	10/24/22 09:53	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			38739	10/24/22 18:08	AMB	EET SPK

Client Sample ID: GW-11218545-101122-CM-MW-6
Lab Sample ID: 590-18955-5
Date Collected: 10/11/22 12:42
Matrix: Water
Date Received: 10/13/22 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38597	10/14/22 16:30	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38598	10/14/22 16:30	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	38645	10/18/22 11:14	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	38644	10/18/22 20:05	NMI	EET SPK
Total/NA	Prep	3510C			271.5 mL	2 mL	38609	10/17/22 09:06	M1V	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38615	10/17/22 17:18	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	38729	10/24/22 10:14	AMB	EET SPK
Dissolved	Analysis	6010D		1			38739	10/24/22 19:11	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	38724	10/24/22 09:53	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			38739	10/24/22 18:12	AMB	EET SPK

Client Sample ID: GW-11218545-101122-CM-MW-7
Lab Sample ID: 590-18955-6
Date Collected: 10/11/22 11:30
Matrix: Water
Date Received: 10/13/22 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38597	10/14/22 16:52	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38598	10/14/22 16:52	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	38645	10/18/22 11:14	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	38644	10/18/22 20:21	NMI	EET SPK
Total/NA	Prep	3510C			263 mL	2 mL	38609	10/17/22 09:06	M1V	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38615	10/17/22 17:38	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	38729	10/24/22 10:14	AMB	EET SPK
Dissolved	Analysis	6010D		1			38739	10/24/22 19:15	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	38724	10/24/22 09:53	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			38739	10/24/22 18:16	AMB	EET SPK

Lab Chronicle

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-MW-8
Lab Sample ID: 590-18955-7
Date Collected: 10/11/22 15:18
Matrix: Water
Date Received: 10/13/22 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38597	10/14/22 17:40	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38598	10/14/22 17:40	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	38645	10/18/22 11:14	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	38644	10/18/22 20:37	NMI	EET SPK
Total/NA	Prep	3510C			265.7 mL	2 mL	38609	10/17/22 09:06	M1V	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38615	10/17/22 17:59	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	38729	10/24/22 10:14	AMB	EET SPK
Dissolved	Analysis	6010D		1			38739	10/24/22 19:30	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	38724	10/24/22 09:53	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			38739	10/24/22 18:20	AMB	EET SPK

Client Sample ID: GW-11218545-101122-CM-MW-9
Lab Sample ID: 590-18955-8
Date Collected: 10/11/22 09:25
Matrix: Water
Date Received: 10/13/22 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38597	10/14/22 18:01	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38598	10/14/22 18:01	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	38645	10/18/22 11:14	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	38644	10/18/22 20:53	NMI	EET SPK
Total/NA	Prep	3510C			245.9 mL	2 mL	38609	10/17/22 09:06	M1V	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38615	10/17/22 18:40	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	38729	10/24/22 10:14	AMB	EET SPK
Dissolved	Analysis	6010D		1			38739	10/24/22 19:34	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	38724	10/24/22 09:53	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			38739	10/24/22 18:24	AMB	EET SPK

Client Sample ID: GW-11218545-101122-CM-MW-10
Lab Sample ID: 590-18955-9
Date Collected: 10/11/22 09:49
Matrix: Water
Date Received: 10/13/22 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38597	10/14/22 18:22	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38598	10/14/22 18:22	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	38645	10/18/22 11:14	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	38644	10/18/22 21:09	NMI	EET SPK
Total/NA	Prep	3510C			245.9 mL	2 mL	38609	10/17/22 09:06	M1V	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38615	10/17/22 19:00	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	38729	10/24/22 10:14	AMB	EET SPK
Dissolved	Analysis	6010D		1			38739	10/24/22 19:38	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	38724	10/24/22 09:53	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			38739	10/24/22 18:40	AMB	EET SPK

Lab Chronicle

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-MW-11
Lab Sample ID: 590-18955-10
Date Collected: 10/11/22 10:58
Matrix: Water
Date Received: 10/13/22 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38597	10/14/22 18:43	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38598	10/14/22 18:43	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	38645	10/18/22 11:14	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	38644	10/18/22 21:25	NMI	EET SPK
Total/NA	Prep	3510C			269.5 mL	2 mL	38609	10/17/22 09:06	M1V	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38615	10/17/22 19:21	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	38729	10/24/22 10:14	AMB	EET SPK
Dissolved	Analysis	6010D		1			38739	10/24/22 19:42	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	38724	10/24/22 09:53	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			38739	10/24/22 18:43	AMB	EET SPK

Client Sample ID: GW-11218545-101122-CM-MW-12
Lab Sample ID: 590-18955-11
Date Collected: 10/11/22 13:44
Matrix: Water
Date Received: 10/13/22 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38597	10/14/22 19:04	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38598	10/14/22 19:04	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	38645	10/18/22 11:14	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	38644	10/18/22 21:41	NMI	EET SPK
Total/NA	Prep	3510C			265.8 mL	2 mL	38609	10/17/22 09:06	M1V	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38615	10/17/22 19:41	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	38729	10/24/22 10:14	AMB	EET SPK
Dissolved	Analysis	6010D		1			38739	10/24/22 19:46	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	38724	10/24/22 09:53	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			38739	10/24/22 18:47	AMB	EET SPK

Client Sample ID: GW-11218545-101122-CM-MW-13
Lab Sample ID: 590-18955-12
Date Collected: 10/11/22 14:16
Matrix: Water
Date Received: 10/13/22 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38597	10/14/22 19:25	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38598	10/14/22 19:25	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	38645	10/18/22 11:14	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	38644	10/18/22 21:56	NMI	EET SPK
Total/NA	Prep	3510C			250.6 mL	2 mL	38609	10/17/22 09:06	M1V	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38615	10/17/22 20:02	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	38729	10/24/22 10:14	AMB	EET SPK
Dissolved	Analysis	6010D		1			38739	10/24/22 19:49	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	38724	10/24/22 09:53	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			38739	10/24/22 18:51	AMB	EET SPK

Lab Chronicle

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Client Sample ID: GW-11218545-101122-CM-TB-1
Lab Sample ID: 590-18955-13

Date Collected: 10/11/22 08:00
Matrix: Water
Date Received: 10/13/22 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38597	10/14/22 19:46	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38598	10/14/22 19:46	JSP	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: GHD Services Inc.
Job ID: 590-18955-1
Project/Site: 1349 NW State Ave, Chehalis, WA

Laboratory: Eurofins Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-08-22
Washington	State	C569	01-06-23

Method Summary

Client: GHD Services Inc.
Project/Site: 1349 NW State Ave, Chehalis, WA

Job ID: 590-18955-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
6010D	Metals (ICP)	SW846	EET SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SPK
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET SPK
5030C	Purge and Trap	SW846	EET SPK
8011	Microextraction	SW846	EET SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

Please Check Appropriate Box:		
☐ SGW FDG	☐ PIPELINE	☑ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☐ OTHER	

Print Bill To Contact Name: Kinga Kozlowska
PO #:
PlaNet Site or Project ID:
GSAP Project ID:
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 10/11/22
PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
SITE ADDRESS: Street and City: 1349 NW State St., Chehalis
State: WA
GHD Project / Task Number: 11218545
ADDRESS: 1680 Rogers Ave., San Jose, CA
EDF DELIVERABLE TO (Name, Company, Office Location): Kinga Kozlowska, GHD, Seattle
PHONE NO.: 425-444-4842
E-MAIL: kinga.kozlowska@ghd.com
AECOM Other ID:
PROJECT CONTACT (Hardcopy or PDF Report to): Kinga Kozlowska
TELEPHONE: 425-444-4842
FAX:
Bill To Contact E-MAIL: kinga.kozlowska@ghd.com
SAMPLER NAME(S) (Print): Christina Mroz
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

UNIT COST: LAB-55 BTEX; St LAB-123 WA NW Dx Water; LAB-35 MTBE; LAB-38 TBA; LAB-38 TBA; LAB-37 DIPE; LAB-38 TAME; LAB-39 ETBE; TPH-D

NON-UNIT COST: WA NWTPH-Dx; Total Lead; Dissolved Lead (Field Filtered); EDB (8011); EDC

FIELD NOTES

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.
	GW-11218545-101122-cm-mw2	10/11/22	1208	GW	X	X				10
	GW-11218545-101122-cm-mw3		1029		X	X				10
	GW-11218545-101122-cm-mw4		1311		X	X				10
	GW-11218545-101122-cm-mw5		1446		X	X				10
	GW-11218546-101122-cm-mw6		1242		X	X				10
	GW-11218545-101122-cm-mw7		1130		X	X				10
	GW-11218545-101122-cm-mw8		1518		X	X				10
	GW-11218545-101122-cm-mw9		0925		X	X				10
	GW-11218545-101122-cm-mw10		0949		X	X				10
	GW-11218545-101122-cm-mw11		1058		X	X				10

590-18955 Chain of Custody

	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	SHIPPED VIA FEDEX	10/12/22	1600
Relinquished by: (Signature)		10/18/22	1200
Relinquished by: (Signature)			

Version: 14Dec15

2.9 3.1 3.5 1005

10/27/2022

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☑ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☐ OTHER _____

Print Bill To Contact Name: Kinga Kozlowska
PO #:
PlaNet Site or Project ID:
GSAP Project ID:
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 10/11/22
PAGE: 2 of 2

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
SITE ADDRESS: Street and City: 1349 NW State St., Chehalis
State: WA
GHD Project / Task Number: 11218545
ADDRESS: 1680 Rogers Ave. San Jose, CA
EDF DELIVERABLE TO (Name, Company, Office Location): Kinga Kozlowska, GHD, Seattle
PHONE NO.: 425-444-4842
E-MAIL: kinga.kozlowska@ghd.com
AECOM Other ID
PROJECT CONTACT (Hardcopy or PDF Report to): Kinga Kozlowska
TELEPHONE: 425-444-4842
FAX:
Bill To Contact E-MAIL: kinga.kozlowska@ghd.com
SAMPLER NAME(S) (Print): Christina Mroz
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

UNIT COST: LAB-55 BTEX; St LAB-123 - WA NW Dx Water; LAB-35 MTBE; LAB-38 TBA; LAB-36 TBA; LAB-37 DIPE; LAB-36 TAME; LAB-39 ETBE; TPH-D
NON-UNIT COST: WA NWTPH-Gx; Total Lead; Dissolved Lead (Field Filtered); EDB (8011); EDC

FIELD NOTES.
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	LAB-55 BTEX	St LAB-123 - WA NW Dx Water	LAB-35 MTBE	LAB-38 TBA	LAB-36 TBA	LAB-37 DIPE	LAB-36 TAME	LAB-39 ETBE	TPH-D	WA NWTPH-Gx	Total Lead	Dissolved Lead (Field Filtered)	EDB (8011)	EDC
	GW-11218545-101122-cm-MW-12	10/11/22	1344	GW	X	X				10	X	X	X						X	X	X	X	X	X
	GW-11218545-101122-cm-MW-13		1416		X	X				10	X	X	X						X	X	X	X	X	X
	GW-11218545-101122-cm-TB-1		0800		X	X				2	X		X							X			X	X

Relinquished by: (Signature)
Received by: (Signature) SHIPPED VIA FEDEX
Date: 10/12/22
Time: 1600

Relinquished by: (Signature)
Received by: (Signature)
Date:
Time:

Relinquished by: (Signature)
Received by: (Signature)
Date:
Time:

Version: 14Dec15

10/27/2022

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 590-18955-1

Login Number: 18955
List Number: 1
Creator: Fettig, Riley

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kinga Kozlowska
GHD Services Inc.
9725 3rd Avenue NE, Suite 204
Seattle, Washington 98115

Generated 10/17/2023 2:25:28 PM

JOB DESCRIPTION

Shell-State St, Chehalis
SDG NUMBER 1349 NW State St, Chehalis WA

JOB NUMBER

580-131845-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization

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10/17/2023 2:25:28 PM

Authorized for release by
Katie Grant, Project Manager I
Katie.Grant@et.eurofinsus.com
(253)922-2310

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Job ID: 580-131845-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative
580-131845-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/21/2023 11:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.8°C and 4.0°C

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
Method 8011: The following sample formed emulsions during the extraction procedure: GW-11218545-092023-FD-MW-10 (580-131845-9). The emulsions were broken up using centrifugation. <EXPLANATION_REQUIRED>.

Method 8011: The continuing calibration verification (CCV) associated with batch preparation batch 580-439367 and analytical batch 580-439497 recovered above the upper control limit for 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane and 1,2,3-Trichloropropane. The samples associated with this CCV had no detections above the reporting limit (RL) for the target analytes; therefore, the data have been reported. The associated samples are impacted: GW-11218545-092023-FD-MW-2 (580-131845-1), GW-11218545-092023-FD-MW-3 (580-131845-2), GW-11218545-092023-FD-MW-4 (580-131845-3), GW-11218545-092023-FD-MW-5 (580-131845-4), GW-11218545-092023-FD-MW-6 (580-131845-5), GW-11218545-092023-FD-MW-7 (580-131845-6), GW-11218545-092023-FD-MW-8 (580-131845-7), GW-11218545-092023-FD-MW-9 (580-131845-8), GW-11218545-092023-FD-MW-10 (580-131845-9), GW-11218545-092023-FD-MW-11 (580-131845-10), GW-11218545-092023-FD-MW-12 (580-131845-11), GW-11218545-092023-FD-MW-13 (580-131845-12), GW-11218545-092023-FD-TB-1 (580-131845-13), (CCV 580-439367/5-A) and (580-131702-C-2-A).

Method NWTPH_Dx: The continuing calibration verification (CCV) standard associated with batch 580-441022 recovered outside %Drift criteria for o-Terphenyl (Surr). The associated samples and laboratory quality control (QC) samples recovered within, and were not biased into, acceptance criteria; therefore, the data have been reported.
GW-11218545-092023-FD-MW-2 (580-131845-1), GW-11218545-092023-FD-MW-3 (580-131845-2), GW-11218545-092023-FD-MW-4 (580-131845-3), GW-11218545-092023-FD-MW-5 (580-131845-4), GW-11218545-092023-FD-MW-6 (580-131845-5), GW-11218545-092023-FD-MW-7 (580-131845-6), GW-11218545-092023-FD-MW-8 (580-131845-7), GW-11218545-092023-FD-MW-9 (580-131845-8), GW-11218545-092023-FD-MW-10 (580-131845-9), GW-11218545-092023-FD-MW-11 (580-131845-10), GW-11218545-092023-FD-MW-12 (580-131845-11), GW-11218545-092023-FD-MW-13 (580-131845-12), (CCV 580-441022/33), (LCS 580-438555/2-B), (LCSD 580-438555/3-B) and (MB 580-438555/1-B)

Method NWTPH_Dx: The continuing calibration verification (CCV) standard associated with batch 580-438777 recovered outside of %Drift criteria. The associated samples recovered within, and were not biased into, acceptance limits; therefore, the data have been reported.
GW-11218545-092023-FD-MW-2 (580-131845-1), GW-11218545-092023-FD-MW-3 (580-131845-2), GW-11218545-092023-FD-MW-4 (580-131845-3), GW-11218545-092023-FD-MW-5 (580-131845-4), GW-11218545-092023-FD-MW-6 (580-131845-5), GW-11218545-092023-FD-MW-7 (580-131845-6), GW-11218545-092023-FD-MW-8 (580-131845-7), GW-11218545-092023-FD-MW-9 (580-131845-8), GW-11218545-092023-FD-MW-10 (580-131845-9), GW-11218545-092023-FD-MW-11 (580-131845-10), GW-11218545-092023-FD-MW-12 (580-131845-11), GW-11218545-092023-FD-MW-13 (580-131845-12), (CCV 580-438777/14), (CCV 580-438777/25), (CCV 580-438777/36) and (CCVRT 580-438777/3)

Job ID: 580-131845-1 (Continued)

Laboratory: Eurofins Seattle (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: GHD Services Inc.
Project/Site: Shell-State St, Chehalis

Job ID: 580-131845-1
SDG: 1349 NW State St, Chehalis WA

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: GW-11218545-092023-FD-MW-2

Lab Sample ID: 580-131845-1

Date Collected: 09/20/23 13:06

Matrix: Water

Date Received: 09/21/23 11:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**144**		1.00	0.240	ug/L			09/28/23 09:16	1
EDC	ND		1.00	0.420	ug/L			09/28/23 09:16	1
Ethylbenzene	**1.54**		1.00	0.500	ug/L			09/28/23 09:16	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 09:16	1
Toluene	**14.4**		1.00	0.390	ug/L			09/28/23 09:16	1
Xylenes, Total	**11.4**		2.00	0.530	ug/L			09/28/23 09:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*09/28/23 09:16*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*09/28/23 09:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*		*09/28/23 09:16*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/28/23 09:16*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**865**		50.0	14.0	ug/L			09/28/23 09:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*77 - 123*		*09/28/23 09:16*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.00997	0.00199	ug/L		09/30/23 09:12	10/03/23 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*110*		*60 - 140*	*09/30/23 09:12*	*10/03/23 03:54*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**262**		114	67.4	ug/L		09/25/23 09:21	10/17/23 01:40	1
Motor Oil (>C24-C36)	**495**		363	99.6	ug/L		09/25/23 09:21	10/17/23 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*09/25/23 09:21*	*10/17/23 01:40*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**2590**		114	67.4	ug/L		09/25/23 09:21	09/26/23 20:45	1
Motor Oil (>C24-C36)	**1340**		363	99.6	ug/L		09/25/23 09:21	09/26/23 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*67*		*50 - 150*	*09/25/23 09:21*	*09/26/23 20:45*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0	2.70	ug/L		09/29/23 16:37	10/02/23 16:45	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**5.49**		2.00	0.200	ug/L		09/25/23 16:24	09/26/23 16:14	5

Client Sample ID: GW-11218545-092023-FD-MW-3

Date Collected: 09/20/23 13:40
Date Received: 09/21/23 11:45

Lab Sample ID: 580-131845-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
EDC	ND		1.00	0.420	ug/L			09/28/23 09:40	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/28/23 09:40	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 09:40	1
Toluene	ND		1.00	0.390	ug/L			09/28/23 09:40	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/28/23 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*09/28/23 09:40*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*09/28/23 09:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*09/28/23 09:40*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/28/23 09:40*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/29/23 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*09/29/23 14:25*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/29/23 14:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*09/29/23 14:25*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/29/23 14:25*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		50.0	14.0	ug/L			09/28/23 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*77 - 123*		*09/28/23 09:40*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.00997	0.00199	ug/L		09/30/23 09:12	10/03/23 04:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*126*		*60 - 140*	*09/30/23 09:12*	*10/03/23 04:10*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	ND		114	67.6	ug/L		09/25/23 09:21	10/17/23 02:00	1
Motor Oil (>C24-C36)	ND		364	99.8	ug/L		09/25/23 09:21	10/17/23 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*09/25/23 09:21*	*10/17/23 02:00*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**117**		114	67.6	ug/L		09/25/23 09:21	09/26/23 21:04	1
Motor Oil (>C24-C36)	**240**	**J**	364	99.8	ug/L		09/25/23 09:21	09/26/23 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*50 - 150*	*09/25/23 09:21*	*09/26/23 21:04*	*1*

Client: GHD Services Inc.
Project/Site: Shell-State St, Chehalis

Job ID: 580-131845-1
SDG: 1349 NW State St, Chehalis WA

Client Sample ID: GW-11218545-092023-FD-MW-3

Lab Sample ID: 580-131845-2

Date Collected: 09/20/23 13:40
Matrix: Water
Date Received: 09/21/23 11:45

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0	2.70	ug/L		09/29/23 16:37	10/02/23 16:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/25/23 16:24	09/26/23 15:53	5

Client Sample ID: GW-11218545-092023-FD-MW-4

Date Collected: 09/20/23 10:25
Date Received: 09/21/23 11:45

Lab Sample ID: 580-131845-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/28/23 10:04	1
EDC	ND		1.00	0.420	ug/L			09/28/23 10:04	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/28/23 10:04	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 10:04	1
Toluene	ND		1.00	0.390	ug/L			09/28/23 10:04	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/28/23 10:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*09/28/23 10:04*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*09/28/23 10:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*09/28/23 10:04*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/23 10:04*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**22.2**	**J**	50.0	14.0	ug/L			09/28/23 10:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*09/28/23 10:04*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0101	0.00202	ug/L		09/30/23 09:12	10/03/23 04:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*141*	*S1+*	*60 - 140*	*09/30/23 09:12*	*10/03/23 04:25*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	ND		116	68.4	ug/L		09/25/23 09:21	10/17/23 02:21	1
Motor Oil (>C24-C36)	ND		369	101	ug/L		09/25/23 09:21	10/17/23 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 150*	*09/25/23 09:21*	*10/17/23 02:21*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**511**		116	68.4	ug/L		09/25/23 09:21	09/26/23 21:43	1
Motor Oil (>C24-C36)	**511**		369	101	ug/L		09/25/23 09:21	09/26/23 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*09/25/23 09:21*	*09/26/23 21:43*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0	2.70	ug/L		09/29/23 16:37	10/02/23 16:52	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/25/23 16:24	09/26/23 15:56	5

Client: GHD Services Inc.
Project/Site: Shell-State St, Chehalis

Job ID: 580-131845-1
SDG: 1349 NW State St, Chehalis WA

Client Sample ID: GW-11218545-092023-FD-MW-5

Date Collected: 09/20/23 11:42
Date Received: 09/21/23 11:45

Lab Sample ID: 580-131845-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/28/23 10:28	1
EDC	ND		1.00	0.420	ug/L			09/28/23 10:28	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/28/23 10:28	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 10:28	1
Toluene	ND		1.00	0.390	ug/L			09/28/23 10:28	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/28/23 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*09/28/23 10:28*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*09/28/23 10:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*09/28/23 10:28*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/28/23 10:28*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		50.0	14.0	ug/L			09/28/23 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*09/28/23 10:28*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0101	0.00201	ug/L		09/30/23 09:12	10/03/23 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*128*		*60 - 140*	*09/30/23 09:12*	*10/03/23 04:40*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**97.5**	**J**	114	67.3	ug/L		09/25/23 09:21	10/17/23 02:41	1
Motor Oil (>C24-C36)	ND		363	99.5	ug/L		09/25/23 09:21	10/17/23 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*50 - 150*	*09/25/23 09:21*	*10/17/23 02:41*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**1050**		114	67.3	ug/L		09/25/23 09:21	09/26/23 22:03	1
Motor Oil (>C24-C36)	**852**		363	99.5	ug/L		09/25/23 09:21	09/26/23 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*50 - 150*	*09/25/23 09:21*	*09/26/23 22:03*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**2.80**	**J**	30.0	2.70	ug/L		09/29/23 16:37	10/02/23 16:55	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/25/23 16:24	09/26/23 15:58	5

Client Sample ID: GW-11218545-092023-FD-MW-6

Date Collected: 09/20/23 10:02
Date Received: 09/21/23 11:45

Lab Sample ID: 580-131845-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.365**	**J**	1.00	0.240	ug/L			09/28/23 10:53	1
EDC	ND		1.00	0.420	ug/L			09/28/23 10:53	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/28/23 10:53	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 10:53	1
Toluene	**0.904**	**J**	1.00	0.390	ug/L			09/28/23 10:53	1
Xylenes, Total	**4.43**		2.00	0.530	ug/L			09/28/23 10:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*09/28/23 10:53*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/28/23 10:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*09/28/23 10:53*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/23 10:53*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**471**		50.0	14.0	ug/L			09/28/23 10:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*77 - 123*		*09/28/23 10:53*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0102	0.00204	ug/L		09/30/23 09:12	10/03/23 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*129*		*60 - 140*	*09/30/23 09:12*	*10/03/23 04:55*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**162**		112	66.4	ug/L		09/25/23 09:21	10/17/23 03:01	1
Motor Oil (>C24-C36)	ND		357	98.0	ug/L		09/25/23 09:21	10/17/23 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*09/25/23 09:21*	*10/17/23 03:01*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**1900**		112	66.4	ug/L		09/25/23 09:21	09/26/23 22:23	1
Motor Oil (>C24-C36)	**600**		357	98.0	ug/L		09/25/23 09:21	09/26/23 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 150*	*09/25/23 09:21*	*09/26/23 22:23*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.20**	**J**	30.0	2.70	ug/L		09/29/23 16:37	10/02/23 16:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/25/23 16:24	09/26/23 16:01	5

Client Sample ID: GW-11218545-092023-FD-MW-7

Date Collected: 09/20/23 14:28
Date Received: 09/21/23 11:45

Lab Sample ID: 580-131845-6

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.88**		1.00	0.240	ug/L			09/28/23 11:17	1
EDC	ND		1.00	0.420	ug/L			09/28/23 11:17	1
Ethylbenzene	**4.68**		1.00	0.500	ug/L			09/28/23 11:17	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 11:17	1
Toluene	**1.13**		1.00	0.390	ug/L			09/28/23 11:17	1
Xylenes, Total	**4.19**		2.00	0.530	ug/L			09/28/23 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*09/28/23 11:17*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*09/28/23 11:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*09/28/23 11:17*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/28/23 11:17*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**1370**		50.0	14.0	ug/L			09/28/23 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*		*09/28/23 11:17*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.00989	0.00198	ug/L		09/30/23 09:12	10/03/23 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*139*		*60 - 140*	*09/30/23 09:12*	*10/03/23 05:11*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**363**		114	67.4	ug/L		09/25/23 09:21	10/17/23 03:21	1
Motor Oil (>C24-C36)	**856**		363	99.5	ug/L		09/25/23 09:21	10/17/23 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*50 - 150*	*09/25/23 09:21*	*10/17/23 03:21*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**2140**		114	67.4	ug/L		09/25/23 09:21	09/26/23 22:42	1
Motor Oil (>C24-C36)	**1620**		363	99.5	ug/L		09/25/23 09:21	09/26/23 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*74*		*50 - 150*	*09/25/23 09:21*	*09/26/23 22:42*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.30**	**J**	30.0	2.70	ug/L		09/29/23 16:37	10/02/23 17:02	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.60**		2.00	0.200	ug/L		09/25/23 16:24	09/26/23 16:04	5

Client Sample ID: GW-11218545-092023-FD-MW-8

Date Collected: 09/20/23 12:39
Date Received: 09/21/23 11:45

Lab Sample ID: 580-131845-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/28/23 11:41	1
EDC	ND		1.00	0.420	ug/L			09/28/23 11:41	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/28/23 11:41	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 11:41	1
Toluene	ND		1.00	0.390	ug/L			09/28/23 11:41	1
Xylenes, Total	**2.87**		2.00	0.530	ug/L			09/28/23 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*09/28/23 11:41*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/28/23 11:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*09/28/23 11:41*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/28/23 11:41*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**113**		50.0	14.0	ug/L			09/28/23 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*09/28/23 11:41*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0101	0.00202	ug/L		09/30/23 09:12	10/03/23 05:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*124*		*60 - 140*	*09/30/23 09:12*	*10/03/23 05:56*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	ND		115	67.7	ug/L		09/25/23 09:21	10/17/23 03:41	1
Motor Oil (>C24-C36)	ND		365	100	ug/L		09/25/23 09:21	10/17/23 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*09/25/23 09:21*	*10/17/23 03:41*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**1280**		115	67.7	ug/L		09/25/23 09:21	09/26/23 23:02	1
Motor Oil (>C24-C36)	**1300**		365	100	ug/L		09/25/23 09:21	09/26/23 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*09/25/23 09:21*	*09/26/23 23:02*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.30**	**J**	30.0	2.70	ug/L		09/29/23 16:37	10/02/23 17:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/25/23 16:24	09/26/23 16:06	5

Client Sample ID: GW-11218545-092023-FD-MW-9

Lab Sample ID: 580-131845-8

Date Collected: 09/20/23 14:59

Matrix: Water

Date Received: 09/21/23 11:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.260**	**J**	1.00	0.240	ug/L			09/28/23 12:06	1
EDC	ND		1.00	0.420	ug/L			09/28/23 12:06	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/28/23 12:06	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 12:06	1
Toluene	**0.501**	**J**	1.00	0.390	ug/L			09/28/23 12:06	1
Xylenes, Total	**2.81**		2.00	0.530	ug/L			09/28/23 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*09/28/23 12:06*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*09/28/23 12:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*09/28/23 12:06*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/28/23 12:06*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**66.8**		50.0	14.0	ug/L			09/28/23 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*09/28/23 12:06*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0101	0.00201	ug/L		09/30/23 09:12	10/03/23 06:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*121*		*60 - 140*	*09/30/23 09:12*	*10/03/23 06:11*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	ND		114	67.4	ug/L		09/25/23 09:21	10/17/23 04:21	1
Motor Oil (>C24-C36)	ND		363	99.6	ug/L		09/25/23 09:21	10/17/23 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*09/25/23 09:21*	*10/17/23 04:21*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**630**		114	67.4	ug/L		09/25/23 09:21	09/26/23 23:21	1
Motor Oil (>C24-C36)	**687**		363	99.6	ug/L		09/25/23 09:21	09/26/23 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*50 - 150*	*09/25/23 09:21*	*09/26/23 23:21*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.70**	**J**	30.0	2.70	ug/L		09/29/23 16:37	10/02/23 17:09	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/25/23 16:24	09/26/23 16:09	5

Client Sample ID: GW-11218545-092023-FD-MW-10

Lab Sample ID: 580-131845-9

Date Collected: 09/20/23 12:13

Matrix: Water

Date Received: 09/21/23 11:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/28/23 12:54	1
EDC	ND		1.00	0.420	ug/L			09/28/23 12:54	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/28/23 12:54	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 12:54	1
Toluene	ND		1.00	0.390	ug/L			09/28/23 12:54	1
Xylenes, Total	**0.573**	**J**	2.00	0.530	ug/L			09/28/23 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*09/28/23 12:54*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*09/28/23 12:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*09/28/23 12:54*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/28/23 12:54*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**20.7**	**J**	50.0	14.0	ug/L			09/28/23 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*		*09/28/23 12:54*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0104	0.00209	ug/L		09/30/23 09:12	10/03/23 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*129*		*60 - 140*	*09/30/23 09:12*	*10/03/23 06:26*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	ND		117	69.1	ug/L		09/25/23 09:21	10/17/23 04:41	1
Motor Oil (>C24-C36)	ND		372	102	ug/L		09/25/23 09:21	10/17/23 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*09/25/23 09:21*	*10/17/23 04:41*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**1050**		117	69.1	ug/L		09/25/23 09:21	09/26/23 23:41	1
Motor Oil (>C24-C36)	**1600**		372	102	ug/L		09/25/23 09:21	09/26/23 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*73*		*50 - 150*	*09/25/23 09:21*	*09/26/23 23:41*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**10.5**	**J**	30.0	2.70	ug/L		09/29/23 16:37	10/02/23 17:12	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**4.54**		2.00	0.200	ug/L		09/25/23 16:24	09/26/23 16:12	5

Client Sample ID: GW-11218545-092023-FD-MW-11

Date Collected: 09/20/23 15:27
Date Received: 09/21/23 11:45

Lab Sample ID: 580-131845-10

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.285**	**J**	1.00	0.240	ug/L			09/28/23 04:53	1
EDC	ND		1.00	0.420	ug/L			09/28/23 04:53	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/28/23 04:53	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 04:53	1
Toluene	ND		1.00	0.390	ug/L			09/28/23 04:53	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/28/23 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*09/28/23 04:53*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*09/28/23 04:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*09/28/23 04:53*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/23 04:53*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**101**		50.0	14.0	ug/L			09/28/23 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*09/28/23 04:53*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0101	0.00203	ug/L		09/30/23 09:12	10/03/23 06:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*122*		*60 - 140*	*09/30/23 09:12*	*10/03/23 06:42*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	ND		121	71.2	ug/L		09/25/23 09:21	10/17/23 05:01	1
Motor Oil (>C24-C36)	ND		383	105	ug/L		09/25/23 09:21	10/17/23 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*09/25/23 09:21*	*10/17/23 05:01*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**612**		121	71.2	ug/L		09/25/23 09:21	09/27/23 00:01	1
Motor Oil (>C24-C36)	**993**		383	105	ug/L		09/25/23 09:21	09/27/23 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*09/25/23 09:21*	*09/27/23 00:01*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0	2.70	ug/L		09/29/23 16:37	10/02/23 17:23	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/25/23 16:24	09/26/23 15:21	5

Client Sample ID: GW-11218545-092023-FD-MW-12

Date Collected: 09/20/23 10:50
Date Received: 09/21/23 11:45

Lab Sample ID: 580-131845-11

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/28/23 04:10	1
EDC	ND		1.00	0.420	ug/L			09/28/23 04:10	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/28/23 04:10	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 04:10	1
Toluene	ND		1.00	0.390	ug/L			09/28/23 04:10	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/28/23 04:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*09/28/23 04:10*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*09/28/23 04:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*09/28/23 04:10*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/23 04:10*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		50.0	14.0	ug/L			09/28/23 04:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*09/28/23 04:10*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0101	0.00201	ug/L		09/30/23 09:12	10/03/23 06:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*136*		*60 - 140*	*09/30/23 09:12*	*10/03/23 06:57*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	ND		113	66.8	ug/L		09/25/23 09:21	10/17/23 05:21	1
Motor Oil (>C24-C36)	ND		360	98.6	ug/L		09/25/23 09:21	10/17/23 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*09/25/23 09:21*	*10/17/23 05:21*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**745**		113	66.8	ug/L		09/25/23 09:21	09/27/23 00:20	1
Motor Oil (>C24-C36)	**871**		360	98.6	ug/L		09/25/23 09:21	09/27/23 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*09/25/23 09:21*	*09/27/23 00:20*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0	2.70	ug/L		09/29/23 16:37	10/02/23 17:27	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/25/23 16:24	09/26/23 15:50	5

Client Sample ID: GW-11218545-092023-FD-MW-13

Date Collected: 09/20/23 11:13
Date Received: 09/21/23 11:45

Lab Sample ID: 580-131845-12

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/28/23 05:14	1
EDC	ND		1.00	0.420	ug/L			09/28/23 05:14	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/28/23 05:14	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 05:14	1
Toluene	ND		1.00	0.390	ug/L			09/28/23 05:14	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/28/23 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*09/28/23 05:14*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*09/28/23 05:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*09/28/23 05:14*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/28/23 05:14*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		50.0	14.0	ug/L			09/28/23 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*		*09/28/23 05:14*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0101	0.00202	ug/L		09/30/23 09:12	10/03/23 07:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*120*		*60 - 140*	*09/30/23 09:12*	*10/03/23 07:12*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	ND		114	67.5	ug/L		09/25/23 09:21	10/17/23 05:41	1
Motor Oil (>C24-C36)	ND		363	99.7	ug/L		09/25/23 09:21	10/17/23 05:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*50 - 150*	*09/25/23 09:21*	*10/17/23 05:41*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**670**		114	67.5	ug/L		09/25/23 09:21	09/27/23 00:40	1
Motor Oil (>C24-C36)	**823**		363	99.7	ug/L		09/25/23 09:21	09/27/23 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*09/25/23 09:21*	*09/27/23 00:40*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.00**	**J**	30.0	2.70	ug/L		09/29/23 16:37	10/02/23 17:30	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/25/23 16:24	09/26/23 15:13	5

Client: GHD Services Inc.
Project/Site: Shell-State St, Chehalis

Job ID: 580-131845-1
SDG: 1349 NW State St, Chehalis WA

Client Sample ID: GW-11218545-092023-FD-TB-1

Date Collected: 09/20/23 12:00
Date Received: 09/21/23 11:45

Lab Sample ID: 580-131845-13

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/28/23 03:05	1
EDC	ND		1.00	0.420	ug/L			09/28/23 03:05	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/28/23 03:05	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 03:05	1
Toluene	**0.451**	**J**	1.00	0.390	ug/L			09/28/23 03:05	1
Xylenes, Total	**0.647**	**J**	2.00	0.530	ug/L			09/28/23 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*09/28/23 03:05*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/28/23 03:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*09/28/23 03:05*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/23 03:05*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		50.0	14.0	ug/L			09/28/23 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*		*09/28/23 03:05*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0103	0.00206	ug/L		09/30/23 09:12	10/03/23 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*124*		*60 - 140*	*09/30/23 09:12*	*10/03/23 07:27*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-438964/11
Matrix: Water
Analysis Batch: 438964

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/28/23 06:02	1
EDC	ND		1.00	0.420	ug/L			09/28/23 06:02	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/28/23 06:02	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 06:02	1
Toluene	ND		1.00	0.390	ug/L			09/28/23 06:02	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/28/23 06:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*09/28/23 06:02*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/28/23 06:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*09/28/23 06:02*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/28/23 06:02*	*1*

Lab Sample ID: LCS 580-438964/6
Matrix: Water
Analysis Batch: 438964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			10.0	10.07		ug/L		101	80 - 122		
EDC			10.0	9.395		ug/L		94	69 - 126		
Ethylbenzene			10.0	9.915		ug/L		99	80 - 120		
Methyl tert-butyl ether			10.0	9.487		ug/L		95	72 - 120		
Toluene			10.0	9.882		ug/L		99	80 - 120		
Xylenes, Total			20.0	20.51		ug/L		103	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 580-438964/7
Matrix: Water
Analysis Batch: 438964

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			10.0	10.03		ug/L		100	80 - 122	0	14
EDC			10.0	9.705		ug/L		97	69 - 126	3	11
Ethylbenzene			10.0	9.645		ug/L		96	80 - 120	3	14
Methyl tert-butyl ether			10.0	9.460		ug/L		95	72 - 120	0	18
Toluene			10.0	9.684		ug/L		97	80 - 120	2	13
Xylenes, Total			20.0	19.48		ug/L		97	80 - 120	5	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-438964/7
Matrix: Water
Analysis Batch: 438964

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 580-438990/10
Matrix: Water
Analysis Batch: 438990

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/28/23 02:44	1
EDC	ND		1.00	0.420	ug/L			09/28/23 02:44	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/28/23 02:44	1
Methyl tert-butyl ether	ND		1.00	0.440	ug/L			09/28/23 02:44	1
Toluene	ND		1.00	0.390	ug/L			09/28/23 02:44	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/28/23 02:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*09/28/23 02:44*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/28/23 02:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*09/28/23 02:44*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/28/23 02:44*	*1*

Lab Sample ID: LCS 580-438990/5
Matrix: Water
Analysis Batch: 438990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	10.0	9.648		ug/L		96	80 - 122
EDC	10.0	9.957		ug/L		100	69 - 126
Ethylbenzene	10.0	9.525		ug/L		95	80 - 120
Methyl tert-butyl ether	10.0	9.657		ug/L		97	72 - 120
Toluene	10.0	9.808		ug/L		98	80 - 120
Xylenes, Total	20.0	18.98		ug/L		95	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 580-438990/6
Matrix: Water
Analysis Batch: 438990

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	10.0	9.680		ug/L		97	80 - 122	0	14
EDC	10.0	10.40		ug/L		104	69 - 126	4	11
Ethylbenzene	10.0	9.329		ug/L		93	80 - 120	2	14
Methyl tert-butyl ether	10.0	9.549		ug/L		95	72 - 120	1	18
Toluene	10.0	9.668		ug/L		97	80 - 120	1	13

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-438990/6
Matrix: Water
Analysis Batch: 438990

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total			20.0	18.86		ug/L		94	80 - 120	1	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 580-439406/10
Matrix: Water
Analysis Batch: 439406

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/29/23 12:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*09/29/23 12:48*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*09/29/23 12:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*09/29/23 12:48*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/29/23 12:48*	*1*

Lab Sample ID: LCS 580-439406/5
Matrix: Water
Analysis Batch: 439406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			10.0	9.660		ug/L		97	80 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 580-439406/6
Matrix: Water
Analysis Batch: 439406

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			10.0	9.482		ug/L		95	80 - 122	2	14

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 580-438959/11
Matrix: Water
Analysis Batch: 438959

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		50.0	14.0	ug/L			09/28/23 06:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*		*09/28/23 06:02*	*1*

Lab Sample ID: LCS 580-438959/8
Matrix: Water
Analysis Batch: 438959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
TPH as Gasoline			1000	964.2		ug/L		96	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*

Lab Sample ID: LCSD 580-438959/9
Matrix: Water
Analysis Batch: 438959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline			1000	946.2		ug/L		95	55 - 148	2	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*

Lab Sample ID: MB 580-438992/10
Matrix: Water
Analysis Batch: 438992

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		50.0	14.0	ug/L			09/28/23 02:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*		*09/28/23 02:44*	*1*

Lab Sample ID: LCS 580-438992/7
Matrix: Water
Analysis Batch: 438992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
TPH as Gasoline			1000	935.4		ug/L		94	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) (Continued)

Lab Sample ID: LCSD 580-438992/8
Matrix: Water
Analysis Batch: 438992

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline			1000	915.0		ug/L		92	55 - 148	2	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 580-439367/1-A
Matrix: Water
Analysis Batch: 439497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 439367

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0104	0.00207	ug/L		09/30/23 09:12	10/03/23 00:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*123*		*60 - 140*	*09/30/23 09:12*	*10/03/23 00:21*	*1*

Lab Sample ID: LCS 580-439367/2-A
Matrix: Water
Analysis Batch: 439497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 439367

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.0575	0.06663		ug/L		116	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dibromopropane	*122*		*60 - 140*

Lab Sample ID: LCSD 580-439367/3-A
Matrix: Water
Analysis Batch: 439497

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 439367

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide			0.0575	0.06380		ug/L		111	60 - 140	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dibromopropane	*118*		*60 - 140*

Lab Sample ID: LLCS 580-439367/4-A
Matrix: Water
Analysis Batch: 439497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 439367

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.0115	0.01322		ug/L		115	60 - 145		

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dibromopropane	*110*		*60 - 140*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: 580-131702-C-2-B MS
Matrix: Water
Analysis Batch: 439497

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 439367

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide	ND		0.0593	0.06965		ug/L		117	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dibromopropane	*126*		*60 - 140*

Lab Sample ID: 580-131702-E-2-A MSD
Matrix: Water
Analysis Batch: 439497

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 439367

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide	ND		0.0590	0.06888		ug/L		117	60 - 140	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dibromopropane	*126*		*60 - 140*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Lab Sample ID: MB 580-438555/1-B
Matrix: Water
Analysis Batch: 441022

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 438555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	ND		110	65.0	ug/L		09/25/23 09:21	10/17/23 00:40	1
Motor Oil (>C24-C36)	ND		350	96.0	ug/L		09/25/23 09:21	10/17/23 00:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*09/25/23 09:21*	*10/17/23 00:40*	*1*

Lab Sample ID: LCS 580-438555/2-B
Matrix: Water
Analysis Batch: 441022

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 438555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (C10-C24)	4000	3833		ug/L		96	50 - 120
Motor Oil (>C24-C36)	4000	4410		ug/L		110	64 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*87*		*50 - 150*

Lab Sample ID: LCSD 580-438555/3-B
Matrix: Water
Analysis Batch: 441022

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 438555

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (C10-C24)	4000	3801		ug/L		95	50 - 120	1	26
Motor Oil (>C24-C36)	4000	4311		ug/L		108	64 - 120	2	24

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

Lab Sample ID: LCSD 580-438555/3-B
Matrix: Water
Analysis Batch: 441022

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 438555

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*85*		*50 - 150*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Lab Sample ID: MB 580-438555/1-A
Matrix: Water
Analysis Batch: 438777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 438555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	ND		110	65.0	ug/L		09/25/23 09:21	09/26/23 18:48	1
Motor Oil (>C24-C36)	ND		350	96.0	ug/L		09/25/23 09:21	09/26/23 18:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*50 - 150*	*09/25/23 09:21*	*09/26/23 18:48*	*1*

Lab Sample ID: LCS 580-438555/2-A
Matrix: Water
Analysis Batch: 438777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 438555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (C10-C24)	4000	3373		ug/L		84	50 - 120
Motor Oil (>C24-C36)	4000	3776		ug/L		94	64 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*65*		*50 - 150*

Lab Sample ID: LCSD 580-438555/3-A
Matrix: Water
Analysis Batch: 438777

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 438555

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (C10-C24)	4000	3401		ug/L		85	50 - 120	1	26
Motor Oil (>C24-C36)	4000	3760		ug/L		94	64 - 120	0	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*68*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-439318/22-A
Matrix: Water
Analysis Batch: 439606

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 439318

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		30.0	2.70	ug/L		09/29/23 16:37	10/02/23 16:08	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 580-439318/23-A
Matrix: Water
Analysis Batch: 439606

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 439318

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1000	1037		ug/L		104	80 - 120

Lab Sample ID: LCSD 580-439318/24-A
Matrix: Water
Analysis Batch: 439606

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 439318

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	1000	1060		ug/L		106	80 - 120	2	20

Lab Sample ID: 580-131658-C-44-F MS
Matrix: Water
Analysis Batch: 439606

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 439318

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	ND		1000	1097		ug/L		110	80 - 120

Lab Sample ID: 580-131658-C-44-G MSD
Matrix: Water
Analysis Batch: 439606

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 439318

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		1000	1095		ug/L		110	80 - 120	0	20

Lab Sample ID: 580-131658-C-44-E DU
Matrix: Water
Analysis Batch: 439606

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 439318

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	ND		ND		ug/L		NC	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 580-131908-E-4-B DU
Matrix: Water
Analysis Batch: 438875

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 438667

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	0.551		0.5360		ug/L		3	20

Lab Sample ID: MB 580-438667/26-A
Matrix: Water
Analysis Batch: 438875

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 438667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.400	0.0400	ug/L		09/25/23 16:24	09/26/23 14:40	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-438667/27-A
Matrix: Water
Analysis Batch: 438875

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 438667

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			1000	934.0		ug/L		93	80 - 120		

Lab Sample ID: LCSD 580-438667/28-A
Matrix: Water
Analysis Batch: 438875

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 438667

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead			1000	938.6		ug/L		94	80 - 120	0	20

Lab Sample ID: 580-131845-12 MS
Matrix: Water
Analysis Batch: 438875

Client Sample ID: GW-11218545-092023-FD-MW-13
Prep Type: Total Recoverable
Prep Batch: 438667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead	ND		1000	1062		ug/L		106	80 - 120		

Lab Sample ID: 580-131845-12 MSD
Matrix: Water
Analysis Batch: 438875

Client Sample ID: GW-11218545-092023-FD-MW-13
Prep Type: Total Recoverable
Prep Batch: 438667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		1000	1040		ug/L		104	80 - 120	2	20

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Shell-State St, Chehalis

Job ID: 580-131845-1
SDG: 1349 NW State St, Chehalis WA

Client Sample ID: GW-11218545-092023-FD-MW-2

Lab Sample ID: 580-131845-1
Date Collected: 09/20/23 13:06
Matrix: Water
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	438964	JBT	EET SEA	09/28/23 09:16
Total/NA	Analysis	NWTPH-Gx		1	438959	JBT	EET SEA	09/28/23 09:16
Total/NA	Prep	8011			439367	CLC	EET SEA	09/30/23 09:12
Total/NA	Analysis	8011		1	439497	KLW	EET SEA	10/03/23 03:54
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Cleanup	3630C			440477	KLW	EET SEA	10/11/23 09:47
Total/NA	Analysis	NWTPH-Dx		1	441022	KLW	EET SEA	10/17/23 01:40
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Analysis	NWTPH-Dx		1	438777	KLW	EET SEA	09/26/23 20:45
Dissolved	Prep	3005A			439318	JL	EET SEA	09/29/23 16:37
Dissolved	Analysis	6010D		1	439606	JLS	EET SEA	10/02/23 16:45
Total Recoverable	Prep	3005A			438667	TMH	EET SEA	09/25/23 16:24
Total Recoverable	Analysis	6020B		5	438875	FCW	EET SEA	09/26/23 16:14

Client Sample ID: GW-11218545-092023-FD-MW-3

Lab Sample ID: 580-131845-2
Date Collected: 09/20/23 13:40
Matrix: Water
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	438964	JBT	EET SEA	09/28/23 09:40
Total/NA	Analysis	8260D	RA	1	439406	JBT	EET SEA	09/29/23 14:25
Total/NA	Analysis	NWTPH-Gx		1	438959	JBT	EET SEA	09/28/23 09:40
Total/NA	Prep	8011			439367	CLC	EET SEA	09/30/23 09:12
Total/NA	Analysis	8011		1	439497	KLW	EET SEA	10/03/23 04:10
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Cleanup	3630C			440477	KLW	EET SEA	10/11/23 09:47
Total/NA	Analysis	NWTPH-Dx		1	441022	KLW	EET SEA	10/17/23 02:00
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Analysis	NWTPH-Dx		1	438777	KLW	EET SEA	09/26/23 21:04
Dissolved	Prep	3005A			439318	JL	EET SEA	09/29/23 16:37
Dissolved	Analysis	6010D		1	439606	JLS	EET SEA	10/02/23 16:48
Total Recoverable	Prep	3005A			438667	TMH	EET SEA	09/25/23 16:24
Total Recoverable	Analysis	6020B		5	438875	FCW	EET SEA	09/26/23 15:53

Client Sample ID: GW-11218545-092023-FD-MW-4

Lab Sample ID: 580-131845-3
Date Collected: 09/20/23 10:25
Matrix: Water
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	438964	JBT	EET SEA	09/28/23 10:04
Total/NA	Analysis	NWTPH-Gx		1	438959	JBT	EET SEA	09/28/23 10:04
Total/NA	Prep	8011			439367	CLC	EET SEA	09/30/23 09:12
Total/NA	Analysis	8011		1	439497	KLW	EET SEA	10/03/23 04:25

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Shell-State St, Chehalis

Job ID: 580-131845-1
SDG: 1349 NW State St, Chehalis WA

Client Sample ID: GW-11218545-092023-FD-MW-4

Lab Sample ID: 580-131845-3
Date Collected: 09/20/23 10:25
Matrix: Water
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Cleanup	3630C			440477	KLW	EET SEA	10/11/23 09:47
Total/NA	Analysis	NWTPH-Dx		1	441022	KLW	EET SEA	10/17/23 02:21
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Analysis	NWTPH-Dx		1	438777	KLW	EET SEA	09/26/23 21:43
Dissolved	Prep	3005A			439318	JL	EET SEA	09/29/23 16:37
Dissolved	Analysis	6010D		1	439606	JLS	EET SEA	10/02/23 16:52
Total Recoverable	Prep	3005A			438667	TMH	EET SEA	09/25/23 16:24
Total Recoverable	Analysis	6020B		5	438875	FCW	EET SEA	09/26/23 15:56

Client Sample ID: GW-11218545-092023-FD-MW-5

Lab Sample ID: 580-131845-4
Date Collected: 09/20/23 11:42
Matrix: Water
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	438964	JBT	EET SEA	09/28/23 10:28
Total/NA	Analysis	NWTPH-Gx		1	438959	JBT	EET SEA	09/28/23 10:28
Total/NA	Prep	8011			439367	CLC	EET SEA	09/30/23 09:12
Total/NA	Analysis	8011		1	439497	KLW	EET SEA	10/03/23 04:40
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Cleanup	3630C			440477	KLW	EET SEA	10/11/23 09:47
Total/NA	Analysis	NWTPH-Dx		1	441022	KLW	EET SEA	10/17/23 02:41
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Analysis	NWTPH-Dx		1	438777	KLW	EET SEA	09/26/23 22:03
Dissolved	Prep	3005A			439318	JL	EET SEA	09/29/23 16:37
Dissolved	Analysis	6010D		1	439606	JLS	EET SEA	10/02/23 16:55
Total Recoverable	Prep	3005A			438667	TMH	EET SEA	09/25/23 16:24
Total Recoverable	Analysis	6020B		5	438875	FCW	EET SEA	09/26/23 15:58

Client Sample ID: GW-11218545-092023-FD-MW-6

Lab Sample ID: 580-131845-5
Date Collected: 09/20/23 10:02
Matrix: Water
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	438964	JBT	EET SEA	09/28/23 10:53
Total/NA	Analysis	NWTPH-Gx		1	438959	JBT	EET SEA	09/28/23 10:53
Total/NA	Prep	8011			439367	CLC	EET SEA	09/30/23 09:12
Total/NA	Analysis	8011		1	439497	KLW	EET SEA	10/03/23 04:55
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Cleanup	3630C			440477	KLW	EET SEA	10/11/23 09:47
Total/NA	Analysis	NWTPH-Dx		1	441022	KLW	EET SEA	10/17/23 03:01
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Analysis	NWTPH-Dx		1	438777	KLW	EET SEA	09/26/23 22:23
Dissolved	Prep	3005A			439318	JL	EET SEA	09/29/23 16:37
Dissolved	Analysis	6010D		1	439606	JLS	EET SEA	10/02/23 16:58

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Shell-State St, Chehalis

Job ID: 580-131845-1
SDG: 1349 NW State St, Chehalis WA

Client Sample ID: GW-11218545-092023-FD-MW-6

Lab Sample ID: 580-131845-5
Date Collected: 09/20/23 10:02
Matrix: Water
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			438667	TMH	EET SEA	09/25/23 16:24
Total Recoverable	Analysis	6020B		5	438875	FCW	EET SEA	09/26/23 16:01

Client Sample ID: GW-11218545-092023-FD-MW-7

Lab Sample ID: 580-131845-6
Date Collected: 09/20/23 14:28
Matrix: Water
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	438964	JBT	EET SEA	09/28/23 11:17
Total/NA	Analysis	NWTPH-Gx		1	438959	JBT	EET SEA	09/28/23 11:17
Total/NA	Prep	8011			439367	CLC	EET SEA	09/30/23 09:12
Total/NA	Analysis	8011		1	439497	KLW	EET SEA	10/03/23 05:11
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Cleanup	3630C			440477	KLW	EET SEA	10/11/23 09:47
Total/NA	Analysis	NWTPH-Dx		1	441022	KLW	EET SEA	10/17/23 03:21
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Analysis	NWTPH-Dx		1	438777	KLW	EET SEA	09/26/23 22:42
Dissolved	Prep	3005A			439318	JL	EET SEA	09/29/23 16:37
Dissolved	Analysis	6010D		1	439606	JLS	EET SEA	10/02/23 17:02
Total Recoverable	Prep	3005A			438667	TMH	EET SEA	09/25/23 16:24
Total Recoverable	Analysis	6020B		5	438875	FCW	EET SEA	09/26/23 16:04

Client Sample ID: GW-11218545-092023-FD-MW-8

Lab Sample ID: 580-131845-7
Date Collected: 09/20/23 12:39
Matrix: Water
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	438964	JBT	EET SEA	09/28/23 11:41
Total/NA	Analysis	NWTPH-Gx		1	438959	JBT	EET SEA	09/28/23 11:41
Total/NA	Prep	8011			439367	CLC	EET SEA	09/30/23 09:12
Total/NA	Analysis	8011		1	439497	KLW	EET SEA	10/03/23 05:56
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Cleanup	3630C			440477	KLW	EET SEA	10/11/23 09:47
Total/NA	Analysis	NWTPH-Dx		1	441022	KLW	EET SEA	10/17/23 03:41
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Analysis	NWTPH-Dx		1	438777	KLW	EET SEA	09/26/23 23:02
Dissolved	Prep	3005A			439318	JL	EET SEA	09/29/23 16:37
Dissolved	Analysis	6010D		1	439606	JLS	EET SEA	10/02/23 17:05
Total Recoverable	Prep	3005A			438667	TMH	EET SEA	09/25/23 16:24
Total Recoverable	Analysis	6020B		5	438875	FCW	EET SEA	09/26/23 16:06

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Shell-State St, Chehalis

Job ID: 580-131845-1
SDG: 1349 NW State St, Chehalis WA

Client Sample ID: GW-11218545-092023-FD-MW-9

Lab Sample ID: 580-131845-8
Matrix: Water
Date Collected: 09/20/23 14:59
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	438964	JBT	EET SEA	09/28/23 12:06
Total/NA	Analysis	NWTPH-Gx		1	438959	JBT	EET SEA	09/28/23 12:06
Total/NA	Prep	8011			439367	CLC	EET SEA	09/30/23 09:12
Total/NA	Analysis	8011		1	439497	KLW	EET SEA	10/03/23 06:11
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Cleanup	3630C			440477	KLW	EET SEA	10/11/23 09:47
Total/NA	Analysis	NWTPH-Dx		1	441022	KLW	EET SEA	10/17/23 04:21
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Analysis	NWTPH-Dx		1	438777	KLW	EET SEA	09/26/23 23:21
Dissolved	Prep	3005A			439318	JL	EET SEA	09/29/23 16:37
Dissolved	Analysis	6010D		1	439606	JLS	EET SEA	10/02/23 17:09
Total Recoverable	Prep	3005A			438667	TMH	EET SEA	09/25/23 16:24
Total Recoverable	Analysis	6020B		5	438875	FCW	EET SEA	09/26/23 16:09

Client Sample ID: GW-11218545-092023-FD-MW-10

Lab Sample ID: 580-131845-9
Matrix: Water
Date Collected: 09/20/23 12:13
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	438964	JBT	EET SEA	09/28/23 12:54
Total/NA	Analysis	NWTPH-Gx		1	438959	JBT	EET SEA	09/28/23 12:54
Total/NA	Prep	8011			439367	CLC	EET SEA	09/30/23 09:12
Total/NA	Analysis	8011		1	439497	KLW	EET SEA	10/03/23 06:26
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Cleanup	3630C			440477	KLW	EET SEA	10/11/23 09:47
Total/NA	Analysis	NWTPH-Dx		1	441022	KLW	EET SEA	10/17/23 04:41
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Analysis	NWTPH-Dx		1	438777	KLW	EET SEA	09/26/23 23:41
Dissolved	Prep	3005A			439318	JL	EET SEA	09/29/23 16:37
Dissolved	Analysis	6010D		1	439606	JLS	EET SEA	10/02/23 17:12
Total Recoverable	Prep	3005A			438667	TMH	EET SEA	09/25/23 16:24
Total Recoverable	Analysis	6020B		5	438875	FCW	EET SEA	09/26/23 16:12

Client Sample ID: GW-11218545-092023-FD-MW-11

Lab Sample ID: 580-131845-10
Matrix: Water
Date Collected: 09/20/23 15:27
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	438990	JBT	EET SEA	09/28/23 04:53
Total/NA	Analysis	NWTPH-Gx		1	438992	JBT	EET SEA	09/28/23 04:53
Total/NA	Prep	8011			439367	CLC	EET SEA	09/30/23 09:12
Total/NA	Analysis	8011		1	439497	KLW	EET SEA	10/03/23 06:42
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Cleanup	3630C			440477	KLW	EET SEA	10/11/23 09:47
Total/NA	Analysis	NWTPH-Dx		1	441022	KLW	EET SEA	10/17/23 05:01

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Shell-State St, Chehalis

Job ID: 580-131845-1
SDG: 1349 NW State St, Chehalis WA

Client Sample ID: GW-11218545-092023-FD-MW-11

Lab Sample ID: 580-131845-10
Matrix: Water
Date Collected: 09/20/23 15:27
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Analysis	NWTPH-Dx		1	438777	KLW	EET SEA	09/27/23 00:01
Dissolved	Prep	3005A			439318	JL	EET SEA	09/29/23 16:37
Dissolved	Analysis	6010D		1	439606	JLS	EET SEA	10/02/23 17:23
Total Recoverable	Prep	3005A			438667	TMH	EET SEA	09/25/23 16:24
Total Recoverable	Analysis	6020B		5	438875	FCW	EET SEA	09/26/23 15:21

Client Sample ID: GW-11218545-092023-FD-MW-12

Lab Sample ID: 580-131845-11
Matrix: Water
Date Collected: 09/20/23 10:50
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	438990	JBT	EET SEA	09/28/23 04:10
Total/NA	Analysis	NWTPH-Gx		1	438992	JBT	EET SEA	09/28/23 04:10
Total/NA	Prep	8011			439367	CLC	EET SEA	09/30/23 09:12
Total/NA	Analysis	8011		1	439497	KLW	EET SEA	10/03/23 06:57
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Cleanup	3630C			440477	KLW	EET SEA	10/11/23 09:47
Total/NA	Analysis	NWTPH-Dx		1	441022	KLW	EET SEA	10/17/23 05:21
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Analysis	NWTPH-Dx		1	438777	KLW	EET SEA	09/27/23 00:20
Dissolved	Prep	3005A			439318	JL	EET SEA	09/29/23 16:37
Dissolved	Analysis	6010D		1	439606	JLS	EET SEA	10/02/23 17:27
Total Recoverable	Prep	3005A			438667	TMH	EET SEA	09/25/23 16:24
Total Recoverable	Analysis	6020B		5	438875	FCW	EET SEA	09/26/23 15:50

Client Sample ID: GW-11218545-092023-FD-MW-13

Lab Sample ID: 580-131845-12
Matrix: Water
Date Collected: 09/20/23 11:13
Date Received: 09/21/23 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	438990	JBT	EET SEA	09/28/23 05:14
Total/NA	Analysis	NWTPH-Gx		1	438992	JBT	EET SEA	09/28/23 05:14
Total/NA	Prep	8011			439367	CLC	EET SEA	09/30/23 09:12
Total/NA	Analysis	8011		1	439497	KLW	EET SEA	10/03/23 07:12
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Cleanup	3630C			440477	KLW	EET SEA	10/11/23 09:47
Total/NA	Analysis	NWTPH-Dx		1	441022	KLW	EET SEA	10/17/23 05:41
Total/NA	Prep	3510C			438555	SL	EET SEA	09/25/23 09:21
Total/NA	Analysis	NWTPH-Dx		1	438777	KLW	EET SEA	09/27/23 00:40
Dissolved	Prep	3005A			439318	JL	EET SEA	09/29/23 16:37
Dissolved	Analysis	6010D		1	439606	JLS	EET SEA	10/02/23 17:30
Total Recoverable	Prep	3005A			438667	TMH	EET SEA	09/25/23 16:24
Total Recoverable	Analysis	6020B		5	438875	FCW	EET SEA	09/26/23 15:13

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Shell-State St, Chehalis

Job ID: 580-131845-1
SDG: 1349 NW State St, Chehalis WA

Client Sample ID: GW-11218545-092023-FD-TB-1

Date Collected: 09/20/23 12:00
Date Received: 09/21/23 11:45

Lab Sample ID: 580-131845-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	438990	JBT	EET SEA	09/28/23 03:05
Total/NA	Analysis	NWTPH-Gx		1	438992	JBT	EET SEA	09/28/23 03:05
Total/NA	Prep	8011			439367	CLC	EET SEA	09/30/23 09:12
Total/NA	Analysis	8011		1	439497	KLW	EET SEA	10/03/23 07:27

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 580-131845-1
Project/Site: Shell-State St, Chehalis SDG: 1349 NW State St, Chehalis WA

Laboratory: Eurofins Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4167	07-07-24
Washington	State	C788	07-13-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6020B	3005A	Water	Lead
8011	8011	Water	Ethylene Dibromide

Sample Summary

Client: GHD Services Inc.
Project/Site: Shell-State St, Chehalis

Job ID: 580-131845-1
SDG: 1349 NW State St, Chehalis WA

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-131845-1	GW-11218545-092023-FD-MW-2	Water	09/20/23 13:06	09/21/23 11:45
580-131845-2	GW-11218545-092023-FD-MW-3	Water	09/20/23 13:40	09/21/23 11:45
580-131845-3	GW-11218545-092023-FD-MW-4	Water	09/20/23 10:25	09/21/23 11:45
580-131845-4	GW-11218545-092023-FD-MW-5	Water	09/20/23 11:42	09/21/23 11:45
580-131845-5	GW-11218545-092023-FD-MW-6	Water	09/20/23 10:02	09/21/23 11:45
580-131845-6	GW-11218545-092023-FD-MW-7	Water	09/20/23 14:28	09/21/23 11:45
580-131845-7	GW-11218545-092023-FD-MW-8	Water	09/20/23 12:39	09/21/23 11:45
580-131845-8	GW-11218545-092023-FD-MW-9	Water	09/20/23 14:59	09/21/23 11:45
580-131845-9	GW-11218545-092023-FD-MW-10	Water	09/20/23 12:13	09/21/23 11:45
580-131845-10	GW-11218545-092023-FD-MW-11	Water	09/20/23 15:27	09/21/23 11:45
580-131845-11	GW-11218545-092023-FD-MW-12	Water	09/20/23 10:50	09/21/23 11:45
580-131845-12	GW-11218545-092023-FD-MW-13	Water	09/20/23 11:13	09/21/23 11:45
580-131845-13	GW-11218545-092023-FD-TB-1	Water	09/20/23 12:00	09/21/23 11:45

Eurofins Spokane
11922 E 1st Avenue

Spokane, WA 99206-5302
phone 509.924.9200 fax 509.924.9290

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Kinga Kozlowska	Site Contact:	Date:	COC No:
GHD	Email: kinga.kozlowska@ghd.com	Lab Contact:	Carrier:	1 of 2 COCs
9725 3rd Ave NE, Ste 204	Tel/Fax: (425) 444-4842			TALS Project #:
Seattle, WA 98115	Analysis Turnaround Time			Sampler:
(425) 444-4842 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Shell - State St, Chehalis	☐ 2 weeks			Lab Sampling:
Site: 1349 NW State St, Chehalis, WA	☐ 1 week			Job / SDG No.:
Job #: 11218545	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-Gx	BTEX, MTBE, EDC (8260)	NWTPH-Dx	TPH-O	EDB (8011)	Total Lead	Dissolved Lead (Field Filtered)	Sample Specific Notes:
GW-11218545-092023-FD-MW-2	09/20/23	1306	G	GW	10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-3		1340			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-4		1025			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-5		1142			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-6		1002			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-7		1428			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-8		1239			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-9		1459			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-10		1213			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-11		1527			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-12		1050			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-13	↓	1113	↓	↓	10	Y	N	X	X	X	X	X	X	X	

580-131845 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____

Relinquished by: Fonda DeSantos	Company: BTS	Date/Time: 9/21/23 1130	Received by:	Company: BTS	Date/Time: 9/21/23 1130
Relinquished by:	Company: BTS	Date/Time: 9/21/23 1145	Received by:	Company: ETNW	Date/Time: 9/21/23 1145
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins Spokane
11922 E 1st Avenue

Spokane, WA 99206-5302
phone 509.924.9200 fax 509.924.9290

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Kinga Kozlowska	Site Contact:	Date:	COC No:
GHD	Email: kinga.kozlowska@ghd.com	Lab Contact:	Carrier:	2 of 2 COCs
9725 3rd Ave NE, Ste 204	Tel/Fax: (425) 444-4842			TALS Project #:
Seattle, WA 98115	Analysis Turnaround Time			Sampler:
(425) 444-4842 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Shell - State St, Chehalis	☐ 2 weeks			Lab Sampling:
Site: 1349 NW State St, Chehalis, WA	☐ 1 week			Job / SDG No.:
Job #: 11218545	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-Gx	BTEX, MTBE, EDC (8260)	NWTPH-Dx	TPH-O	EDB (8011)	Total Lead	Dissolved Lead (Field Filtered)	Sample Specific Notes:
GW-11218545-092023-FD-TB-1	09/20/23	1200	G	GW	2	N	N	X	X			X			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Fonda DeSantos	BTS			EETN	9/21/23 1145
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

9/21

Therm. ID: IR9 Cor: 5.6 ° Unc: 5.9 °
Cooler Dsc: LB
Packing: None
Cust. Seal: Yes ___ No ✓
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: ___
Other: Client

1/2

Therm. ID: IR9 Cor: 6.8 ° Unc: 7.1 °
Cooler Dsc: MR
Packing: None
Cust. Seal: Yes ___ No ✓
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: ___
Other: Client

2/2

9/20

Therm. ID: IR9 Cor: 4.0 ° Unc: 4.3 °
Cooler Dsc: LB
Packing: None
Cust. Seal: Yes ___ No ✓
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: ___
Other: Client

1/2

Therm. ID: MR9 Cor: 2.9 ° Unc: 3.1 °
Cooler Dsc: MR
Packing: None
Cust. Seal: Yes ___ No ✓
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: ___
Other: Client

2/2

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 580-131845-1
SDG Number: 1349 NW State St, Chehalis WA

Login Number: 131845
List Number: 1
Creator: Groves, Elizabeth

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Kinga Kozlowska
GHD Services Inc.
9725 3rd Avenue NE, Suite 204
Seattle, Washington 98115

Generated 9/24/2024 11:19:10 PM

JOB DESCRIPTION

Shell - 1349 NW State St., Chehalis WA

JOB NUMBER

580-143675-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization

Generated
9/24/2024 11:19:10 PM

Authorized for release by
Pauline Matlock, Project Manager
Pauline.Matlock@et.eurofinsus.com
(253)922-2310

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Job ID: 580-143675-1 Eurofins Seattle

Job Narrative
580-143675-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/9/2024 2:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.9°C and 6.3°C.

Gasoline Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Hydrocarbons
Method NWTPH_Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern is not the typical diesel fuel pattern used by the laboratory for quantitative purposes: GW-12631216-090924-AR-MW-2 (580-143675-1), GW-12631216-090924-AR-MW-3 (580-143675-2), GW-12631216-090924-MH-MW-4 (580-143675-3), GW-12631216-090924-MH-MW-5 (580-143675-4), GW-12631216-090924-MH-MW-6 (580-143675-5), GW-12631216-090924-AR-MW-7 (580-143675-6), GW-12631216-090924-AR-MW-8 (580-143675-7), GW-12631216-090924-MH-MW-9 (580-143675-8), GW-12631216-090924-AR-MW-10 (580-143675-9), GW-12631216-090924-MH-MW-11 (580-143675-10), GW-12631216-090924-MH-MW-12 (580-143675-11), GW-12631216-090924-MH-MW-13 (580-143675-12) and GW-12631216-090924-AR-DUP-1 (580-143675-13).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-AR-MW-2
Lab Sample ID: 580-143675-1
Date Collected: 09/09/24 09:45
Matrix: Water
Date Received: 09/09/24 14:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	34.8		1.00	0.240	ug/L			09/11/24 08:42	1
Toluene	6.43		1.00	0.390	ug/L			09/11/24 08:42	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/11/24 08:42	1
Xylenes, Total	5.77		2.00	0.530	ug/L			09/11/24 08:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/11/24 08:42*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*09/11/24 08:42*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*09/11/24 08:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*09/11/24 08:42*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	554		150	73.0	ug/L			09/11/24 08:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*09/11/24 08:42*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	2210		195	88.7	ug/L		09/11/24 08:16	09/19/24 19:29	1
Motor Oil (>C24-C36)	1520		341	127	ug/L		09/11/24 08:16	09/19/24 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*50 - 150*	*09/11/24 08:16*	*09/19/24 19:29*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/18/24 17:32	09/19/24 12:00	5

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-AR-MW-3
Lab Sample ID: 580-143675-2

Date Collected: 09/09/24 11:25
Matrix: Water
Date Received: 09/09/24 14:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/11/24 04:03	1
Toluene	ND		1.00	0.390	ug/L			09/11/24 04:03	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/11/24 04:03	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/11/24 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/11/24 04:03*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*09/11/24 04:03*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*09/11/24 04:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*09/11/24 04:03*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	73.0	ug/L			09/11/24 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*09/11/24 04:03*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**171**	**J**	198	90.0	ug/L		09/11/24 08:16	09/19/24 20:09	1
Motor Oil (>C24-C36)	**236**	**J**	346	129	ug/L		09/11/24 08:16	09/19/24 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*09/11/24 08:16*	*09/19/24 20:09*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/18/24 17:32	09/19/24 11:24	5

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-MH-MW-4
Lab Sample ID: 580-143675-3

Date Collected: 09/09/24 10:21
Matrix: Water
Date Received: 09/09/24 14:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/11/24 04:26	1
Toluene	ND		1.00	0.390	ug/L			09/11/24 04:26	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/11/24 04:26	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/11/24 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/11/24 04:26*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*09/11/24 04:26*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*09/11/24 04:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*09/11/24 04:26*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	73.0	ug/L			09/11/24 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*09/11/24 04:26*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**457**		204	92.6	ug/L		09/11/24 08:16	09/19/24 20:29	1
Motor Oil (>C24-C36)	**462**		356	132	ug/L		09/11/24 08:16	09/19/24 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*09/11/24 08:16*	*09/19/24 20:29*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/18/24 17:32	09/19/24 11:57	5

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-MH-MW-5
Lab Sample ID: 580-143675-4
Date Collected: 09/09/24 11:47
Matrix: Water
Date Received: 09/09/24 14:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/11/24 04:50	1
Toluene	ND		1.00	0.390	ug/L			09/11/24 04:50	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/11/24 04:50	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/11/24 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/11/24 04:50*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*09/11/24 04:50*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*09/11/24 04:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*09/11/24 04:50*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	73.0	ug/L			09/11/24 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*		*09/11/24 04:50*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**1150**		201	91.5	ug/L		09/11/24 08:16	09/19/24 20:49	1
Motor Oil (>C24-C36)	**1170**		352	131	ug/L		09/11/24 08:16	09/19/24 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*67*		*50 - 150*	*09/11/24 08:16*	*09/19/24 20:49*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/18/24 17:32	09/19/24 11:54	5

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-MH-MW-6
Lab Sample ID: 580-143675-5
Date Collected: 09/09/24 09:52
Matrix: Water
Date Received: 09/09/24 14:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.458	J	1.00	0.240	ug/L			09/11/24 05:13	1
Toluene	0.862	J	1.00	0.390	ug/L			09/11/24 05:13	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/11/24 05:13	1
Xylenes, Total	3.74		2.00	0.530	ug/L			09/11/24 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/11/24 05:13*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*09/11/24 05:13*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*09/11/24 05:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*09/11/24 05:13*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	384		150	73.0	ug/L			09/11/24 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*09/11/24 05:13*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	1380		208	94.5	ug/L		09/11/24 08:16	09/19/24 21:09	1
Motor Oil (>C24-C36)	762		364	135	ug/L		09/11/24 08:16	09/19/24 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*63*		*50 - 150*	*09/11/24 08:16*	*09/19/24 21:09*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/18/24 17:32	09/19/24 11:51	5

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-AR-MW-7
Lab Sample ID: 580-143675-6
Date Collected: 09/09/24 11:58
Matrix: Water
Date Received: 09/09/24 14:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.60		1.00	0.240	ug/L			09/11/24 05:36	1
Toluene	0.746	J	1.00	0.390	ug/L			09/11/24 05:36	1
Ethylbenzene	3.97		1.00	0.500	ug/L			09/11/24 05:36	1
Xylenes, Total	2.19		2.00	0.530	ug/L			09/11/24 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/11/24 05:36*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*09/11/24 05:36*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*09/11/24 05:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*09/11/24 05:36*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	1140		150	73.0	ug/L			09/11/24 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*09/11/24 05:36*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	2480		196	89.3	ug/L		09/11/24 08:16	09/19/24 21:29	1
Motor Oil (>C24-C36)	1010		344	128	ug/L		09/11/24 08:16	09/19/24 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*65*		*50 - 150*	*09/11/24 08:16*	*09/19/24 21:29*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/18/24 17:32	09/19/24 11:48	5

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-AR-MW-8
Lab Sample ID: 580-143675-7
Date Collected: 09/09/24 10:15
Matrix: Water
Date Received: 09/09/24 14:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/11/24 05:59	1
Toluene	ND		1.00	0.390	ug/L			09/11/24 05:59	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/11/24 05:59	1
Xylenes, Total	**1.14**	**J**	2.00	0.530	ug/L			09/11/24 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/11/24 05:59*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*09/11/24 05:59*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*09/11/24 05:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*09/11/24 05:59*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**101**	**J**	150	73.0	ug/L			09/11/24 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*09/11/24 05:59*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**1440**		197	89.8	ug/L		09/11/24 08:16	09/19/24 21:50	1
Motor Oil (>C24-C36)	**1590**		345	128	ug/L		09/11/24 08:16	09/19/24 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*09/11/24 08:16*	*09/19/24 21:50*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/18/24 17:32	09/19/24 11:46	5

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-MH-MW-9
Lab Sample ID: 580-143675-8

Date Collected: 09/09/24 12:47
Matrix: Water
Date Received: 09/09/24 14:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/11/24 06:23	1
Toluene	**0.679**	**J**	1.00	0.390	ug/L			09/11/24 06:23	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/11/24 06:23	1
Xylenes, Total	**4.16**		2.00	0.530	ug/L			09/11/24 06:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/11/24 06:23*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*09/11/24 06:23*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*09/11/24 06:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*09/11/24 06:23*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	73.0	ug/L			09/11/24 06:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*09/11/24 06:23*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**850**		200	91.2	ug/L		09/11/24 08:16	09/19/24 22:10	1
Motor Oil (>C24-C36)	**1070**		351	130	ug/L		09/11/24 08:16	09/19/24 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*62*		*50 - 150*	*09/11/24 08:16*	*09/19/24 22:10*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/18/24 17:32	09/19/24 12:08	5

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-AR-MW-10
Lab Sample ID: 580-143675-9
Date Collected: 09/09/24 10:45
Matrix: Water
Date Received: 09/09/24 14:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.21		1.00	0.240	ug/L			09/11/24 06:46	1
Toluene	0.638	J	1.00	0.390	ug/L			09/11/24 06:46	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/11/24 06:46	1
Xylenes, Total	0.561	J	2.00	0.530	ug/L			09/11/24 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/11/24 06:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*09/11/24 06:46*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*09/11/24 06:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*09/11/24 06:46*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	73.2	J	150	73.0	ug/L			09/11/24 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*09/11/24 06:46*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	1550		201	91.6	ug/L		09/11/24 08:16	09/19/24 22:30	1
Motor Oil (>C24-C36)	1950		352	131	ug/L		09/11/24 08:16	09/19/24 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*65*		*50 - 150*	*09/11/24 08:16*	*09/19/24 22:30*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.46	J	2.00	0.200	ug/L		09/18/24 17:32	09/19/24 12:05	5

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-MH-MW-11
Lab Sample ID: 580-143675-10
Date Collected: 09/09/24 12:16
Matrix: Water
Date Received: 09/09/24 14:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.71**		1.00	0.240	ug/L			09/11/24 07:09	1
Toluene	ND		1.00	0.390	ug/L			09/11/24 07:09	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/11/24 07:09	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/11/24 07:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/11/24 07:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*09/11/24 07:09*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*09/11/24 07:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*09/11/24 07:09*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	73.0	ug/L			09/11/24 07:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*		*09/11/24 07:09*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**535**		200	91.2	ug/L		09/11/24 08:16	09/19/24 22:50	1
Motor Oil (>C24-C36)	**842**		351	130	ug/L		09/11/24 08:16	09/19/24 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 150*	*09/11/24 08:16*	*09/19/24 22:50*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/18/24 17:32	09/19/24 12:02	5

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-MH-MW-12
Lab Sample ID: 580-143675-11
Date Collected: 09/09/24 10:48
Matrix: Water
Date Received: 09/09/24 14:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/13/24 19:27	1
Toluene	ND		1.00	0.390	ug/L			09/13/24 19:27	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/13/24 19:27	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/13/24 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/13/24 19:27*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*09/13/24 19:27*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*09/13/24 19:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*09/13/24 19:27*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	73.0	ug/L			09/13/24 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*09/13/24 19:27*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**906**		215	97.8	ug/L		09/11/24 08:16	09/19/24 23:10	1
Motor Oil (>C24-C36)	**1130**		376	140	ug/L		09/11/24 08:16	09/19/24 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*67*		*50 - 150*	*09/11/24 08:16*	*09/19/24 23:10*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/19/24 17:55	09/24/24 08:40	5

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-MH-MW-13
Lab Sample ID: 580-143675-12
Date Collected: 09/09/24 11:17
Matrix: Water
Date Received: 09/09/24 14:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/13/24 19:50	1
Toluene	ND		1.00	0.390	ug/L			09/13/24 19:50	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/13/24 19:50	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/13/24 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/13/24 19:50*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*09/13/24 19:50*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*09/13/24 19:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*09/13/24 19:50*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	73.0	ug/L			09/13/24 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*09/13/24 19:50*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**735**		185	84.0	ug/L		09/11/24 08:16	09/19/24 23:50	1
Motor Oil (>C24-C36)	**923**		323	120	ug/L		09/11/24 08:16	09/19/24 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*66*		*50 - 150*	*09/11/24 08:16*	*09/19/24 23:50*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/19/24 17:55	09/24/24 08:37	5

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-AR-DUP-1
Lab Sample ID: 580-143675-13

Date Collected: 09/09/24 12:00
Matrix: Water
Date Received: 09/09/24 14:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**34.9**		1.00	0.240	ug/L			09/13/24 21:00	1
Toluene	**6.20**		1.00	0.390	ug/L			09/13/24 21:00	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/13/24 21:00	1
Xylenes, Total	**5.62**		2.00	0.530	ug/L			09/13/24 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/13/24 21:00*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*09/13/24 21:00*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*09/13/24 21:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*09/13/24 21:00*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**560**		150	73.0	ug/L			09/13/24 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*09/13/24 21:00*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	**1910**		197	89.5	ug/L		09/11/24 08:16	09/20/24 00:10	1
Motor Oil (>C24-C36)	**1180**		344	128	ug/L		09/11/24 08:16	09/20/24 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*67*		*50 - 150*	*09/11/24 08:16*	*09/20/24 00:10*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/19/24 17:55	09/24/24 08:43	5

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-AR-TB-1
Lab Sample ID: 580-143675-14

Date Collected: 09/09/24 09:00
Matrix: Water
Date Received: 09/09/24 14:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/13/24 20:13	1
Toluene	ND		1.00	0.390	ug/L			09/13/24 20:13	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/13/24 20:13	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/13/24 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/13/24 20:13*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*09/13/24 20:13*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*09/13/24 20:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*09/13/24 20:13*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	73.0	ug/L			09/13/24 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*09/13/24 20:13*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-470994/11
Matrix: Water
Analysis Batch: 470994

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/11/24 01:20	1
Toluene	ND		1.00	0.390	ug/L			09/11/24 01:20	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/11/24 01:20	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/11/24 01:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/11/24 01:20*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*09/11/24 01:20*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*09/11/24 01:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*09/11/24 01:20*	*1*

Lab Sample ID: LCS 580-470994/6
Matrix: Water
Analysis Batch: 470994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	5.063		ug/L		101	80 - 122		
Toluene			5.00	5.495		ug/L		110	80 - 120		
Ethylbenzene			5.00	5.390		ug/L		108	80 - 120		
Xylenes, Total			10.0	11.08		ug/L		111	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 580-470994/7
Matrix: Water
Analysis Batch: 470994

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			5.00	4.982		ug/L		100	80 - 122	2	14
Toluene			5.00	5.412		ug/L		108	80 - 120	2	13
Ethylbenzene			5.00	5.295		ug/L		106	80 - 120	2	14
Xylenes, Total			10.0	10.94		ug/L		109	80 - 120	1	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-471358/11
Matrix: Water
Analysis Batch: 471358

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/13/24 15:10	1
Toluene	ND		1.00	0.390	ug/L			09/13/24 15:10	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/13/24 15:10	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/13/24 15:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/13/24 15:10*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*09/13/24 15:10*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*09/13/24 15:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*09/13/24 15:10*	*1*

Lab Sample ID: LCS 580-471358/6
Matrix: Water
Analysis Batch: 471358

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	4.762		ug/L		95	80 - 122		
Toluene			5.00	4.445		ug/L		89	80 - 120		
Ethylbenzene			5.00	4.797		ug/L		96	80 - 120		
Xylenes, Total			10.0	9.643		ug/L		96	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 580-471358/7
Matrix: Water
Analysis Batch: 471358

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			5.00	4.729		ug/L		95	80 - 122	1	14
Toluene			5.00	4.319		ug/L		86	80 - 120	3	13
Ethylbenzene			5.00	4.699		ug/L		94	80 - 120	2	14
Xylenes, Total			10.0	9.349		ug/L		93	80 - 120	3	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 580-143568-D-12 MS
Matrix: Water
Analysis Batch: 471358

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		5.00	5.382		ug/L		108	80 - 122
Toluene	ND		5.00	4.834		ug/L		97	80 - 120
Ethylbenzene	ND		5.00	5.230		ug/L		105	80 - 120
Xylenes, Total	ND		10.0	10.22		ug/L		102	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*

Lab Sample ID: 580-143568-E-12 MSD
Matrix: Water
Analysis Batch: 471358

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		5.00	5.436		ug/L		109	80 - 122	1	14
Toluene	ND		5.00	4.890		ug/L		98	80 - 120	1	13
Ethylbenzene	ND		5.00	5.269		ug/L		105	80 - 120	1	14
Xylenes, Total	ND		10.0	10.35		ug/L		103	80 - 120	1	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 580-470989/11
Matrix: Water
Analysis Batch: 470989

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	73.0	ug/L			09/11/24 01:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*09/11/24 01:20*	*1*

Lab Sample ID: LCS 580-470989/8
Matrix: Water
Analysis Batch: 470989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline	500	506.5		ug/L		101	55 - 148

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) (Continued)

Lab Sample ID: LCS 580-470989/8
Matrix: Water
Analysis Batch: 470989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Lab Sample ID: LCSD 580-470989/9
Matrix: Water
Analysis Batch: 470989

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline			500	518.1		ug/L		104	55 - 148	2	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*

Lab Sample ID: MB 580-471353/11
Matrix: Water
Analysis Batch: 471353

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	73.0	ug/L			09/13/24 15:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*09/13/24 15:10*	*1*

Lab Sample ID: LCS 580-471353/8
Matrix: Water
Analysis Batch: 471353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
TPH as Gasoline			500	523.9		ug/L		105	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*

Lab Sample ID: LCSD 580-471353/9
Matrix: Water
Analysis Batch: 471353

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline			500	541.0		ug/L		108	55 - 148	3	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

Lab Sample ID: MB 580-471010/1-A
Matrix: Water
Analysis Batch: 471986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 471010

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	ND		200	91.0	ug/L		09/11/24 08:16	09/19/24 15:48	1
Motor Oil (>C24-C36)	ND		350	130	ug/L		09/11/24 08:16	09/19/24 15:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*09/11/24 08:16*	*09/19/24 15:48*	*1*

Lab Sample ID: LCS 580-471010/2-A
Matrix: Water
Analysis Batch: 471986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 471010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (C10-C24)	4000	3724		ug/L		93	50 - 120
Motor Oil (>C24-C36)	4000	4063		ug/L		102	64 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*97*		*50 - 150*

Lab Sample ID: LCSD 580-471010/3-A
Matrix: Water
Analysis Batch: 471986

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 471010

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (C10-C24)	4000	4171		ug/L		104	50 - 120	11	26
Motor Oil (>C24-C36)	4000	4601		ug/L		115	64 - 120	12	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*108*		*50 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-471909/14-A
Matrix: Water
Analysis Batch: 472084

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 471909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.200	ug/L		09/18/24 17:32	09/19/24 11:15	5

Lab Sample ID: LCS 580-471909/15-A
Matrix: Water
Analysis Batch: 472084

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 471909

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1000	966.0		ug/L		97	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 580-471909/16-A
Matrix: Water
Analysis Batch: 472084

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 471909

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead			1000	969.2		ug/L		97	80 - 120	0	20

Lab Sample ID: MB 580-472057/14-A
Matrix: Water
Analysis Batch: 472461

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 472057

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.400	0.0400	ug/L		09/19/24 17:55	09/24/24 07:47	1

Lab Sample ID: LCS 580-472057/15-A
Matrix: Water
Analysis Batch: 472461

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 472057

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			1000	933.5		ug/L		93	80 - 120		

Lab Sample ID: LCSD 580-472057/16-A
Matrix: Water
Analysis Batch: 472461

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 472057

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead			1000	967.0		ug/L		97	80 - 120	4	20

Lab Sample ID: 580-143675-2 MS
Matrix: Water
Analysis Batch: 472084

Client Sample ID: GW-12631216-090924-AR-MW-3
Prep Type: Dissolved
Prep Batch: 471909

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead	ND		1000	1032		ug/L		103	80 - 120		

Lab Sample ID: 580-143675-2 MSD
Matrix: Water
Analysis Batch: 472084

Client Sample ID: GW-12631216-090924-AR-MW-3
Prep Type: Dissolved
Prep Batch: 471909

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		1000	1009		ug/L		101	80 - 120	2	20

Lab Sample ID: 580-143675-2 DU
Matrix: Water
Analysis Batch: 472084

Client Sample ID: GW-12631216-090924-AR-MW-3
Prep Type: Dissolved
Prep Batch: 471909

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	ND			ND		ug/L				NC	20

Lab Sample ID: 580-143757-E-2-C MS
Matrix: Water
Analysis Batch: 472461

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 472057

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead	ND		1000	989.5		ug/L		99	80 - 120		

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 580-143757-E-2-D MSD
Matrix: Water
Analysis Batch: 472461

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 472057

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		1000	993.6		ug/L		99	80 - 120	0	20

Lab Sample ID: 580-143757-E-2-B DU
Matrix: Water
Analysis Batch: 472461

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 472057

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	ND			ND		ug/L				NC	20

Lab Chronicle

Client: GHD Services Inc. Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-AR-MW-2 Lab Sample ID: 580-143675-1

Date Collected: 09/09/24 09:45 **Matrix: Water**
Date Received: 09/09/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	470994	JBT	EET SEA	09/11/24 08:42
Total/NA	Analysis	NWTPH-Gx		1	470989	JBT	EET SEA	09/11/24 08:42
Total/NA	Prep	3510C			471010	JW	EET SEA	09/11/24 08:16
Total/NA	Analysis	NWTPH-Dx		1	471986	SW	EET SEA	09/19/24 19:29
Dissolved	Prep	3005A			471909	MCMS	EET SEA	09/18/24 17:32
Dissolved	Analysis	6020B		5	472084	FCW	EET SEA	09/19/24 12:00

Client Sample ID: GW-12631216-090924-AR-MW-3 Lab Sample ID: 580-143675-2

Date Collected: 09/09/24 11:25 **Matrix: Water**
Date Received: 09/09/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	470994	JBT	EET SEA	09/11/24 04:03
Total/NA	Analysis	NWTPH-Gx		1	470989	JBT	EET SEA	09/11/24 04:03
Total/NA	Prep	3510C			471010	JW	EET SEA	09/11/24 08:16
Total/NA	Analysis	NWTPH-Dx		1	471986	SW	EET SEA	09/19/24 20:09
Dissolved	Prep	3005A			471909	MCMS	EET SEA	09/18/24 17:32
Dissolved	Analysis	6020B		5	472084	FCW	EET SEA	09/19/24 11:24

Client Sample ID: GW-12631216-090924-MH-MW-4 Lab Sample ID: 580-143675-3

Date Collected: 09/09/24 10:21 **Matrix: Water**
Date Received: 09/09/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	470994	JBT	EET SEA	09/11/24 04:26
Total/NA	Analysis	NWTPH-Gx		1	470989	JBT	EET SEA	09/11/24 04:26
Total/NA	Prep	3510C			471010	JW	EET SEA	09/11/24 08:16
Total/NA	Analysis	NWTPH-Dx		1	471986	SW	EET SEA	09/19/24 20:29
Dissolved	Prep	3005A			471909	MCMS	EET SEA	09/18/24 17:32
Dissolved	Analysis	6020B		5	472084	FCW	EET SEA	09/19/24 11:57

Client Sample ID: GW-12631216-090924-MH-MW-5 Lab Sample ID: 580-143675-4

Date Collected: 09/09/24 11:47 **Matrix: Water**
Date Received: 09/09/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	470994	JBT	EET SEA	09/11/24 04:50
Total/NA	Analysis	NWTPH-Gx		1	470989	JBT	EET SEA	09/11/24 04:50
Total/NA	Prep	3510C			471010	JW	EET SEA	09/11/24 08:16
Total/NA	Analysis	NWTPH-Dx		1	471986	SW	EET SEA	09/19/24 20:49
Dissolved	Prep	3005A			471909	MCMS	EET SEA	09/18/24 17:32
Dissolved	Analysis	6020B		5	472084	FCW	EET SEA	09/19/24 11:54

Lab Chronicle

Client: GHD Services Inc. Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-MH-MW-6 Lab Sample ID: 580-143675-5

Date Collected: 09/09/24 09:52 **Matrix: Water**
Date Received: 09/09/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	470994	JBT	EET SEA	09/11/24 05:13
Total/NA	Analysis	NWTPH-Gx		1	470989	JBT	EET SEA	09/11/24 05:13
Total/NA	Prep	3510C			471010	JW	EET SEA	09/11/24 08:16
Total/NA	Analysis	NWTPH-Dx		1	471986	SW	EET SEA	09/19/24 21:09
Dissolved	Prep	3005A			471909	MCMS	EET SEA	09/18/24 17:32
Dissolved	Analysis	6020B		5	472084	FCW	EET SEA	09/19/24 11:51

Client Sample ID: GW-12631216-090924-AR-MW-7 Lab Sample ID: 580-143675-6

Date Collected: 09/09/24 11:58 **Matrix: Water**
Date Received: 09/09/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	470994	JBT	EET SEA	09/11/24 05:36
Total/NA	Analysis	NWTPH-Gx		1	470989	JBT	EET SEA	09/11/24 05:36
Total/NA	Prep	3510C			471010	JW	EET SEA	09/11/24 08:16
Total/NA	Analysis	NWTPH-Dx		1	471986	SW	EET SEA	09/19/24 21:29
Dissolved	Prep	3005A			471909	MCMS	EET SEA	09/18/24 17:32
Dissolved	Analysis	6020B		5	472084	FCW	EET SEA	09/19/24 11:48

Client Sample ID: GW-12631216-090924-AR-MW-8 Lab Sample ID: 580-143675-7

Date Collected: 09/09/24 10:15 **Matrix: Water**
Date Received: 09/09/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	470994	JBT	EET SEA	09/11/24 05:59
Total/NA	Analysis	NWTPH-Gx		1	470989	JBT	EET SEA	09/11/24 05:59
Total/NA	Prep	3510C			471010	JW	EET SEA	09/11/24 08:16
Total/NA	Analysis	NWTPH-Dx		1	471986	SW	EET SEA	09/19/24 21:50
Dissolved	Prep	3005A			471909	MCMS	EET SEA	09/18/24 17:32
Dissolved	Analysis	6020B		5	472084	FCW	EET SEA	09/19/24 11:46

Client Sample ID: GW-12631216-090924-MH-MW-9 Lab Sample ID: 580-143675-8

Date Collected: 09/09/24 12:47 **Matrix: Water**
Date Received: 09/09/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	470994	JBT	EET SEA	09/11/24 06:23
Total/NA	Analysis	NWTPH-Gx		1	470989	JBT	EET SEA	09/11/24 06:23
Total/NA	Prep	3510C			471010	JW	EET SEA	09/11/24 08:16
Total/NA	Analysis	NWTPH-Dx		1	471986	SW	EET SEA	09/19/24 22:10
Dissolved	Prep	3005A			471909	MCMS	EET SEA	09/18/24 17:32
Dissolved	Analysis	6020B		5	472084	FCW	EET SEA	09/19/24 12:08

Lab Chronicle

Client: GHD Services Inc. Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-AR-MW-10 Lab Sample ID: 580-143675-9

Date Collected: 09/09/24 10:45 **Matrix: Water**
Date Received: 09/09/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	470994	JBT	EET SEA	09/11/24 06:46
Total/NA	Analysis	NWTPH-Gx		1	470989	JBT	EET SEA	09/11/24 06:46
Total/NA	Prep	3510C			471010	JW	EET SEA	09/11/24 08:16
Total/NA	Analysis	NWTPH-Dx		1	471986	SW	EET SEA	09/19/24 22:30
Dissolved	Prep	3005A			471909	MCMS	EET SEA	09/18/24 17:32
Dissolved	Analysis	6020B		5	472084	FCW	EET SEA	09/19/24 12:05

Client Sample ID: GW-12631216-090924-MH-MW-11 Lab Sample ID: 580-143675-10

Date Collected: 09/09/24 12:16 **Matrix: Water**
Date Received: 09/09/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	470994	JBT	EET SEA	09/11/24 07:09
Total/NA	Analysis	NWTPH-Gx		1	470989	JBT	EET SEA	09/11/24 07:09
Total/NA	Prep	3510C			471010	JW	EET SEA	09/11/24 08:16
Total/NA	Analysis	NWTPH-Dx		1	471986	SW	EET SEA	09/19/24 22:50
Dissolved	Prep	3005A			471909	MCMS	EET SEA	09/18/24 17:32
Dissolved	Analysis	6020B		5	472084	FCW	EET SEA	09/19/24 12:02

Client Sample ID: GW-12631216-090924-MH-MW-12 Lab Sample ID: 580-143675-11

Date Collected: 09/09/24 10:48 **Matrix: Water**
Date Received: 09/09/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	471358	K1K	EET SEA	09/13/24 19:27
Total/NA	Analysis	NWTPH-Gx		1	471353	K1K	EET SEA	09/13/24 19:27
Total/NA	Prep	3510C			471010	JW	EET SEA	09/11/24 08:16
Total/NA	Analysis	NWTPH-Dx		1	471986	SW	EET SEA	09/19/24 23:10
Dissolved	Prep	3005A			472057	MCMS	EET SEA	09/19/24 17:55
Dissolved	Analysis	6020B		5	472461	FCW	EET SEA	09/24/24 08:40

Client Sample ID: GW-12631216-090924-MH-MW-13 Lab Sample ID: 580-143675-12

Date Collected: 09/09/24 11:17 **Matrix: Water**
Date Received: 09/09/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	471358	K1K	EET SEA	09/13/24 19:50
Total/NA	Analysis	NWTPH-Gx		1	471353	K1K	EET SEA	09/13/24 19:50
Total/NA	Prep	3510C			471010	JW	EET SEA	09/11/24 08:16
Total/NA	Analysis	NWTPH-Dx		1	471986	SW	EET SEA	09/19/24 23:50
Dissolved	Prep	3005A			472057	MCMS	EET SEA	09/19/24 17:55
Dissolved	Analysis	6020B		5	472461	FCW	EET SEA	09/24/24 08:37

Lab Chronicle

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Client Sample ID: GW-12631216-090924-AR-DUP-1
Lab Sample ID: 580-143675-13

Date Collected: 09/09/24 12:00
Matrix: Water
Date Received: 09/09/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	471358	K1K	EET SEA	09/13/24 21:00
Total/NA	Analysis	NWTPH-Gx		1	471353	K1K	EET SEA	09/13/24 21:00
Total/NA	Prep	3510C			471010	JW	EET SEA	09/11/24 08:16
Total/NA	Analysis	NWTPH-Dx		1	471986	SW	EET SEA	09/20/24 00:10
Dissolved	Prep	3005A			472057	MCMS	EET SEA	09/19/24 17:55
Dissolved	Analysis	6020B		5	472461	FCW	EET SEA	09/24/24 08:43

Client Sample ID: GW-12631216-090924-AR-TB-1
Lab Sample ID: 580-143675-14

Date Collected: 09/09/24 09:00
Matrix: Water
Date Received: 09/09/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	471358	K1K	EET SEA	09/13/24 20:13
Total/NA	Analysis	NWTPH-Gx		1	471353	K1K	EET SEA	09/13/24 20:13

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Laboratory: Eurofins Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4167	07-07-25
Washington	State	C788-24	07-13-25

Sample Summary

Client: GHD Services Inc.
Job ID: 580-143675-1
Project/Site: Shell - 1349 NW State St., Chehalis WA

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-143675-1	GW-12631216-090924-AR-MW-2	Water	09/09/24 09:45	09/09/24 14:05
580-143675-2	GW-12631216-090924-AR-MW-3	Water	09/09/24 11:25	09/09/24 14:05
580-143675-3	GW-12631216-090924-MH-MW-4	Water	09/09/24 10:21	09/09/24 14:05
580-143675-4	GW-12631216-090924-MH-MW-5	Water	09/09/24 11:47	09/09/24 14:05
580-143675-5	GW-12631216-090924-MH-MW-6	Water	09/09/24 09:52	09/09/24 14:05
580-143675-6	GW-12631216-090924-AR-MW-7	Water	09/09/24 11:58	09/09/24 14:05
580-143675-7	GW-12631216-090924-AR-MW-8	Water	09/09/24 10:15	09/09/24 14:05
580-143675-8	GW-12631216-090924-MH-MW-9	Water	09/09/24 12:47	09/09/24 14:05
580-143675-9	GW-12631216-090924-AR-MW-10	Water	09/09/24 10:45	09/09/24 14:05
580-143675-10	GW-12631216-090924-MH-MW-11	Water	09/09/24 12:16	09/09/24 14:05
580-143675-11	GW-12631216-090924-MH-MW-12	Water	09/09/24 10:48	09/09/24 14:05
580-143675-12	GW-12631216-090924-MH-MW-13	Water	09/09/24 11:17	09/09/24 14:05
580-143675-13	GW-12631216-090924-AR-DUP-1	Water	09/09/24 12:00	09/09/24 14:05
580-143675-14	GW-12631216-090924-AR-TB-1	Water	09/09/24 09:00	09/09/24 14:05

Eurofins Spokane
11922 E 1st Avenue

Spokane, WA 99206-5302
phone 509.924.9200 fax 509.924.9290

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	**Project Manager: Kinga Kozlowska**		COC No:
GHD	Email: kinga.kozlowska@ghd.com	**Site Contact:**	**Date:** 9/9/24 — 1 of 2 COCs
9725 3rd Ave NE, Ste 204	Tel/Fax: (425) 444-4842	**Lab Contact:**	**Carrier:** — TALS Project #:
Seattle, WA 98115	**Analysis Turnaround Time**		Sampler: Aimee Rike
(425) 444-4842 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS		**For Lab Use Only:**
FAX	TAT if different from Below _____		Walk-in Client:
Project Name: Shell - State St, Chehalis	☐ 2 weeks		Lab Sampling:
Site: 1349 NW State St, Chehalis, WA	☐ 1 week		Job / SDG No.:
Job #: 12631216	☐ 2 days ☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-Gx	BTEX	NWTPH-Dx/O	Dissolved Lead (Field Filtered)	Sample Specific Notes:
GW-12631216-090924-AR-MW-2	9/9/24	0945	G	GW	7	Y	N	X	X	X	X	
GW-12631216-090924-AR-MW-3	"	1125	"	"	7	Y	N	X	X	X	X	
GW-12631216-090924-MH-MW-4		1021			7	Y	N	X	X	X	X	
GW-12631216-090924-MH-MW-5		1147			7	Y	N	X	X	X	X	
GW-12631216-090924-MH-MW-6		0952			7	Y	N	X	X	X	X	
GW-12631216-090924-AR-MW-7		1158			7	Y	N	X	X	X	X	
GW-12631216-090924-AR-MW-8		1015			7	Y	N	X	X	X	X	
GW-12631216-090924-MH-MW-9		1247			7	Y	N	X	X	X	X	
GW-12631216-090924-AR-MW-10		1045			7	Y	N	X	X	X	X	
GW-12631216-090924-MH-MW-11		1216			7	Y	N	X	X	X	X	
GW-12631216-090924-MH-MW-12		1048			7	Y	N	X	X	X	X	
GW-12631216-090924-MH-MW-13		1117			7	Y	N	X	X	X	X	

580-143675 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____	Corr'd: _____	Therm ID No.: _____
Relinquished by:	Company: BTS	Date/Time: 9/9/24 1405	Received by:	Company: ESTN	Date/Time: 9/9/24 1405
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins Spokane
11922 E 1st Avenue

Spokane, WA 99206-5302
phone 509.924.9200 fax 509.924.9290

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Kinga Kozlowska	Site Contact:	Date: 9/9/24	COC No:
GHD	Email: kinga.kozlowska@ghd.com	Lab Contact:	Carrier:	2 of 2 COCs
9725 3rd Ave NE, Ste 204	Tel/Fax: (425) 444-4842			TALS Project #:
Seattle, WA 98115	Analysis Turnaround Time			Sampler: Aimee Rike
(425) 444-4842 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Shell - State St, Chehalis	☐ 2 weeks			Lab Sampling:
Site: 1349 NW State St, Chehalis, WA	☐ 1 week			Job / SDG No.:
Job #: 12631216	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-Gx	BTEX	NWTPH-Dx/O			Dissolved Lead (Field Filtered)									Sample Specific Notes:
GW-12631216-090924-AR-Dup-1	9/9/24	1200	G	GW	7	Y	N	X	X	X			X									
GW-12631216-090924-AR-TB-1	↓	0900	↓	↓	2	N	N	X	X													

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: BTS	Date/Time: 9/9/24 1405	Received by:	Company: EETN	Date/Time: 9/9/24 1405
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Therm. ID: 11 Cor: 6.3 ° Unc: 6.9 °
Cooler Dsc: UPS
Packing: no
Cust. Seal: Yes ___ No X
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: ___
Other: CO

#1

Therm. ID: 11 Cor: 0.9 ° Unc: 1.5 °
Cooler Dsc: UPS
Packing: no
Cust. Seal: Yes ___ No X
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: ___
Other: CO.

#2

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 580-143675-1

Login Number: 143675
List Number: 1
Creator: Groves, Elizabeth

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix B

Groundwater Monitoring Field Data Sheets

WELL GAUGING DATA

Project # 210121-FK1 Date 1/21/21 Client GHD

Site 1349 NW State St Chehalis WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-2	0924	4	—	—	—	—	7.61	28.02		
MW-3	0911	4	—	—	—	—	6.50	28.18		
MW-4	0848	4	odor	—	—	—	5.33	19.83		
MW-5	0858	4	odor	—	—	—	4.94	19.82		
MW-6	1108	4	—	—	—	—	6.21	20.14		
MW-7	0921	4	odor	—	—	—	7.52	20.21		
MW-8	0915	4	—	—	—	—	6.92	19.88		
MW-9	0904	2	—	—	—	—	5.83	14.55		
MW-10	0918	2	—	—	—	—	7.36	11.66		
MW-11	0907	2	—	—	—	—	5.61	9.32		
MW-12	0852	2	—	—	—	—	4.50	15.16		
MW-13	0855	2	—	—	—	—	3.10	14.79		
MW-14	0901	2	—	—	—	—	5.79	14.98	↓	

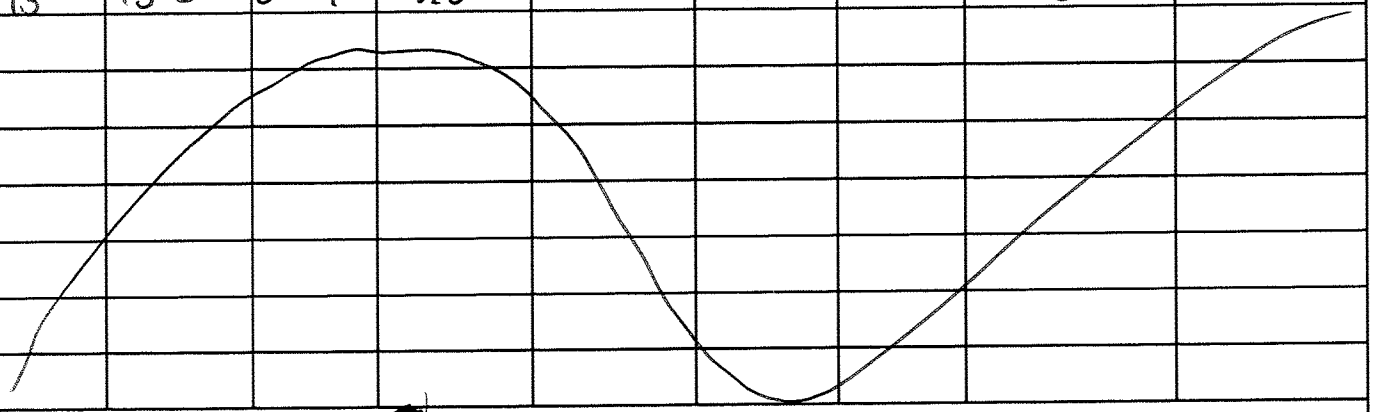
LOW FLOW WELL MONITORING DATA SHEET

Project #: 210121-FK1	Client: GHD
Sampler: AW	Gauging Date: 1/21/21
Well I.D.: MW-2	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 28.02	Depth to Water (ft.): 7.61
Depth to Free Product: ___	Thickness of Free Product (feet): ___
Referenced to: (PVC) Grade	Flow Cell Type: YSI PID DSS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1028 Flow Rate: 200 mL/min Pump Depth: 17.5

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1031	12.8	6.32	463	0	0.11	-39.6	600	7.57
1034	12.8	6.33	465	0	0.09	-42.3	1200	7.58
1037	13.1	6.33	467	2	0.01	-46.1	1800	7.60
1040	13.1	6.33	468	2	0.01	-48.3	2400	7.61
1043	13.3	6.34	470	2	0.01	-50.0	3000	7.63



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1046 Sampling Date: 1/21/21

Sample I.D.: GW-1121 8545-012121-AW-MW-2 Laboratory: Test America

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: See CoC

Equipment Blank I.D.: ___ @ Time Duplicate I.D.: ___

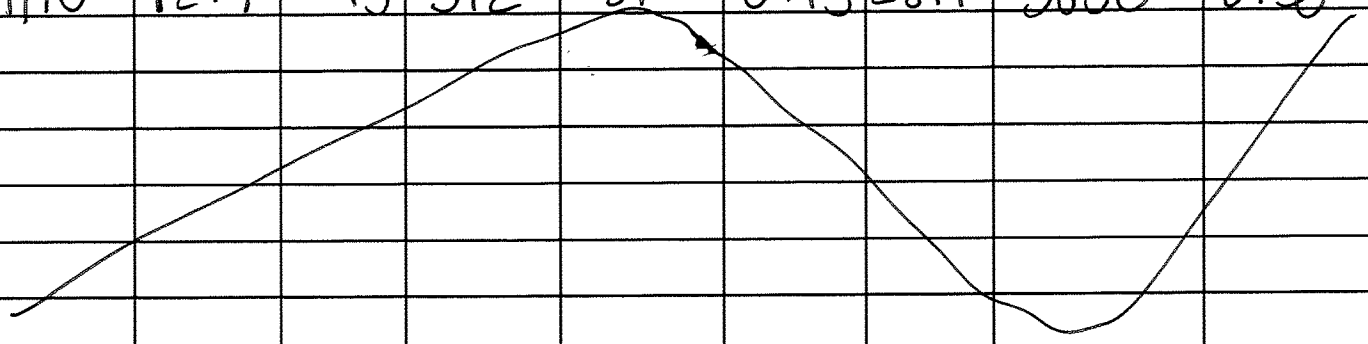
LOW FLOW WELL MONITORING DATA SHEET

Project #: 210121-FK1	Client: GHD
Sampler: FK	Gauging Date: 1/21/21
Well I.D.: MW-3	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 28.18	Depth to Water (ft.): 6.50
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1052 Flow Rate: 200 mL/min Pump Depth: 17

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1055	12.9	6.21	510	81	0.11	21.2	600	6.50
1058	12.8	6.24	507	74	0.08	21.1	1200	6.50
1101	13.1	5.98	508	70	0.10	25.9	1800	6.50
1104	13.0	6.17	507	54	0.12	25.3	2400	6.50
1107	12.8	6.16	511	55	0.13	27.6	3000	6.50
1110	12.7	6.15	512	51	0.13	28.1	3600	6.50



Did well dewater? Yes (No) Amount actually evacuated: 3600 mL

Sampling Time: 1113 Sampling Date: 1/21/21

Sample I.D.: GW-1218545-012121-FK-MW-3 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: ~~~

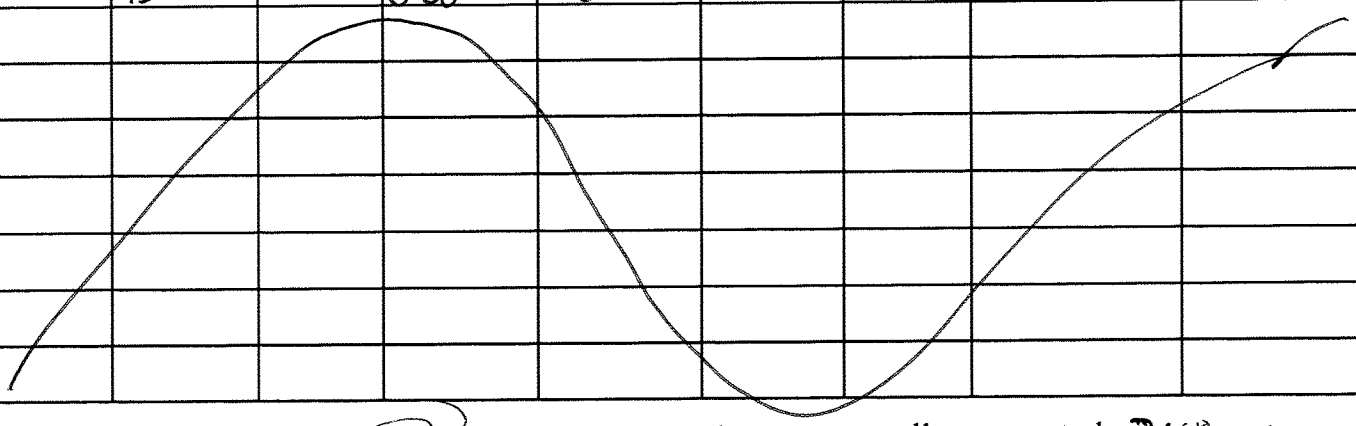
LOW FLOW WELL MONITORING DATA SHEET

Project #: 2012 1-FKJ	Client: GHD
Sampler: AW	Gauging Date: 1/21/21
Well I.D.: MW-4	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 19.83	Depth to Water (ft.): 5.33
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI DSS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1144 Flow Rate: 200 mL/min Pump Depth: 12.5

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1147	13.5	6.40	533	2	0.16	-37.6	600	5.34
1150	13.6	6.40	534	6	0.02	-44.8	1200	5.40
1153	13.7	6.40	536	26	0.01	-49.2	1800	5.46
1156	13.8	6.40	537	28	0.01	-52.0	2400	5.55
1159	13.9	6.40	538	28	0.01	-54.2	3000	5.59



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1202 Sampling Date: 1/21/21

Sample I.D.: GW-11218545-012121-AW-MW-4 Laboratory: Test America

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: See C06

Equipment Blank I.D.: @ Time Duplicate I.D.: ~~~

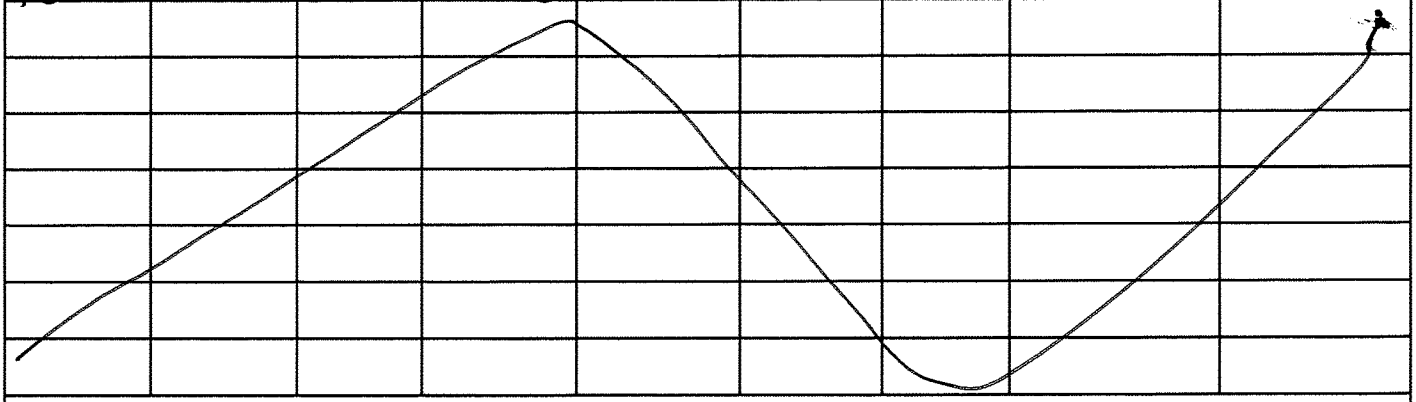
LOW FLOW WELL MONITORING DATA SHEET

Project #: 210121-FK1	Client: GHD
Sampler: FK	Gauging Date: 1/21/21
Well I.D.: MW-5	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 19.82	Depth to Water (ft.): 4.94
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1327 Flow Rate: 200 mL/min Pump Depth: 11

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or uS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1330	12.4	6.19	751	7	0.18	-15.6	600	4.94
1333	12.5	6.25	752	4	0.11	-25.9	1200	4.94
1336	12.7	6.27	753	3	0.09	-31.6	1800	4.94
1339	12.8	6.28	752	4	0.09	-36.9	2400	4.94
1342	12.6	6.29	753	3	0.08	-39.8	3000	4.94



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1345 Sampling Date: 1/21/21

Sample I.D.: GW-11218545-012121-FK-MW-5 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Other): See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: ———

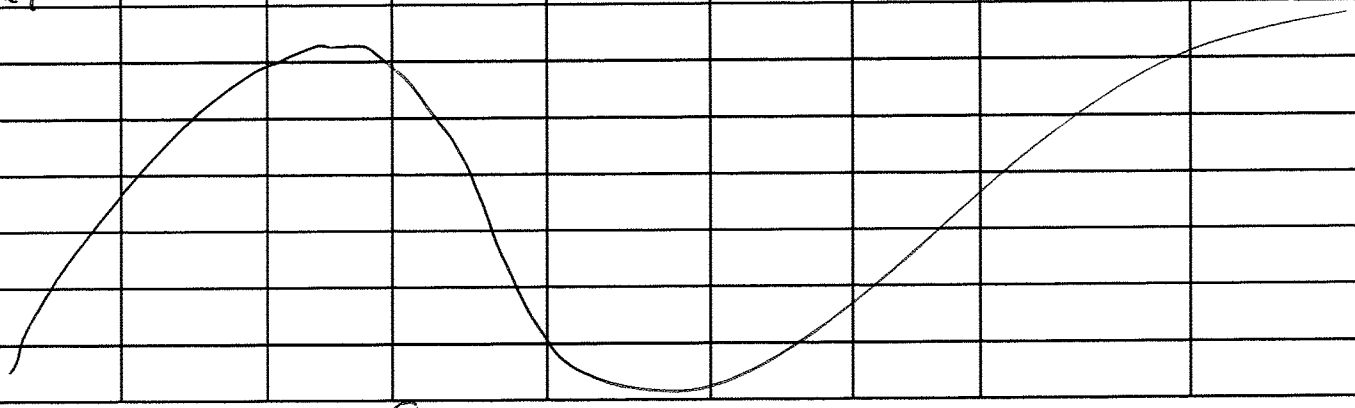
LOW FLOW WELL MONITORING DATA SHEET

Project #: 210121-FK1	Client: GHD
Sampler: AV	Gauging Date: 1/21/21
Well I.D.: MW-6	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 20.14	Depth to Water (ft.): 6.21
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro DSS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1109 Flow Rate: 200 mL/min Pump Depth: 13

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1112	13.2	6.48	674	0	0.22	-53.0	600	6.35
1115	13.2	6.49	675	0	0.06	-60.5	1200	6.39
1118	13.3	6.50	677	0	0.01	-66.3	1800	6.43
1121	13.3	6.50	678	0	0.01	-70.4	2400	6.46
1124	13.4	6.51	679	0	0.01	-72.7	3000	6.51



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1127 Sampling Date: 1/21/21

Sample I.D.: GW-112185GS-012121-AV-MW-6 Laboratory: Test America

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Other:) See CoC

Equipment Blank I.D.: — @ Time Duplicate I.D.: —

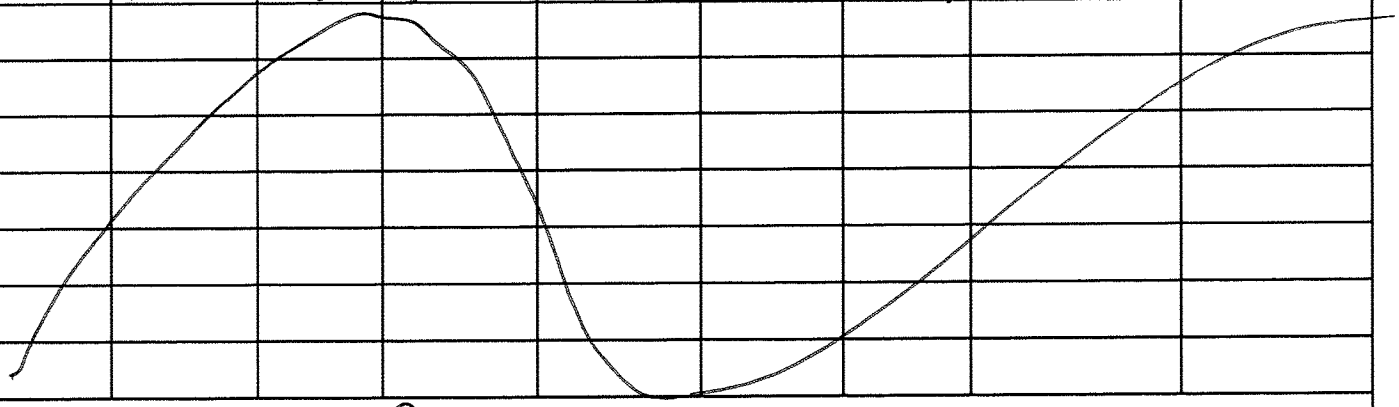
LOW FLOW WELL MONITORING DATA SHEET

Project #: 210121-FK1	Client: GHD
Sampler: AV	Gauging Date: 1/21/21
Well I.D.: MW-7	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 20.21	Depth to Water (ft.): 7.52
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro DSS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 0943 Flow Rate: 200 mL/min Pump Depth: 14.

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0946	12.6	6.42	707	0	0.15	-95.0	600	7.70
0949	12.7	6.42	707	0	0.09	-100.1	1200	7.75
0952	12.7	6.43	727	0	0.05	-102.8	1800	7.81
0955	12.8	6.43	730	0	0.02	-104.6	2400	7.85
0958	12.8	6.44	731	0	0.01	-106.4	3000	7.92



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: ~~0955~~ AV (1/21/21) 1001 Sampling Date: 1/21/21

Sample I.D.: GW-1218545-012121-AV-MW-7 Laboratory: Test America

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: See COC

Equipment Blank I.D.: ~~~ @ Time Duplicate I.D.: ~~~

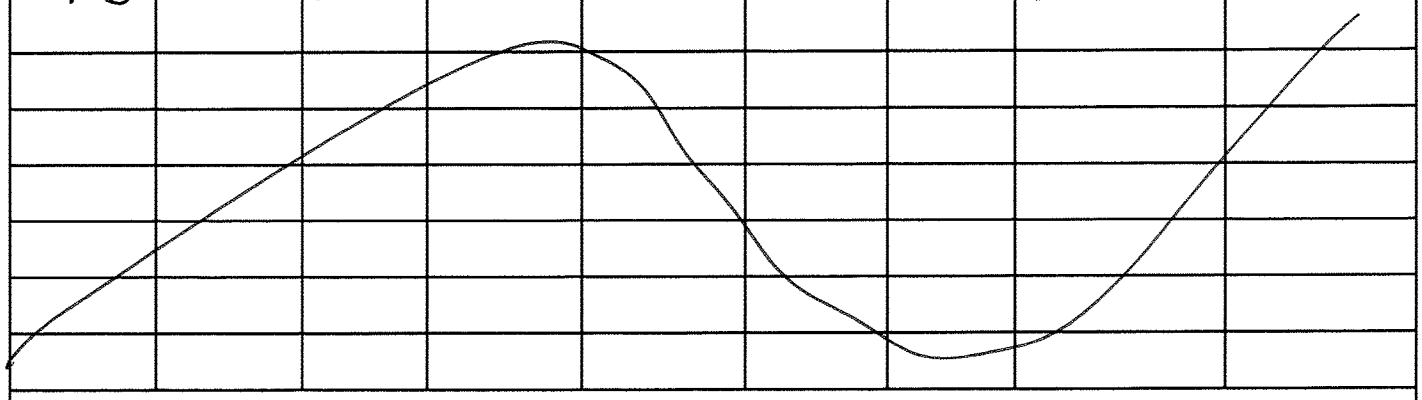
LOW FLOW WELL MONITORING DATA SHEET

Project #: 210121-FK1	Client: GHD
Sampler: FK	Gauging Date: 1/21/21
Well I.D.: MW-8	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 19.88	Depth to Water (ft.): 6.92
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 0938 Flow Rate: 200 mL/min Pump Depth: 13

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0941	12.6	6.43	838	7	0.21	-24.1	600	7.01
0944	12.6	6.47	835	3	0.17	-40.9	1200	7.04
0947	12.7	6.45	836	3	0.16	-52.1	1800	7.08
0950	12.8	6.44	836	3	0.14	-58.1	2400	7.11
0953	12.8	6.46	839	3	0.13	-60.7	3000	7.14



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 0956 Sampling Date: 1/21/21

Sample I.D.: GW-11218545-012121-FK-MW8 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: ~~~

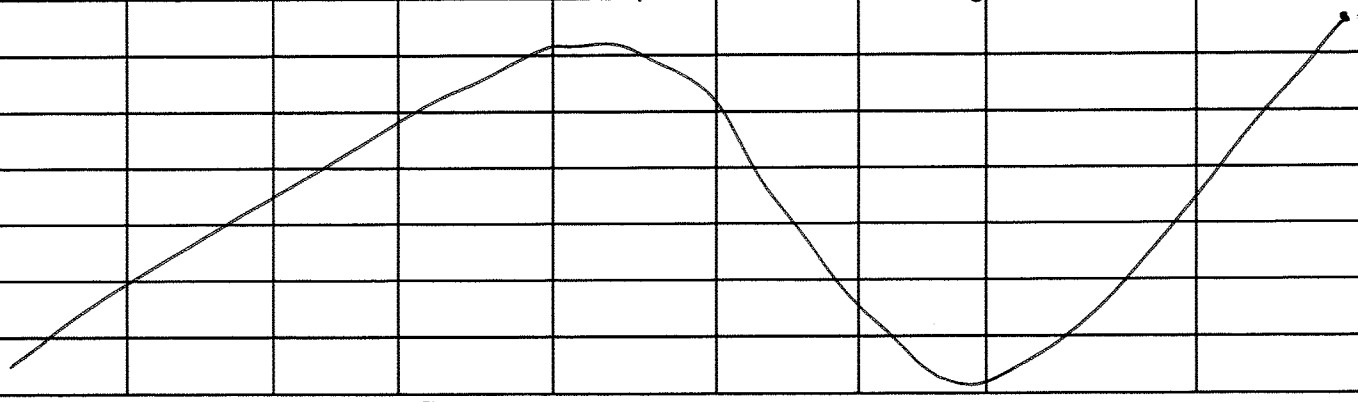
LOW FLOW WELL MONITORING DATA SHEET

Project #: 210121-FK1	Client: GHD
Sampler: FK	Gauging Date: 1/21/21
Well I.D.: MW-9	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 14.55	Depth to Water (ft.): 5.83
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1125 Flow Rate: 200 mL/min Pump Depth: 10

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1128	12.9	6.10	798	15	0.09	-21.0	600	6.40
1131	12.8	6.11	798	13	0.06	-26.1	1200	6.60
1134	13.9	6.21	801	15	0.05	-43.5	1800	6.70
1137	13.1	6.27	801	14	0.05	-51.7	2400	6.87
1140	13.0	6.27	801	14	0.06	-52.6	3000	6.95



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1143 Sampling Date: 1/21/21

Sample I.D.: GW-1121854S-012121-FK-MW9 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: ———

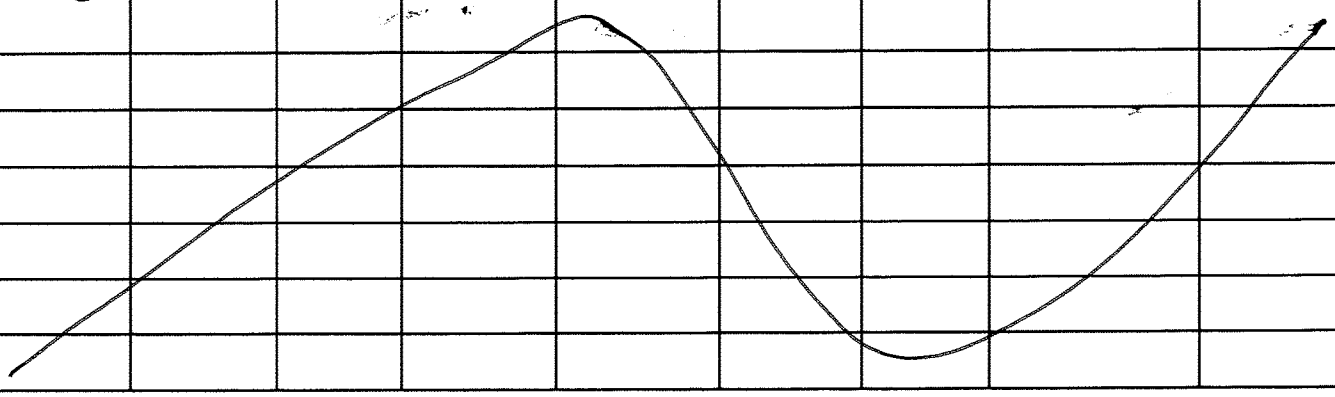
LOW FLOW WELL MONITORING DATA SHEET

Project #: 210121-FK1	Client: GHD
Sampler: FK	Gauging Date: 1/21/21
Well I.D.: MW-10	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 11.66	Depth to Water (ft.): 7.36
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1015 Flow Rate: 100 mL/min Pump Depth: 9

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1018	12.1	6.27	912	19	0.19	-59.8	FK 1/21 600 300	7.43
1021	12.2	6.35	916	24	0.08	-76.5	600	7.58
1024	12.1	6.91	927	48	0.08	-85.4	900	7.67
1027	12.1	6.92	926	53	0.09	-88.1	1200	7.80
1030	12.1	6.92	928	53	0.08	-91.1	1500	7.93



Did well dewater? Yes (No) Amount actually evacuated: 1500 mL

Sampling Time: 1033 Sampling Date: 1/21/21

Sample I.D.: GW-1218545-012121-FK-MW-10 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: ~~~

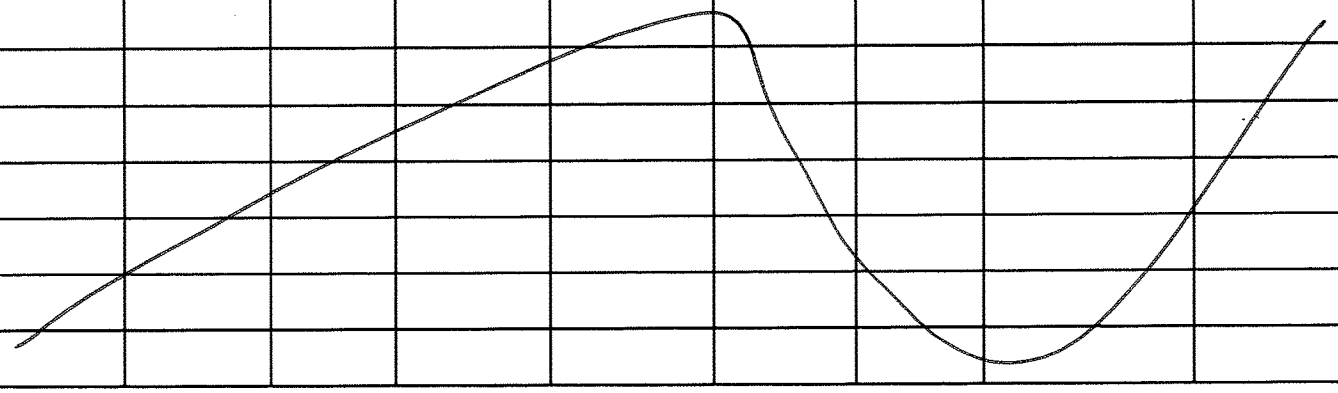
LOW FLOW WELL MONITORING DATA SHEET

Project #: 210121-FK1	Client: GHD
Sampler: FK	Gauging Date: 1/21/21
Well I.D.: MW-11	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 9.32	Depth to Water (ft.): 5.61
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1206 Flow Rate: 100 mL/min Pump Depth: 7

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1209	10.4	5.88	217	22	2.18	57.7	300	5.75
1212	10.6	5.71	218	19	0.12	64.5	600	5.75
1215	10.6	5.70	218	13	0.11	64.7	900	5.75
1218	10.6	5.73	220	12	0.08	63.0	1200	5.75
1221	10.4	5.74	221	12	0.08	60.3	1500	5.75



Did well dewater? Yes (No) Amount actually evacuated: 1500 mL

Sampling Time: 1224 Sampling Date: 1/21/21

Sample I.D.: GW-1121854S-012121-FK-MW-11 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: (See COC)

Equipment Blank I.D.: @ Time Duplicate I.D.: ~~~

LOW FLOW WELL MONITORING DATA SHEET

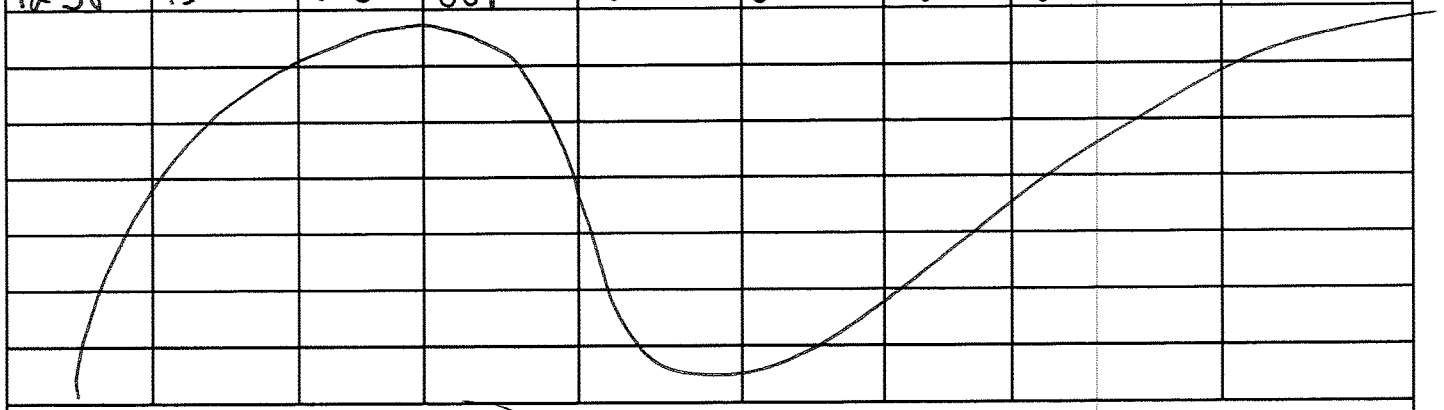
Project #: 210121-F1C1	Client: GHD
Sampler: AV	Gauging Date: 1/21/21
Well I.D.: MW-12	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 15.16	Depth to Water (ft.): 4.50
Depth to Free Product: ___	Thickness of Free Product (feet): ___
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro DSS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1223 Flow Rate: 200 mL/Min Pump Depth: 9.50

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or (uS/cm))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1226	13.6	6.08	673	10	0.08	-0.1	600	4.50
1229	13.8	6.08	680	15	0.01	-6.1	1200	4.85
1232	13.8	6.07	680	25	0.01	-11.3	~~2400~~ AV 1/21/21 1800	5.00
1235	13.5	6.10	688	24	0.01	-16.7	2400	5.00
1238	13.5	6.10	684	24	0.01	-18.1	3000	5.00



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1241 Sampling Date: 1/21/21

Sample I.D.: GV-1218545-012121-AV-MW-12 Laboratory: Test America

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: See CoC

Equipment Blank I.D.: ___ @ Time Duplicate I.D.: ___

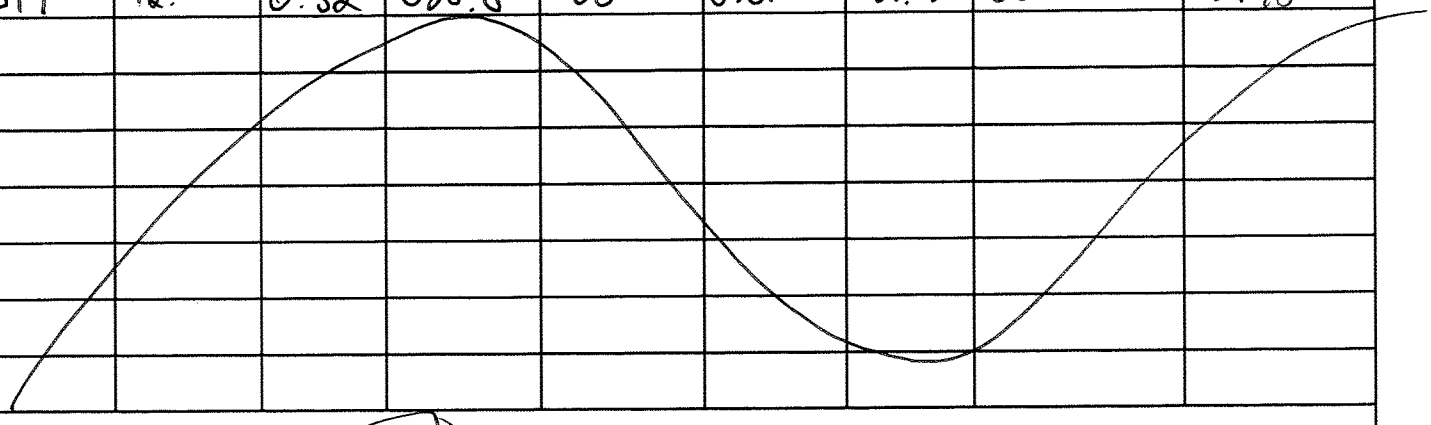
LOW FLOW WELL MONITORING DATA SHEET

Project #: 210121-FK1	Client: GHD
Sampler: AW	Gauging Date: 1/21/21
Well I.D.: MW-13	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 14.79	Depth to Water (ft.): 3.10
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI PID DSS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1254 Flow Rate: 200 mL/min Pump Depth: 9

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or ~~µS/cm~~)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1302	12.4	6.33	334.7	15	0.03	-43.3	600	3.21
1305	12.4	6.32	333.0	31	0.01	-46.6	1200	3.30
1308	12.3	6.32	331.0	30	0.01	-49.2	1800	3.39
1311	12.2	6.32	330.0	30	0.01	-50.6	2400	3.46
1314	12.2	6.32	330.0	30	0.01	-51.7	3000	3.46



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1317 Sampling Date: 1/21/21

Sample I.D.: GW-1121854S-012121-AW-NL43 Laboratory: Test America

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: See CoC

Equipment Blank I.D.: ___ @ Time Duplicate I.D.: ~~~

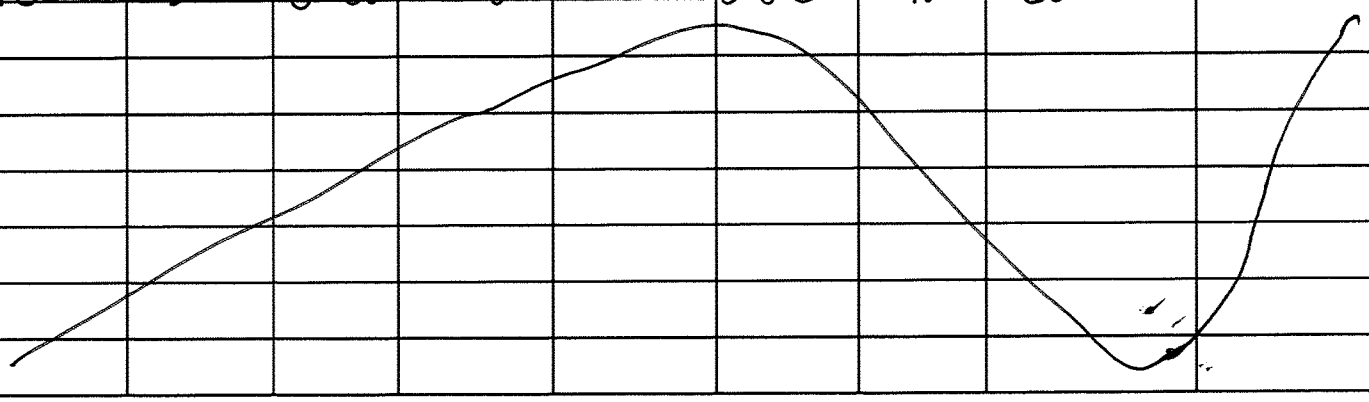
LOW FLOW WELL MONITORING DATA SHEET

Project #: 210121-FK1	Client: GHD
Sampler: FK	Gauging Date: 1/21/21
Well I.D.: MW-14	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 14.98	Depth to Water (ft.): 5.79
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1250 Flow Rate: 200 mL/min Pump Depth: 10

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1253	12.9	6.31	669	31	0.16	-11.2	600	6.00
1256	12.9	6.40	677	18	0.08	-28.0	1200	6.11
1259	12.8	6.41	678	17	0.06	-37.4	1800	6.20
1302	12.7	6.39	677	17	0.04	-44.0	2400	6.26
1305	12.9	6.38	678	16	0.05	-46.1	3000	6.32



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1308 Sampling Date: 1/21/21

Sample I.D.: GW-11218545-012121-FK-MW-14 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: See COC

Equipment Blank I.D.: ~~~ @ Time Duplicate I.D.: ~~~

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

Please Check Appropriate Box:		
☐ GW FDG	☐ PIPELINE	☑ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☐ OTHER _____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Emily Blakeway		DATE: 1/21/21
PO #	GSAP Project ID	PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
ADDRESS: 1680 Rogers Ave., San Jose, CA
PROJECT CONTACT (Hardcopy or PDF Report to): Emily Blakeway
TELEPHONE: (425) 563-6502
FAX:
Bill To Contact E-MAIL: emily.blakeway@ghd.com

SITE ADDRESS: Street and City: 1349 NW State St., Chehalis
State: WA
GHD Project / Task Number: 11218545
EDF DELIVERABLE TO (Name, Company, Office Location): Emily Blakeway, GHD, Seattle
PHONE NO.: (425) 563-6502
E-MAIL: emily.blakeway@ghd.com
AECOM Other ID
SAMPLER NAME(S) (Print): Foster Kaetzel Andrew Wuser
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

UNIT COST: LAB-55 BTEX; St LAB-123 - WA NW Dx Water; LAB-35 MTBE; LAB-36 TBA; LAB-36 TBA; LAB-37 DIPE; LAB-38 TAME; LAB-39 ETBE; TPH-D

NON-UNIT COST: WA - NWTPH-Gx; Total Lead; Dissolved Lead (Field Filtered); EDB (8011); EDC

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	LAB-55 BTEX	St LAB-123 - WA NW Dx Water	LAB-35 MTBE	LAB-36 TBA	LAB-36 TBA	LAB-37 DIPE	LAB-38 TAME	LAB-39 ETBE	TPH-D	WA - NWTPH-Gx	Total Lead	Dissolved Lead (Field Filtered)	EDB (8011)	EDC	Container PID Readings or Laboratory Notes
	GW-11218545-012121-FK-MW3	1/21		GW	8	1		3		12	X	X	X						X	X		X	X	X	
	GW-11218545-012121-AW-MW2	1/21	1046	GW	8	1		3		12	X	X	X						X	X		X	X	X	
	GW-11218545-012121-AW-MW4	1/21	1202	GW	8	1		3		12	X	X	X						X	X		X	X	X	
	GW-11218545-012121-FK-MW5	1/21	1345	GW	8	1		3		12	X	X	X						X	X		X	X	X	
	GW-11218545-012121-AW-MW6	1/21	1127	GW	8	1		3		12	X	X	X						X	X		X	X	X	
	GW-11218545-012121-AW-MW7	1/21	1001	GW	8	1		3		12	X	X	X						X	X		X	X	X	
	GW-11218545-012121-FK-MW8	1/21	0956	GW	8	1		3		12	X	X	X						X	X		X	X	X	
	GW-11218545-012121-FK-MW9	1/21	1143	GW	8	1		3		12	X	X	X						X	X		X	X	X	
	GW-11218545-012121-FK-MW10	1/21	1033	GW	8	1		3		12	X	X	X						X	X		X	X	X	
	GW-11218545-012121-FK-MW11	1/21	1229	GW	8	1		3		12	X	X	X						X	X		X	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
1530 1/21/21		1.21.21	1530

Version: 14Dec15

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

Please Check Appropriate Box:		
☐ SGW FDG	☐ PIPELINE	☑ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☐ OTHER _____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Emily Blakeway		DATE: 1/21/21
PO #	**GSAP Project ID**	PAGE: 2 of 2

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GHD Project / Task Number:
Blaine Tech Services	BTSS	1349 NW State St., Chehalis	WA	11218545

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	AECOM Other ID
1680 Rogers Ave., San Jose, CA	Emily Blakeway, GHD, Seattle	(425) 563-6502	emily.blakeway@ghd.com	

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	Bill To Contact E-MAIL:
Emily Blakeway	(425) 563-6502		emily.blakeway@ghd.com

SAMPLER NAME(S) (Print): Foster Koetzel Andrew Lusar

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	UNIT COST: LAB-55 BTEX	St LAB-123 - WA NW Dx Water	LAB-35 MTBE	LAB-36 TBA	LAB-36 TBA	LAB-37 DIPE	LAB-38 TAME	LAB-39 ETBE	TPH-O	NON-UNIT COST: WA - NWTPH-Gx	Total Lead	Dissolved Lead (Field Filtered)	EDB (8011)	EDC
	GW-11218545-01212-AW-MW-12	1/21	1291	GW	8	1		3		12	X	X	X						X	X		X	X	X	
	GW-11218545-01212-AW-MW-13	1/21	1317	GW	8	1		3		12	X	X	X						X	X		X	X	X	
	GW-11218545-01212-FK-MW-14	1/21	1308	GW	8	1		3		12	X	X	X						X	X		X	X	X	
	GW-11218545-01212-AW-TB01	1/21	1200	GW	2					2	X									X					

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
1530 1/21/21		1-21-21	1530
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 14Dec15

REPORT TO:

Reports will be provided to the contact(s) listed below. Parties other than the contact(s) listed below will require prior approval.

Name: Emily Blakeway
Company: GHD
Address: 1349 NW State St
Chehalis WA

email:
Phone: 425-327-4585
Fax:

Project Manager: Emily Blakeway
Project Name: Shell - Chehalis
Project No.: ~~99995009~~ 11218545

INVOICE TO:

For Invoices **paid by a third party** it is imperative that contact information & corresponding reference No. be provided.

Name: Emily Blakeway
Company: GHD
Address: ~~1349 NW State St~~
~~Che~~

email: EMILY.BLAKEWAY@GHD.COM
Phone: (425) 327-4585
Fax:

Purchase Order No.
Subcontract No.
Quote No.

microbialinsights
10515 Research Dr
Knoxville, TN 37932
phone (865) 573-8188
fax: (865) 573-8133
email: customerservice@microbe.com
www.microbe.com

Please Check One:

☐ More samples to follow
☐ No Additional Samples

Saturday Delivery

Please see sampling protocol for instructions

Report Type: ☐ Standard (default) ☐ Comprehensive ☐ Historical

Please contact us prior to submitting samples regarding questions about the analyses you are requesting at (865) 573-8188 (9:00 am to 5:00 pm M-F). After hours email: customerservice@microbe.com

Sample Information					Analysis																
MI ID (Laboratory Use Only)	Sample Name	Date Sampled	# of vials	Matrix	C3-C36 Whole Oil	C3-C12 PIANO	C8-C40 Full Scan	EDB and Organic Lead	Oxygenated Blending Agents	Other:											
	GW-11218545-012121-AW-MW-2	1/21/21	2	W		X															
	GW-11218545-012121-FK-MW-11	1/21/21	2	W		X															
	GW-11218545-012121-FK-MW-14	1/21/21	2	W		X															

Relinquished by: Date 1/21/21 1600
Received by: SHIPPED VIA FEDEX Date

It is vital that chain of custody is filled out correctly & that all relative information is provided.
Failure to provide sufficient and/or correct information regarding reporting, invoicing & analyses requested information may result in delays for which MI will not be liable.

**Saturday delivery: See sampling protocol for alternate shipping address.

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 94995009 ADDRESS 1349 NW State St

DATE: 1/21/21 CITY & STATE Chehalis WA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size						Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-2	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P	2/3 bolts missing	Y	N	
MW-3	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P	1/3 bolts missing 2/3 tabs stripped water bailed	Y	N	
MW-4	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P	3/3 bolts missing water bailed	Y	N	
MW-5	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P	water bailed 3/3 bolts missing	Y	N	
MW-6	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P	3/3 TABS STRIPPED	Y	N	
MW-7	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P	2/3 bolts missing 1/3 tabs stripped	Y	N	
MW-8	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P	3/3 bolts missing	Y	N	
MW-9	Standpipe	Flush	G	P	Size (inch) 8		Y	N	G	R	G	R	NL	G	P	water bailed	Y	N	
MW-10	Standpipe	Flush	G	P	Size (inch) 8		Y	N	G	R	G	R	NL	G	P	water bailed	Y	N	
MW-11	Standpipe	Flush	G	P	Size (inch) 8		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-12	Standpipe	Flush	G	P	Size (inch) 8		Y	N	G	R	G	R	NL	G	P	water bailed	Y	N	

TOTAL # CAPS REPLACED = 0 | 0 = TOTAL # OF LOCKS REPLACED

Condition of Soil Boring Patches or Abandoned Monitoring Wells	G	P	N/A	If POOR, Borings/Well IDs or Location Description	Photos of Condition		Repair Date and PM Initials
	G	P	N/A		Y	N	

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA	X	G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
0	Y	N	N/A	Y	N	N/A	G	P	N/A	Y	N	Y	N	N/A		Y	N	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Foster Koetzel / BTS

Print or type Name of Field Personnel & Consultant Company

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 94995009

ADDRESS 1349 NW State St

DATE: 1/21/21

CITY & STATE Chehalis WA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-13	Standpipe	(Flush)	(G)	P	Size (inch) 8	(Y)	N	(G)	R	(G)	R	NL	(G)	P	Water bailed	Y	(N)	
MW-14	Standpipe	(Flush)	(G)	P	Size (inch) 8	(Y)	N	(G)	R	G	R	(NL)	(G)	P		Y	(N)	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	

TOTAL # CAPS REPLACED = (0) | (0) = TOTAL # OF LOCKS REPLACED

Condition of Soil Boring Patches or Abandoned Monitoring Wells	G	P	(N/A)	If POOR, Borings/Well IDs or Location Description		Y	(N)	

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA	X	G	P	(N/A)	G	P	(N/A)	G	P	(N/A)	Y	N	(N/A)		Y	(N)	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible		Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
(0)	Y	N	(N/A)	Y	N	(N/A)	G	P	(N/A)	Y	(N)	Y	N	(N/A)		Y	(N)	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Foster Koetzel / BTS

Print or type Name of Field Personnel & Consultant Company

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	1349 NW State St Chehalis WA			PROJECT NUMBER	210121-FK1		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI PRO PLUS	BTS #5	1/21/21 0630	PH 4 7 10	√ 4.03 7.01 9.97	√	12.10°C 12.04°C 12.16°C	FK
			cond 3000 uS/cm DO 100%	√ 3910 uS/cm √ 99.2%	√	12.30°C 11.01°C	FK
			ORP 250.5mV	√ 252.0mV	√	12.26°C	FK

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 210121-FK1				PROJECT NUMBER 44995009			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI Pro DSS	18L100136	1/21/21 0630	PH 4.00 7.00 10.00	3.98 6.99 10.01	✓	41°F/5°C	AW
			DO 100% AW 1/21/21 ~~Conductivity 25.7x~~ ORP 257 AW	99% 256	✓	41°F/5°C	AW
			Conductivity 3900	3898	✓	41°F/5°C	AW

SHELL BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT SHELL FACILITIES IN THE STATE OF WASHINGTON OR OREGON. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS, IS MADE UP INTO LOADS OF APPROPRIATE SIZE TO BE TRANSPORTED & PROCESSED BY A SHELL APPROVED WASTE HAULER.

The contractor performing this work is BLAINE TECH SERVICES, INC. 22727 72ND Ave South, Suite D – 102, Kent, WA 98032. Blaine Tech Services, Inc. is authorized by SHELL OIL COMPANY (SHELL) to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purgewater that is drawn from wells at the SHELL facility indicated below and to deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Shell facility to BTS; from one Shell facility to BTS via another Shell facility; or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of SHELL.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the SHELL facility described below:

96195009	Perry Pineda
INCIDENT #	Shell Engineer

1349	NW State St	Chehalis	WA
street number	street name	city	state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-2	1	MW-10	1
MW-3	1	MW-11	1
MW-4	1	MW-12	1
MW-5	1	MW-13	1
MW-6	1	MW-14	1
MW-7	1		
MW-8	1		
MW-9	1		
added equip. rinse water	1	any other adjustments	

TOTAL GALS. RECOVERED 15

loaded onto BTS vehicle # 88

BTS event # 210121-FK1 time 1600 date 1/21/21

signature

* *

RECEIVED AT BTS Kent time 1600 date 1/21/21

unloaded by signature

	GHD Shell SGW (US) **Daily Tailgate Meeting & Job Clearance Form**	Issue: 1/2/2011 Revision 11: October 2016 Do NOT pre-populate any field.

Job Location:	1349 NW State St Chehalis WA	Date:	1/21/26
GHD Site Supervisor:	FOSter Kaetzel	GHD PM:	Emily Blakeway

List activities to be performed today:	Groundwater Monitoring
Permitted Activities (specific permit to be competed):	☒ Not Applicable ☐ Confined Space Entry ☐ Excavation/Trenching ☐ Hot Work ☐ Hoisting/Rigging (any lifting with equipment, excluding drill rigs) ☐ Natural Gas System Maintenance

The above Permit-required activities require onsite GHD supervision unless approved by Regional Operations.

Muster Point:	Stihl Store	Spill Kit Location:	In truck Station tool
First Aid Kit Location:	In truck	Fire Extinguisher Location:	In truck
Emergency cut-off switches:	Station building	Designated cell phone use area(s):	Passenger seat

Has the Site Manager/Owner been notified of the work activities and/or participated in a pre-work site walk?	☒ Yes ☐ No ☐ N/A
Is a fuel delivery scheduled for today? If yes, plan to Stop Work during fuel delivery.	☐ Yes ☒ No ☐ N/A
Has a site walk been performed to identify additional hazards?	☒ Yes ☐ No*
Have all personnel reviewed and understand the site specific HASP?	☒ Yes ☐ No*
Does each activity have a Job Safety Analysis (JSA)?	☒ Yes ☐ No*
Does each subcontractor have JSAs for their activities?	☒ Yes ☐ No* ☐ N/A
Have JSAs been reviewed by the work team and newly identified hazards been added to the JSA?	☒ Yes ☐ No*
Per our lone worker procedure, is each employee either accompanied by or in communications with another?	☒ Yes ☐ No* ☐ N/A
Has a Safe Lift Plan been completed and reviewed/approved by a GHD Subject Matter Expert?	☐ Yes ☒ No* N/A
Have all members of the work team confirmed understanding of the work, hazards, and controls/ mitigation?	☒ Yes ☒ No* 1/21
Has each person on the work team discussed all hazards and mitigation measures associated with any task which will require their feet to leave the ground?	☒ Yes ☐ No* ☐ N/A
Have work areas been properly cordoned-off to protect workers, site staff, and the public?	☒ Yes ☐ No* ☐ N/A
Have equipment checks been completed, documented, and reviewed?	☒ Yes ☐ No* ☐ N/A
Have there been any equipment modifications made by subcontractor(s)? Is yes, discuss modifications.	☐ Yes ☒ No ☐ N/A
Do all members of the work team have API Safety Keys (GHD excluded)?	☒ Yes ☐ No* ☐ N/A
Do all members of the work team have a Shell "Life Saving Rules" Training card?	☒ Yes ☐ No*
Do all site workers understand injury/ intervention reporting requirements including immediately notifying the GHD Site Supervisor of any injury, near miss, unsafe condition, hazard observation, or release?	☒ Yes ☐ No*
If permits are required, have they been reviewed and permit conditions understood by the Team?	☐ Yes ☐ No* ☒ N/A
If drilling, did driller physically point out all pinch points to entire team (GHD and all subs)?	☐ Yes ☐ No* ☒ N/A
If drilling, has the driller & crew agreed the audible and visible signals for "all clear" prior to engaging controls?	☐ Yes ☐ No* ☒ N/A

** If No, then work cannot be performed until corrective action is completed and documented.*

Title of GHD JSAs reviewed today:	Groundwater Monitoring COVID-19	Title of Subcontractor's JSAs reviewed today:	Groundwater Monitoring COVID-19

All personnel are wearing (regardless of activity):	☒ Hard Hat ☒ Safety Glasses ☒ Safety Vest ☒ Steel-Toed Boots ☒ Gloves (appropriate for task) See JSA for additional task specific PPE requirements.

Stop Work Authority & Obligation

* All employees will stop the job any time anyone is concerned or uncertain about safety.
* All employees will stop the job if anyone identifies a hazard or additional mitigation not recorded on the JSA.
* All employees will be alerted to any changes in personnel or conditions at the worksite.
* All employees will stop the job and reassess a task, hazards, and mitigations, and then amend the JSA as needed.

Other Items Discussed Today:

Circle the Life Saving Rule Icons that are applicable to the work/activities that will take place today:

	GHD Shell SGW (US) Daily Tailgate Meeting & Job Clearance Form	Issue: January 2, 2011 Revision 11: October 2016 Do NOT pre-populate any field.

SITE WORKERS (including GHD Contractors and Subcontractors): By signing here, you are stating the following:

* You understand that compliance with Shell's Life Saving Rules is mandatory and that failing to follow to them may result in termination.
* You have been involved in reviewing the JSAs and understand the hazards and control measures associated with each task you are about to perform.
* You understand the permit to work requirements applicable to the work you are about to perform (if it includes permitted activities).
* You understand the Shell Life Saving Rules and are aware that tasks or work that is not risk-assessed shall not be performed.
* You are aware of your authority and obligation to 'Stop Work'.

I arrived and departed fit for duty:

* You are physically and mentally fit for duty,
* You are not under the influence of any type of medication, drugs, or alcohol that could affect your ability to work safely.
* You are aware of your responsibility to immediately report any illness, injury (regardless of where or when it occurred), or fatigue issue you may have to the GHD Site Supervisor.
* You will sign-out uninjured unless you have otherwise informed the GHD Site Supervisor.

Print Name & Company	Signature	Initials & Sign In Time	Initials & Sign Out Time
Foster Kaetzel / BTS		FK In & Fit 0825	FK Out & Fit 1420
Andrew Wuser / BTS		AW In & Fit 0825	AW Out & Fit 1420
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit

(Attach additional Site Worker sign-in/out sheets if needed)

PERSONAL SAFETY COMMITMENT (Attach additional Personal Safety Commitment sheets, if needed)

Print Name	"I will personally commit to do the following to positively improve site safety today":
Foster Kaetzel	I will practice safe social distancing
Andrew Wuser	I will use Proper PPE

SITE VISITORS (attach additional Site Visitor sign-in/out sheets if needed)

Print Name	Company Name	Arrival Time	Departure Time	Signature

SITE REPRESENTATIVE Sign In/Out (operating sites only, and signature must be requested. If the operator refuses to sign, note this on the Form)

Sign In: *I have discussed this Job Clearance Form with the contractor*		Sign Out: *I have discussed this Job Clearance Form with the contractor*	
Site Representative Name	Site Representative Signature	Site Representative Name	Site Representative Signature
Autumn Creech		Delyn Fandrich	Delyn Fandrich

TWILIGHT TOOL BOX TALK (Complete the following once field activities for the day have been concluded):

Were there any Incidents, Near Misses, Potential Incidents, or Positive Interventions today?	☐ Yes ☒ No	If yes, provide details:
Were there any 'Stop Work' interventions?	☐ Yes ☒ No	If yes, provide details:
Were there any areas for improvement noted?	☐ Yes ☒ No	If yes, provide details:
Is the Site Manager/Owner happy with the way you left the site (including the location of waste drums and/or equipment)?	☒ Yes ☐ No	If no, provide details:
I certify that the above information is true and the job site is being left in a safe condition	☒ Yes ☐ No	GHD Site Supervisor Signature:

WELL GAUGING DATA

Project # 210114-AW1 Date 7/14/21 Client GHD

Site 1349 NW State St, Chehalis, WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-2	0809	4	Odor				9.13	27.97		
MW-3	0852	4					7.92	28.11		
MW-4	0817	4					7.17	19.78		
MW-5	0828	4					6.81	~~20.1~~ 19.79		
MW-6	0813	4					6.65	20.15		
MW-7	0845	4					9.47	20.12		
MW-8	0838	4					7.40	19.80		
MW-9	0857	2					6.29	14.51		
MW-10	0842	2					~~6.84~~ 7.69	11.62		
MW-11	0835	2					6.23	8.30		
MW-12	0821	2					5.89	15.16		
MW-13	0825	2					6.63	14.76		
MW-14	0831	2	Odor				6.13	14.95		

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210714-AW	Client: GHD
Sampler: AW	Gauging Date: 7/14/21
Well I.D.: MW-2	Well Diameter (in.): (2) 3 (4) 6 8 ____
Total Well Depth (ft.): 27.99	Depth to Water (ft.): 9.13
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1333 Flow Rate: 200 mL/min Pump Depth: A

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1336	19.11	7.82	574	4	1.81	93.2	600	9.35
1339	19.23	7.05	~~574~~ 574	2	1.95	83.1	1200	9.39
1342	19.91	7.06	577	1	1.94	98.5	1800	9.44
1345	19.10	7.15	573	1	1.85	98.7	2400	9.47
1348	19.33	7.09	571	1	1.88	97.0	3000	9.53

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1351 Sampling Date: 7/14/21

Sample I.D.: GW-1121854S-071421-AW-MW-2 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: See CoC)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210714-AW1	Client: GHD
Sampler: AW	Gauging Date: 7/14/21
Well I.D.: MW-3	Well Diameter (in.): ~~2~~ 3 (4) 6 8 ____
Total Well Depth (ft.): 28.11	Depth to Water (ft.): 7.92
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1135 Flow Rate: 200 mL/min Pump Depth: 17

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1138	17.02	6.80	643	65	8.20	97.0	600	8.17
1141	16.94	6.69	646	29	8.13	85.9	1200	8.22
1144	17.21	6.73	649	31	5.61	30.6	1800	8.25
1147	17.17	6.77	649	29	5.47	29.8	2400	8.29
1150	17.33	6.78	650	29	5.33	27.1	3000	8.33

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1153 Sampling Date: 7/14/21

Sample I.D.: GW-112185S5-071421-AW-MW-3 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: See CoC)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210M-AW1	Client: GHD
Sampler: AW	Gauging Date: 7/14/21
Well I.D.: MW-4	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 19.78	Depth to Water (ft.): 7.17
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1405 Flow Rate: 200 mL/min Pump Depth: 13

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1408	18.77	6.10	632	2	1.55	43.2	600	7.29
1411	18.94	6.21	634	1	0.96	37.5	1200	7.32
1414	18.55	6.99	626	1	0.75	23.0	1800	7.36
1417	18.48	7.05	625	1	0.86	25.3	2400	7.39
1420	18.53	7.09	627	1	0.99	19.3	3000	7.43

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1423 Sampling Date: ~~7/14~~ 7/14/21

Sample I.D.: GW-1218575-071421-AW-MW-4 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other): See CoC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210714-AW1	Client: GHD
Sampler: AW	Gauging Date: 7/14/21
Well I.D.: MW-5	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 19.79	Depth to Water (ft.): 6.81
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ____

Start Purge Time: 1616 Flow Rate: 200 mL/min Pump Depth: 19

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1619	19.32	6.85	818	2	1.09	104.3	600	6.78
1622	19.28	5.32	819	1	0.62	64.6	1200	6.76
1625	19.28	5.62	821	1	0.72	99.8	1800	6.76
1628	19.03	5.59	817	1	0.59	56.1	2400	6.76
1631	19.02	5.82	817	1	0.61	57.3	3000	6.76

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1634 Sampling Date: 7/14/21

Sample I.D.: GU-112185ES-071421-AV-MW5 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: 500 CC)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210719-AV1	Client: GHD
Sampler: AV	Gauging Date: 7/19/21
Well I.D.: MW-6	Well Diameter (in.): ~~2~~ 3 (4) 6 8 ____
Total Well Depth (ft.): 20.15	Depth to Water (ft.): 6.65
Depth to Free Product: ~	Thickness of Free Product (feet): ~
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1300 Flow Rate: 200 mL/min Pump Depth: 13

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1300	19.77	6.62	~~0.837~~ 737	3	0.82	41.6	(600)	6.78
1306	19.65	6.73	736	2	1.60	46.1	1200	6.81
1309	19.48	6.77	734	1	1.64	48.9	1800	6.83
1312	19.69	6.71	737	1	1.60	49.1	2400	6.85
1315	19.70	6.73	737	1	1.68	51.3	3000	6.87

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1318 Sampling Date: 7/19/21

Sample I.D.: GW-112185S-071921-AV-MW-6 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: See CoC)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210714-AW1	Client: GHD
Sampler: AW	Gauging Date: 7/14/21
Well I.D.: MW-7	Well Diameter (in.): (2) 3 (4) 6 8 ____
Total Well Depth (ft.): 20.12	Depth to Water (ft.): 9.47
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other____

Start Purge Time: 1219 Flow Rate: 200 mL/min Pump Depth: 15

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1222	16.52	6.37	880	13	1.15	26.0	600	9.61
1225	16.31	6.31	875	8	1.69	32.7	1200	9.65
1228	16.37	6.31	877	~~6.136~~	1.56	35.7	1800	9.70
1231	16.44	6.32	879	5	1.29	40.3	2400	9.75
1234	16.48	6.34	880	5	1.35	37.9	3000	9.80

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1237 Sampling Date: 7/14/21

Sample I.D.: GW-11218595-071421-AW-MW-7 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other): See CoC

Equipment Blank I.D.: @ Time Duplicate I.D.: GW-11218595-071421-AW-DUP1

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210714-AW1	Client: GHD
Sampler: AW	Gauging Date: 7/14/21
Well I.D.: MW-8	Well Diameter (in.): (2) 3 (4) 6 8 ___
Total Well Depth (ft.): 19.80	Depth to Water (ft.): 7.40
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1018 Flow Rate: 200 mL/min Pump Depth: 13

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1021	16.51	6.77	858	4.87	1.33	-43.7	600	7.52
1024	16.66	6.70	861	1	1.07	-48.8	1200	7.53
1027	16.68	6.72	861	1	0.82	-55.2	1800	7.56
1030	16.67	6.74	860	1	0.69	-55.9	2400	7.58
1033	16.70	6.75	860	1	0.75	-57.7	3000	7.59

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1036 Sampling Date: 7/14/21

Sample I.D.: GW-1218545-071421-AW-MW-8 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: See CoC)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210714-AW1	Client: GHD
Sampler: AW	Gauging Date: 7/14/21
Well I.D.: MW-9	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 19.51	Depth to Water (ft.): 6.29
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 0906 Flow Rate: 200 mL/min Pump Depth: ~~6.89~~ MW 10

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
0909	16.40	6.11	894	30	2.13	0.7	600	6.88
0912	16.66	6.04	898	20	1.37	-9.0	1200	7.46
0915	16.81	6.15	901	18	1.12	-20.5	1800	8.05
0918	16.88	6.20	903	18	1.07	-26.3	2400	8.27
0921	16.80	6.24	898	17	1.00	-29.8	3000	8.56

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 0925 Sampling Date: 7/14/21

Sample I.D.: GW-112185US-071421-AW-MW-9 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: See CoC)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210714 -AU1	Client: GHD
Sampler: AU	Gauging Date: 7/14/21
Well I.D.: MW-10	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 11.62	Depth to Water (ft.): 7.69
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1050 Flow Rate: 100 mL/min Pump Depth: 9 11

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1053	17.77	6.95	884	12	0.56	-64.2	~~600~~ AU 300	8.39
1056	18.11	6.86	901	15	0.32	-76.4	~~1200~~ AU 600	8.68
1059	18.12	6.87	919	21	0.23	-88.9	~~1800~~ AU 900	8.90
1102	18.15	6.88	922	22	0.07	-94.1	1200	8.98
~~1105~~	18.20	6.88	922	21	0.05	-96.3	1500	9.13

Did well dewater? Yes (No) Amount actually evacuated: 1500 mL

Sampling Time: 1108 Sampling Date: 7/14/21

Sample I.D.: GW-112878-071421-AU-MW-10 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other) See CoC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210719-AW	Client: ~~AEG~~ GHD
Sampler: AW	Gauging Date: 7/19/21
Well I.D.: MW-11	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 9.30	Depth to Water (ft.): 6.23
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 0944 Flow Rate: 100 mL/min Pump Depth: 8

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
0947	17.92	6.37	726	32	4.20	-4.4	~~600~~ 300	6.46
0950	17.96	6.35	721	~~18.4~~ 18	4.56	-4.4	~~1200~~ 600	6.46
0953	17.57	6.36	731	12	4.38	-5.1	~~1800~~ 900	6.46
0956	17.63	6.37	732	12	4.29	-4.8	~~2400~~ 1200	6.46
0959	17.61	6.38	731	12	4.28	-2.5	~~3000~~ 1500	6.46

Did well dewater? Yes (No) Amount actually evacuated: ~~3000~~ 1500 mL

Sampling Time: 1002 Sampling Date: 7/19/21

Sample I.D.: GW-1218595-071921-AW-MW-11 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: See COC)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210714-AW1	Client: GHD
Sampler: AV	Gauging Date: 7/14/21
Well I.D.: MW-12	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 15.16	Depth to Water (ft.): 5.84
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1436 Flow Rate: 200 mL/min Pump Depth: 10

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1439	18.27	7.57	823	6	1.93	96.5	600	6.10
1442	18.45	7.28	815	5	1.03	85.9	1200	6.15
1445	18.13	~~6.10~~ 6.66	787	~~6~~ 6	1.91	82.8	1800	6.20
1448	18.25	6.35	787	6	1.74	80.6	2400	6.25
1451	18.18	6.33	787	6	1.63	78.3	3000	6.30

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1454 Sampling Date: 7/14/21

Sample I.D.: GW-112185-07/21-AV-MW-12 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other): See CoC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210714-AW1	Client: GHD
Sampler: AU	Gauging Date: 7/17/21
Well I.D.: MW-13	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 19.76	Depth to Water (ft.): 6.63
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other____

Start Purge Time: 1512 Flow Rate: 200 ml/min Pump Depth: 10

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1515	19.92	6.95	583	23	1.21	45.2	600	6.30
1518	19.66	7.21	586	23	0.88	56.6	1200	6.38
1521	19.78	7.14	588	25	1.42	51.7	1800	6.44
1524	19.79	7.17	588	23	1.61	61.3	2400	6.51
1527	19.66	7.12	587	23	1.70	57.1	3000	6.56

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1530 Sampling Date: 7/17/21

Sample I.D.: GW-112185945-071421-AW-MW-13 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210714-AW1	Client: GHD
Sampler: AW	Gauging Date: 7/14/21
Well I.D.: MW-14	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 14.95	Depth to Water (ft.): 6.13
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1544 Flow Rate: 200 mL/min Pump Depth: 10

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1547	19.16	5.91	777	14	0.97	35.6	600	6.31
1550	19.41	5.90	785	9	1.98	26.6	1200	6.40
1553	19.74	5.80	791	6	0.92	26.7	1800	6.46
1556	19.98	5.78	790	6	0.90	18.2	2400	6.55
1559	19.61	5.82	790	6	1.87	26.1	3000	6.59

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: ~~GW-112185715-071421-AW1~~ 1602 Sampling Date: 7/14/21

Sample I.D.: ~~AW-14GW-112185715-071421-AW-MW-14~~ AW Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other) See CoC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☑ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☐ OTHER _____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Emily Blakeway		DATE: 7/19/21
PO #	**GSAP Project ID**	PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
ADDRESS: 1680 Rogers Ave., San Jose, CA
PROJECT CONTACT (Hardcopy or PDF Report to): Emily Blakeway
TELEPHONE: (425) 563-6502
FAX:
Bill To Contact E-MAIL: emily.blakeway@ghd.com

SITE ADDRESS: Street and City: 1349 NW State St., Chehalis
State: WA
GHD Project / Task Number: 11218545
EDF DELIVERABLE TO (Name, Company, Office Location): Emily Blakeway, GHD, Seattle
PHONE NO.: (425) 563-6502
E-MAIL: emily.blakeway@ghd.com
AECOM Other ID:
SAMPLER NAME(S) (Print): Andrew Luser
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

UNIT COST

LAB-55 BTEX	St LAB-123 - WA NW Dx Water	LAB-35 MTBE	LAB-36 TBA	LAB-36 TBA	LAB-37 DIPE	LAB-38 TAME	LAB-39 ETBE	TPH-D

NON-UNIT COST

WA - NWTPH-Gx	Total Lead	Dissolved Lead (Field Filtered)	EDB (8011)	EDC

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	UNIT COST	NON-UNIT COST
	GW-11218545-071921-AW-MW-2	7/19/21	1351	water	8	2				10	X X X X	X X X X X
	GW-11218545-071921-AW-MW-3	7/19/21	1153	water	8	2				10	X X X X	X X X X X
	GW-11218545-071921-AW-MW-4	7/19/21	1432	water	8	2				10	X X X X	X X X X X
	GW-11218545-071921-AW-MW-5	7/19/21	1634	water	8	2				10	X X X X	X X X X X
	GW-11218545-071921-AW-MW-6	7/19/21	1318	water	8	2				10	X X X X	X X X X X
	GW-11218545-071921-AW-MW-7	7/19/21	1237	water	8	2				10	X X X X	X X X X X
	GW-11218545-071921-AW-MW-8	7/19/21	1036	water	8	2				10	X X X X	X X X X X
	GW-11218545-071921-AW-MW-9	7/19/21	0925	water	8	2				10	X X X X	X X X X X
	GW-11218545-071921-AW-MW-10	7/19/21	1108	water	8	2				10	X X X X	X X X X X
	GW-11218545-071921-AW-MW-11	7/19/21	1002	water	8	2				10	X X X X	X X X X X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 14Dec15

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☑ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☐ OTHER _____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Emily Blakeway		DATE: 7/19/21
PO #	**GSAP Project ID**	PAGE: 2 of 2

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GHD Project / Task Number:
Blaine Tech Services	BTSS	1349 NW State St., Chehalis	WA	11218545

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	AECOM Other ID
1680 Rogers Ave., San Jose, CA	Emily Blakeway, GHD, Seattle	(425) 563-6502	emily.blakeway@ghd.com	

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	Bill To Contact E-MAIL:	SAMPLER NAME(S) (Print):
Emily Blakeway	(425) 563-6502		emily.blakeway@ghd.com	Andrew Meser

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

UNIT COST

LAB-55 BTEX	St LAB-123 - WA NW Dx Water	LAB-35 MTBE	LAB-36 TBA	LAB-36 TBA	LAB-37 DIPE	LAB-38 TAME	LAB-39 ETBE	TPH-D

NON-UNIT COST

WA - NWTPH-Gx	Total Lead	Dissolved Lead (Field Filtered)	EDB (8011)	EDC

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	LAB-55 BTEX	St LAB-123 - WA NW Dx Water	LAB-35 MTBE	LAB-36 TBA	LAB-36 TBA	LAB-37 DIPE	LAB-38 TAME	LAB-39 ETBE	TPH-D	WA - NWTPH-Gx	Total Lead	Dissolved Lead (Field Filtered)	EDB (8011)	EDC	Container PID Readings or Laboratory Notes
	GW-1121854S-071421-AU-MW-12	7/14/21	1454	water	8	2				10	X	X	X						X	X	X	X	X	X	
	GW-1121854S-071421-AU-MW-13	7/14/21	1530	water	8	2				10	X	X	X						X	X	X	X	X	X	
	GW-1121854S-071421-AU-MW-14	7/14/21	1602	water	8	2				10	X	X	X						X	X	X	X	X	X	
	GW-1121854S-071421-AU-DUP-1	7/14/21	1200	water	8	2				10	X	X	X						X	X	X	X	X	X	
	GW-1121854S-071421-AU-TB-1	7/14/21	0800	water	2					2	X									X					

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 14Dec15

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 21079-AW 4499500 ADDRESS 1349 NW State St

DATE: 7/14/21 CITY & STATE Chehalis WA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-2	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P	3/3 Bolts missing	Y	N	
MW-3	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P	3/3 Bolts missing	Y	N	
MW-4	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-5	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P	3/3 Bolts missing	Y	N	
MW-6	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P	3/3 Tabs Stripped	Y	N	
MW-7	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-8	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P	3/3 Bolts missing	Y	N	
MW-9	Standpipe	Flush	G	P	Size (inch) 2	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-10	Standpipe	Flush	G	P	Size (inch) 2	Y	N	G	R	G	R	NL	G	P	2/2 Bolts missing	Y	N	
MW-11	Standpipe	Flush	G	P	Size (inch) 2	Y	N	G	R	G	R	NL	G	P	2/2 tabs stripped	Y	N	
MW-12	Standpipe	Flush	G	P	Size (inch) 2	Y	N	G	R	G	R	NL	G	P		Y	N	
TOTAL # CAPS REPLACED = 0											0		= TOTAL # OF LOCKS REPLACED					

Condition of Soil Boring Patches or Abandoned Monitoring Wells	G	P	N/A	If POOR, Borings/Well IDs or Location Description	Photos of Condition		Repair Date and PM Initials
			N/A		Y	N	

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA		G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
	Y	N	N/A	Y	N	N/A	G	P	N/A	Y	N	Y	N	N/A		Y	N	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Andrew Wuser

Print or type Name of Field Personnel & Consultant Company

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 94[illegible]9 ADDRESS 13[illegible] NW State St

DATE: 7/17/21 CITY & STATE Chehalis WA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-13	Standpipe	(Flush)	(G)	P	Size (inch) 2	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
MW-14	Standpipe	(Flush)	(G)	P	Size (inch) 2	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	

TOTAL # CAPS REPLACED = (0) = TOTAL # OF LOCKS REPLACED

Condition of Soil Boring Patches or Abandoned Monitoring Wells	G	P	(N/A)	If POOR, Borings/Well IDs or Location Description		Y	(N)	

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA		G	P	(N/A)	G	P	(N/A)	G	P	(N/A)	Y	N	(N/A)		Y	(N)	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
	Y	N	(N/A)	Y	N	(N/A)	G	P	(N/A)	Y	(N)	Y	N	(N/A)		Y	(N)	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Andrew Lusser

Print or type Name of Field Personnel & Consultant Company

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 1319 N W State St, Chehalis				PROJECT NUMBER ~~0~~ 2071-AW			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556 ~~0260203~~	0260203	7/14/21	DO 0% air 100 7.00 10.00 ORP 231 Cond. 390	97.6% 3.98 7.11 10.03 246.3 397	✓	20°C	AW
					✓	20°C	AW

SHELL BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT SHELL FACILITIES IN THE STATE OF WASHINGTON OR OREGON. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS, IS MADE UP INTO LOADS OF APPROPRIATE SIZE TO BE TRANSPORTED & PROCESSED BY A SHELL APPROVED WASTE HAULER.

The contractor performing this work is BLAINE TECH SERVICES, INC. 22727 72ND Ave South, Suite D – 102, Kent, WA 98032. Blaine Tech Services, Inc. is authorized by SHELL OIL COMPANY (SHELL) to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purgewater that is drawn from wells at the SHELL facility indicated below and to deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Shell facility to BTS; from one Shell facility to BTS via another Shell facility; or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of SHELL.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the SHELL facility described below:

9799 S009	Perry Pineda
INCIDENT #	Shell Engineer

1319	NW State St	Chehalis	WA
street number	street name	city	state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-2	1	MW-10	1
MW-3	1	MW-11	1
MW-4	1	MW-12	1
MW-5	1	MW-13	1
MW-6	1	MW-14	1
MW-7	1		
MW-8	1		
MW-9	1		

added equip. rinse water 1 .25

any other adjustments

TOTAL GALS. RECOVERED 13.25

loaded onto BTS vehicle # 136

BTS event # 210714-AW1 time 1650 date 7/14/21

signature

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RECEIVED AT BTS Kent time 1835 date 7/14/21

unloaded by signature

	GHD Shell SGW (US) **Daily Tailgate Meeting & Job Clearance Form**	Issue: 1/2/2011 Revision 11: October 2016 Do NOT pre-populate any field.

Job Location:	1349 NW State St, Chehalis.	Date:	7/11/21
GHD Site Supervisor:	Andrew Wagner	GHD PM:	Emily Blakeway

List activities to be performed today:	Grabbing water monitoring
Permitted Activities (specific permit to be competed):	☒ Not Applicable ☐ Confined Space Entry ☐ Excavation/Trenching ☐ Hot Work ☐ Hoisting/Rigging (any lifting with equipment, excluding drill rigs) ☐ Natural Gas System Maintenance

The above Permit-required activities require onsite GHD supervision unless approved by Regional Operations.

Muster Point:	LC Coffee Co	Spill Kit Location:	in truck
First Aid Kit Location:	in truck	Fire Extinguisher Location:	in truck
Emergency cut-off switches:	For NW Corner Bc start front	Designated cell phone use area(s):	in Cab of truck

Has the Site Manager/Owner been notified of the work activities and/or participated in a pre-work site walk?	☒ Yes ☐ No ☐ N/A
Is a fuel delivery scheduled for today? If yes, plan to Stop Work during fuel delivery.	☐ Yes ☒ No ☐ N/A
Has a site walk been performed to identify additional hazards?	☒ Yes ☐ No*
Have all personnel reviewed and understand the site specific HASP?	☒ Yes ☐ No*
Does each activity have a Job Safety Analysis (JSA)?	☒ Yes ☐ No*
Does each subcontractor have JSAs for their activities?	☒ Yes ☐ No* ☐ N/A
Have JSAs been reviewed by the work team and newly identified hazards been added to the JSA?	☒ Yes ☐ No*
Per our lone worker procedure, is each employee either accompanied by or in communications with another?	☒ Yes ☐ No* ☐ N/A
Has a Safe Lift Plan been completed and reviewed/approved by a GHD Subject Matter Expert?	☐ Yes ☐ No* ☒ N/A
Have all members of the work team confirmed understanding of the work, hazards, and controls/ mitigation?	☒ Yes ☐ No*
Has each person on the work team discussed all hazards and mitigation measures associated with any task which will require their feet to leave the ground?	☒ Yes ☐ No* ☐ N/A
Have work areas been properly cordoned-off to protect workers, site staff, and the public?	☒ Yes ☐ No* ☐ N/A
Have equipment checks been completed, documented, and reviewed?	☒ Yes ☐ No* ☐ N/A
Have there been any equipment modifications made by subcontractor(s)? Is yes, discuss modifications.	☐ Yes ☒ No ☐ N/A
Do all members of the work team have API Safety Keys (GHD excluded)?	☒ Yes ☐ No* ☐ N/A
Do all members of the work team have a Shell "Life Saving Rules" Training card?	☒ Yes ☐ No*
Do all site workers understand injury/ intervention reporting requirements including immediately notifying the GHD Site Supervisor of any injury, near miss, unsafe condition, hazard observation, or release?	☒ Yes ☐ No*
If permits are required, have they been reviewed and permit conditions understood by the Team?	☐ Yes ☐ No* ☒ N/A
If drilling, did driller physically point out all pinch points to entire team (GHD and all subs)?	☐ Yes ☐ No* ☒ N/A
If drilling, has the driller & crew agreed the audible and visible signals for "all clear" prior to engaging controls?	☐ Yes ☐ No* ☒ N/A

** If No, then work cannot be performed until corrective action is completed and documented.*

Title of GHD JSAs reviewed today:	Groundwater monitoring	Title of Subcontractor's JSAs reviewed today:	

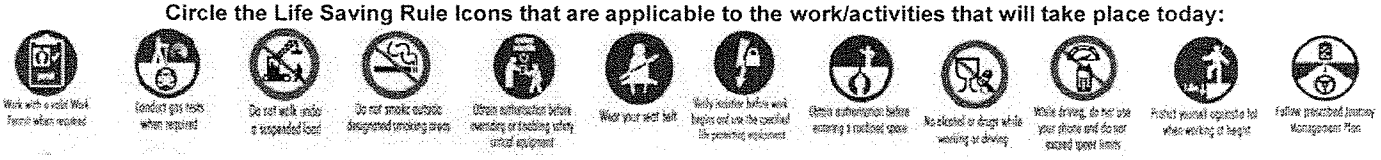
All personnel are wearing (regardless of activity):	☒ Hard Hat ☒ Safety Glasses ☒ Safety Vest ☒ Steel-Toed Boots ☒ Gloves (appropriate for task) See JSA for additional task specific PPE requirements.

Stop Work Authority & Obligation

* All employees will stop the job any time anyone is concerned or uncertain about safety.
* All employees will stop the job if anyone identifies a hazard or additional mitigation not recorded on the JSA.
* All employees will be alerted to any changes in personnel or conditions at the worksite.
* All employees will stop the job and reassess a task, hazards, and mitigations, and then amend the JSA as needed.

Other Items Discussed Today:

Circle the Life Saving Rule Icons that are applicable to the work/activities that will take place today:



	GHD Shell SGW (US) Daily Tailgate Meeting & Job Clearance Form	Issue: January 2, 2011 Revision 11: October 2016 Do NOT pre-populate any field.

SITE WORKERS (including GHD Contractors and Subcontractors): By signing here, you are stating the following:

* You understand that compliance with Shell's Life Saving Rules is mandatory and that failing to follow to them may result in termination.
* You have been involved in reviewing the JSAs and understand the hazards and control measures associated with each task you are about to perform.
* You understand the permit to work requirements applicable to the work you are about to perform (if it includes permitted activities).
* You understand the Shell Life Saving Rules and are aware that tasks or work that is not risk-assessed shall not be performed.
* You are aware of your authority and obligation to 'Stop Work'.

I arrived and departed fit for duty:

* You are physically and mentally fit for duty,
* You are not under the influence of any type of medication, drugs, or alcohol that could affect your ability to work safely.
* You are aware of your responsibility to immediately report any illness, injury (regardless of where or when it occurred), or fatigue issue you may have to the GHD Site Supervisor.
* You will sign-out uninjured unless you have otherwise informed the GHD Site Supervisor.

Print Name & Company	Signature	Initials & Sign In Time	Initials & Sign Out Time
Andrew Lauser		AL In & Fit 0742	AL Out & Fit 1652
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit

(Attach additional Site Worker sign-in/out sheets if needed)

PERSONAL SAFETY COMMITMENT (Attach additional Personal Safety Commitment sheets, if needed)

Print Name	"I will personally commit to do the following to positively improve site safety today":
Andrew Lauser	I will wear all required PPE

SITE VISITORS (attach additional Site Visitor sign-in/out sheets if needed)

Print Name	Company Name	Arrival Time	Departure Time	Signature

SITE REPRESENTATIVE Sign In/Out (operating sites only, and signature must be requested. If the operator refuses to sign, note this on the Form)

Sign In: *I have discussed this Job Clearance Form with the contractor*		Sign Out: *I have discussed this Job Clearance Form with the contractor*	
Site Representative Name	Site Representative Signature	Site Representative Name	Site Representative Signature
Melissa Ung	Melissa Ung		

TWILIGHT TOOL BOX TALK (Complete the following once field activities for the day have been concluded):

Were there any Incidents, Near Misses, Potential Incidents, or Positive Interventions today?	☐ Yes ☒ No	If yes, provide details:
Were there any 'Stop Work' interventions?	☐ Yes ☒ No	If yes, provide details:
Were there any areas for improvement noted?	☐ Yes ☒ No	If yes, provide details:
Is the Site Manager/Owner happy with the way you left the site (including the location of waste drums and/or equipment)?	☒ Yes ☐ No	If no, provide details:
I certify that the above information is true and the job site is being left in a safe condition	☒ Yes ☐ No	GHD Site Supervisor Signature:

WELL GAUGING DATA

Project # 221011-cm1 Date 10/11/22 Client GHD

Site 1349 NW State St Chehalis WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-2	0823	4	—	—	—	—	10.10	27.96		
MW-3	0841	4	—	—	—	—	8.99	28.14		
MW-4	0829	4	—	—	—	—	8.23	19.97		
MW-5	0835	4	—	—	—	—	7.35	19.91		
MW-6	0827	4	odor	—	—	—	7.72	20.15		
MW-7	0825	4	odor	—	—	—	10.38	20.10		
MW-8	0845	4	odor	—	—	—	8.27	19.80		
MW-9	0837	2	odor	—	—	—	6.74	14.54		
MW-10	0843	2	—	—	—	—	8.52	11.60		
MW-11	0839	2	—	—	—	—	6.97	9.23		
MW-12	0831	2	—	—	—	—	6.08	15.14		
MW-13	0833	2	—	—	—	—	6.84	14.75		
MW-14	—	—	—	unable	to access	—	—	—	—	—

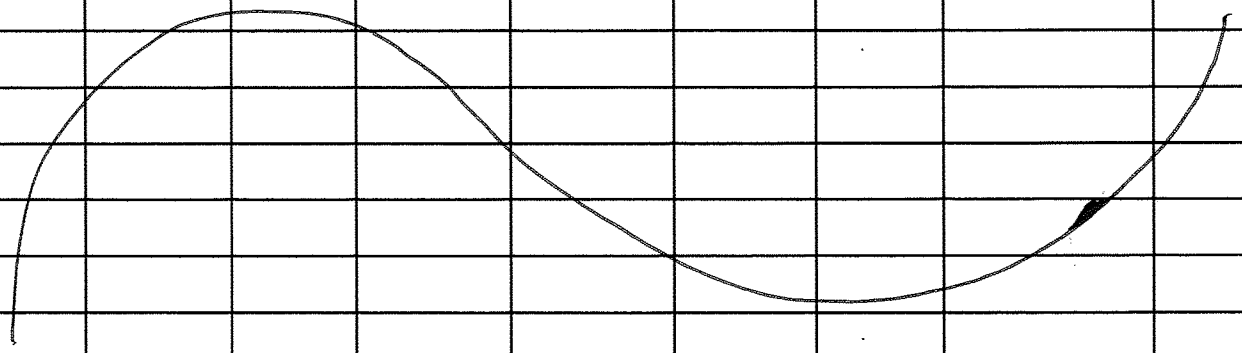
LOW FLOW WELL MONITORING DATA SHEET

Project #: 221011-cm1	Client: GHD
Sampler: CM	Gauging Date: 10/11/22
Well I.D.: MW-2	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 27.96	Depth to Water (ft.): 10.10
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: (PVC) Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1150 Flow Rate: 200 ml/min Pump Depth: 19 ft

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1153	17.47	6.34	0.559	16	0.46	24.7	600	10.30
1156	17.58	6.36	0.562	11	0.39	22.8	1200	10.34
1159	17.60	6.36	0.562	12	0.36	21.0	1800	10.38
1202	17.59	6.36	0.562	12	0.34	20.3	2400	10.41
1205	17.58	6.36	0.562	11	0.33	19.0	3000	10.44



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1208 Sampling Date: 10/11/22

Sample I.D.: GW-11218545-101122-CM-MW-2 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

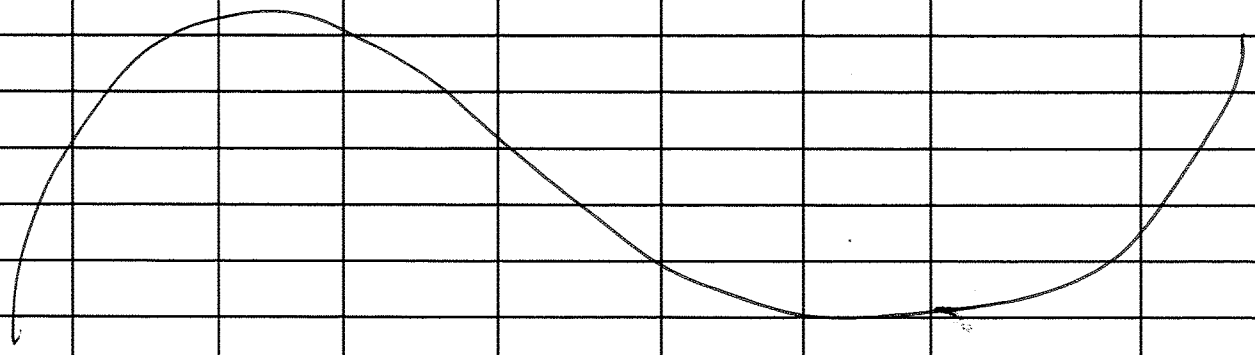
LOW FLOW WELL MONITORING DATA SHEET

Project #: 221011-cm1	Client: GHD
Sampler: cm	Gauging Date: 10/11/22
Well I.D.: MW-3	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 28.14	Depth to Water (ft.): 8.99
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1011 Flow Rate: 200 mL/min Pump Depth: 19 ft

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1014	16.57	6.41	0.567	84	0.46	53.4	600	9.13
1017	16.74	6.40	0.570	46	0.34	50.2	1200	9.16
1020	16.74	6.38	0.569	44	0.28	45.6	1800	9.19
1023	16.78	6.37	0.570	43	0.27	41.2	2400	9.21
1026	16.80	6.35	0.570	41	0.26	38.6	3000	9.23



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1029 Sampling Date: 10/11/22

Sample I.D.: GW-1121854S-101122-cm-mw-3 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) see COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

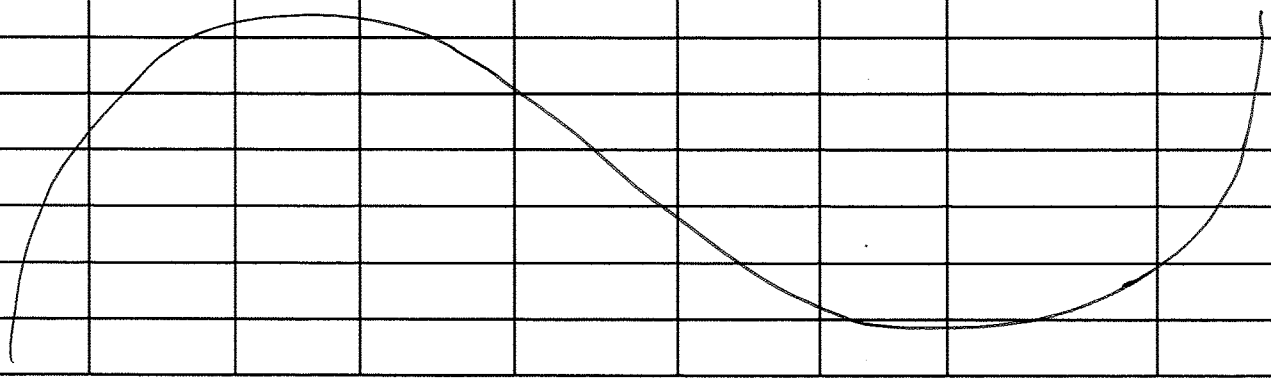
LOW FLOW WELL MONITORING DATA SHEET

Project #: 221011-cm1	Client: GHD
Sampler: CM	Gauging Date: 10/11/22
Well I.D.: MW-4	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 19.97	Depth to Water (ft.): 8.23
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1253 Flow Rate: 200 mL/min Pump Depth: 14 ft

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1256	18.88	7.69	0.670	3	0.45	9.3	600	8.30
1259	18.91	7.47	0.673	5	0.29	8.4	1200	8.34
1302	18.77	7.41	0.671	4	0.24	5.8	1800	8.37
1305	18.74	7.39	0.671	4	0.23	5.2	2400	8.40
1308	18.77	7.37	0.671	3	0.22	3.1	3000	8.43



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1311 Sampling Date: 10/11/22

Sample I.D.: GW-1121854S-101122-CM-MW-4 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

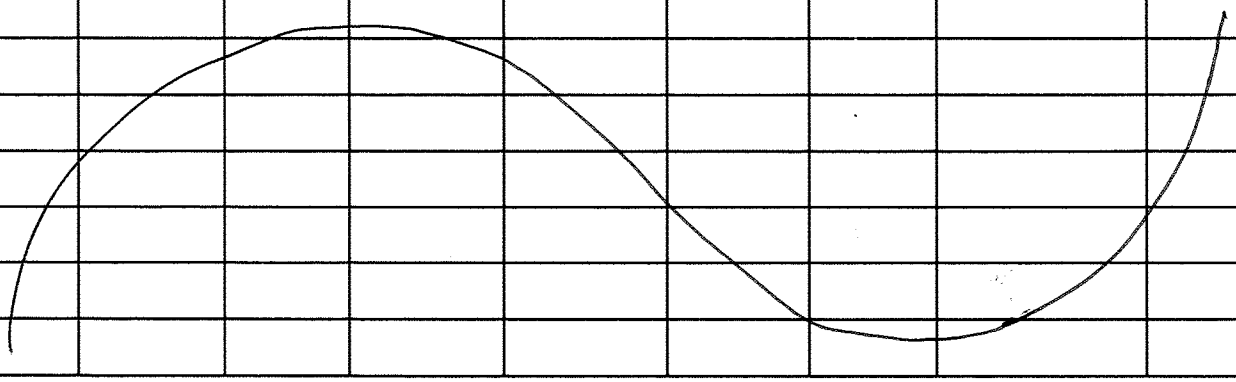
LOW FLOW WELL MONITORING DATA SHEET

Project #: 221011-cm1	Client: GHD
Sampler: cm	Gauging Date: 10/11/22
Well I.D.: MW-5	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 19.91	Depth to Water (ft.): 7.35
Depth to Free Product: -	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1428 Flow Rate: 200 mL/min Pump Depth: 13.5 ft

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1431	20.57	7.22	0.709	6	1.15	-8.1	600	7.45
1434	20.45	7.27	0.709	6	0.39	-6.7	1200	7.51
1437	20.23	7.21	0.710	7	0.36	-7.8	1800	7.55
1440	20.23	7.24	0.710	6	0.34	-11.0	2400	7.59
1443	20.18	7.24	0.711	6	0.33	-13.0	3000	8 7.62



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1446 Sampling Date: 10/11/22

Sample I.D.: GW-1121854S-101122-cm-mw-5 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) see COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 221011-cm1	Client: GHD
Sampler: CM	Gauging Date: 10/11/22
Well I.D.: MW-6	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 20.15	Depth to Water (ft.): 7.72
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1224 Flow Rate: 200 mL/min Pump Depth: 14.25 ft

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1227	20.76	6.39	0.714	7	0.62	16.7	600	7.90
1230	20.72	6.92	0.724	5	0.33	10.6	1200	7.95
1233	20.69	7.05	0.732	3	0.27	8.1	1800	8.00
1236	20.74	7.06	0.734	3	0.27	4.1	2400	8.04
1239	20.76	7.05	0.734	3	0.26	1.6	3000	8.08

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1242 Sampling Date: 10/11/22

Sample I.D.: GW-1121854S-101122-CM-MW-6 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 221011-cm1	Client: GHD
Sampler: CM	Gauging Date: 10/11/22
Well I.D.: MW-7	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 20.10	Depth to Water (ft.): 10.38
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1112 Flow Rate: 200 mL/min Pump Depth: 15ft

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1115	16.13	6.61	0.794	4	0.43	39.0	600	10.51
1118	16.35	6.37	0.798	4	0.36	38.0	1200	10.59
1121	16.31	6.33	0.799	3	0.30	35.2	1800	10.66
1124	16.34	6.30	0.802	3	0.29	30.7	2400	10.71
1127	16.37	6.28	0.802	3	0.30	28.1	3000	10.76

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1130 Sampling Date: 10/11/22

Sample I.D.: GW-1121854S-101122-cm-mw-7 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

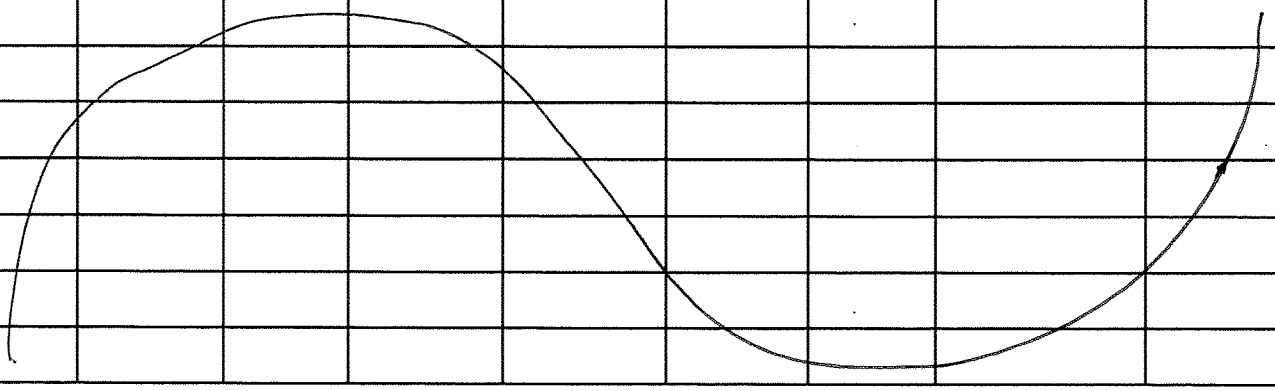
LOW FLOW WELL MONITORING DATA SHEET

Project #: 22108-cm1	Client: GHD
Sampler: cm	Gauging Date: 10/11/22
Well I.D.: MW-8	Well Diameter (in.): ~~2~~ 3 (4) 6 8 ____
Total Well Depth (ft.): 19.80	Depth to Water (ft.): 8.27
Depth to Free Product: –	Thickness of Free Product (feet): –
Referenced to: (PVC) Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
Sampling Method: ~~Dedicated Tubing~~ New Tubing Other ____

Start Purge Time: 1500 Flow Rate: 200 mL/min Pump Depth: 13.75 ft

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1503	18.99	7.78	0.754	6	0.88	-1.1	600	8.40
1506	19.01	7.80	0.749	5	0.80	-0.4	1200	8.45
1509	18.99	7.81	0.748	4	0.82	-3.6	1800	8.48
1512	18.97	7.83	0.749	4	0.82	-6.3	2400	8.50
1515	18.98	7.83	0.750	4	0.80	-9.1	3000	8.52



Did well dewater? Yes (No) Amount actually evacuated: 3000 ml

Sampling Time: 1518 Sampling Date: 10/11/22

Sample I.D.: GW-11218545-101122-cm-mw-8 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

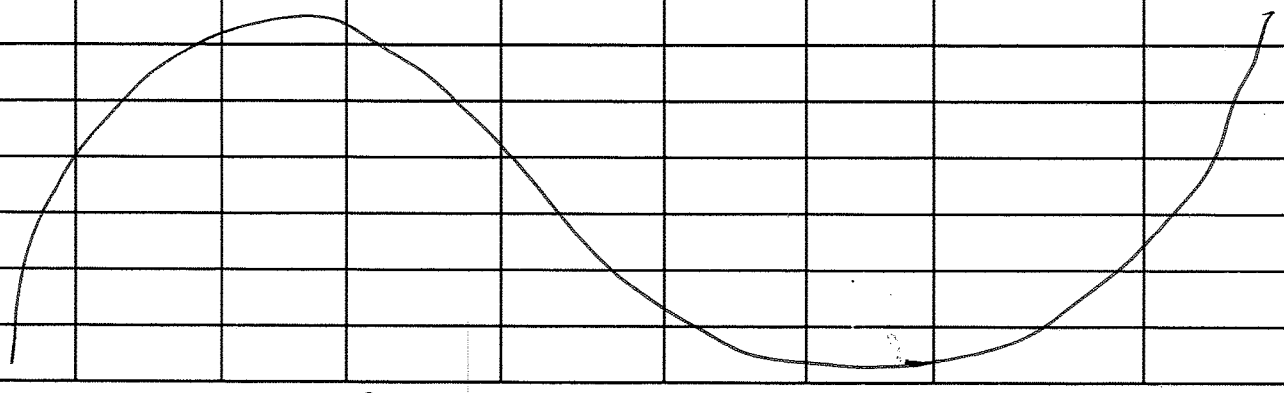
LOW FLOW WELL MONITORING DATA SHEET

Project #: 221011-cm1	Client: GHD
Sampler: cm	Gauging Date: 10/11/22
Well I.D.: MW-9	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 14.54	Depth to Water (ft.): 6.74
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 0907 Flow Rate: 100 mL/min Pump Depth: 10.75 ft

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0910	17.59	6.35	0.821	27	1.92	140.5	300	7.68
0913	17.77	6.23	0.824	23	1.05	138.5	600	8.03
0916	17.90	6.20	0.827	21	0.93	135.5	900	8.50
0919	17.97	6.18	0.830	20	0.90	129.9	1200	8.98
0922	17.98	6.15	0.830	20	0.88	128.0	1500	9.44



Did well dewater? Yes (No) Amount actually evacuated: 1500 mL

Sampling Time: 0925 Sampling Date: 10/11/22

Sample I.D.: GW-1121854S-101122-cm-mw9 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 221011-cm1	Client: GHD
Sampler: Cm	Gauging Date: 10/11/22
Well I.D.: mw-10	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 11.60	Depth to Water (ft.): 8.52
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 0943 Flow Rate: 100 mL/min Pump Depth: 10ft

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
0946	18.43	6.27	0.743	37	0.59	103.7	300	9.40
—	—	water	drawing	down	to	fast	—	—
—	—	—	Sample	taken	—	—	—	—

Did well dewater? Yes (No) Amount actually evacuated: 300 mL

Sampling Time: 0949 Sampling Date: 10/11/22

Sample I.D.: GW-11218545-101122-cm-mw10 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

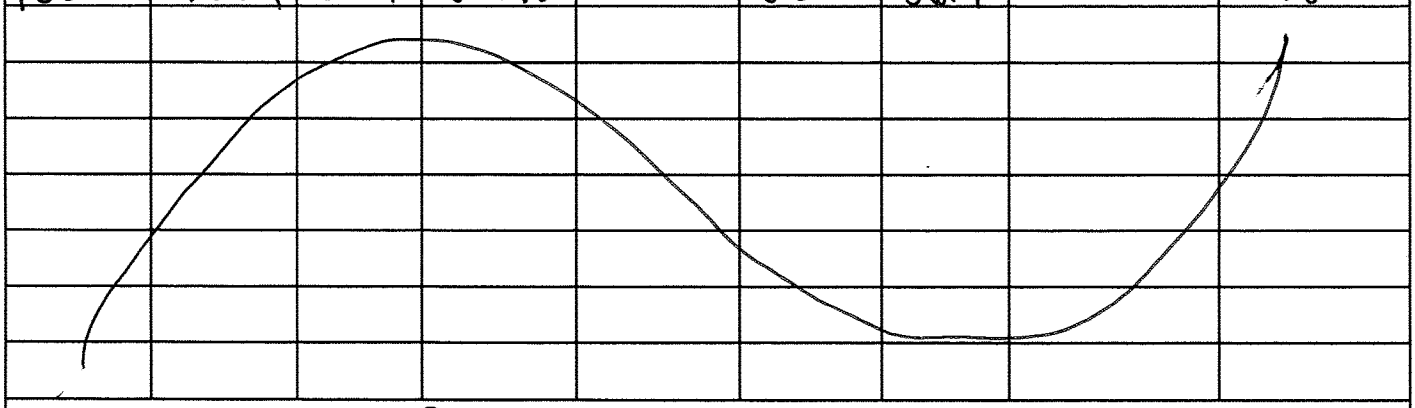
LOW FLOW WELL MONITORING DATA SHEET

Project #: 221011-cm1	Client: GHD
Sampler: cm	Gauging Date: 10/11/22
Well I.D.: MW-11	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 9.23	Depth to Water (ft.): 6.97
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump | (Peristaltic Pump) | Bladder Pump
Sampling Method: (Dedicated Tubing) | ~~New Tubing~~ | Other ____

Start Purge Time: 10:41 Flow Rate: ~~200~~ 100 mL/min Pump Depth: 8.1 ft

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
10:43	17.34	6.03	0.969	22	0.51	55.5	300	7.55
1046	18.02	6.09	0.988	20	0.40	49.6	600	7.60
1049	18.28	6.07	0.984	20	0.34	44.6	900	7.67
1052	18.30	6.05	0.979	19	0.33	40.6	1200	7.73
1055	18.29	6.04	0.978	19	0.32	36.7	1500	7.78



Did well dewater? Yes (No) Amount actually evacuated: 1500 mL

Sampling Time: 1058 Sampling Date: 10/11/22

Sample I.D.: GW-1121854S-101122-cm-mw-11 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

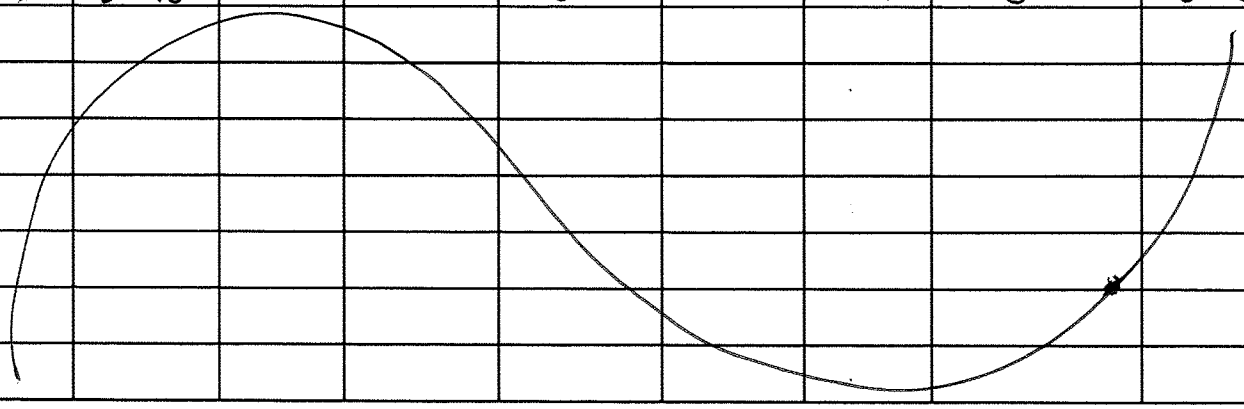
LOW FLOW WELL MONITORING DATA SHEET

Project #: 221011-cm1	Client: GHD
Sampler: cm	Gauging Date: 10/11/22
Well I.D.: MW-12	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 15.14	Depth to Water (ft.): 6.08
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1326 Flow Rate: 200 mL/min Pump Depth: 10.5 ft

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1329	19.94	7.33	0.746	7	1.18	3.9	600	6.46
1332	20.00	7.35	0.734	7	0.50	3.2	1200	6.58
1335	20.09	7.62	0.728	7	0.39	-0.3	1800	6.72
1338	20.11	7.58	0.727	6	0.41	-4.9	2400	6.83
1341	20.15	7.55	0.725	6	0.40	-6.2	3000	6.93



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1344 Sampling Date: 10/11/22

Sample I.D.: GW-1121854S-101122-cm-mw-12 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 221011-cm1	Client: GHD
Sampler: cm	Gauging Date: 10/11/22
Well I.D.: MW-13	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 14.75	Depth to Water (ft.): 6.84
Depth to Free Product: –	Thickness of Free Product (feet): –
Referenced to: (PVC) Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1358 Flow Rate: 200 mL/min Pump Depth: 10.8 ft

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1401	21.09	7.55	0.544	11	0.37	-1.4	600	6.90
1404	21.58	7.09	0.552	10	0.27	-5.6	1200	6.98
1407	21.76	7.17	0.557	10	0.25	-9.6	1800	7.05
1410	21.81	7.15	0.559	10	0.24	-14.1	2400	7.11
1413	21.85	7.14	0.559	9	0.23	-18.4	3000	7.16

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1416 Sampling Date: 10/11/22

Sample I.D.: GW-11218545-101122-cm-mw-13 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 221011-cm1	Client: GHD
Sampler: Cm	Gauging Date: 10/11/22
Well I.D.: mw-14	Well Diameter (in.): 2 3 4 6 8 ____
Total Well Depth (ft.):	Depth to Water (ft.):
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type:

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ____

Start Purge Time: ____ Flow Rate: ____ Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
—	—	unable to	locate, Concrete				pad/	
		storage unit		over well				
—	—	No	Sample		taken		—	

Did well dewater? Yes No Amount actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Equipment Blank I.D.: @ Time Duplicate I.D.:

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

Please Check Appropriate Box:		
☐ SGW FDG	☐ PIPELINE	☑ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☐ OTHER	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Kinga Kozlowska		DATE: 10/11/22
PO #	**GSAP Project ID**	PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services | LOG CODE: BTSS

SITE ADDRESS: Street and City: 1349 NW State St., Chehalis | State: WA | GHD Project / Task Number: 11218545

ADDRESS: 1680 Rogers Ave., San Jose, CA

EDF DELIVERABLE TO (Name, Company, Office Location): Kinga Kozlowska, GHD, Seattle | PHONE NO.: 425-444-4842 | E-MAIL: kinga.kozlowska@ghd.com | AECOM Other ID

PROJECT CONTACT (Hardcopy or PDF Report to): Kinga Kozlowska

TELEPHONE: 425-444-4842 | FAX: | Bill To Contact E-MAIL: kinga.kozlowska@ghd.com

SAMPLER NAME(S) (Print): Christina Mroz

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

UNIT COST: LAB-55 BTEX; St LAB-123 - WA NW Dx Water; LAB-35 MTBE; LAB-36 TBA; LAB-36 TBA; LAB-37 DIPE; LAB-38 TAME; LAB-39 ETBE; TPH-D

NON-UNIT COST: WA - NWTPH-Gx; Total Lead; Dissolved Lead (Field Filtered); EDB (8011); EDC

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX	St LAB-123	MTBE	TBA	TBA	DIPE	TAME	ETBE	TPH-D	WA - NWTPH-Gx	Total Lead	Dissolved Lead (Field Filtered)	EDB (8011)	EDC
	GW-11218545-101122-cm-mw-2	10/11/22	1208	GW	X	X				10	X	X	X						X	X	X	X	X	X
	GW-11218545-101122-cm-mw-3		1029		X	X				10	X	X	X						X	X	X	X	X	X
	GW-11218545-101122-cm-mw-4		1311		X	X				10	X	X	X						X	X	X	X	X	X
	GW-11218545-101122-cm-mw5		1446		X	X				10	X	X	X						X	X	X	X	X	X
	GW-11218545-101122-cm-mw-6		1242		X	X				10	X	X	X						X	X	X	X	X	X
	GW-11218545-101122-cm-mw-7		1130		X	X				10	X	X	X						X	X	X	X	X	X
	GW-11218545-101122-cm-mw-8		1518		X	X				10	X	X	X						X	X	X	X	X	X
	GW-11218545-101122-cm-mw-9		0925		X	X				10	X	X	X						X	X	X	X	X	X
	GW-11218545-101122-cm-mw10		0949		X	X				10	X	X	X						X	X	X	X	X	X
	GW-11218545-101122-cm-mw-11		1058		X	X				10	X	X	X						X	X	X	X	X	X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 14Dec15

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

Please Check Appropriate Box:		
☐ SGW FDG	☐ PIPELINE	☑ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☐ OTHER _____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Kinga Kozlowska		DATE: 10/11/22
PO #	**GSAP Project ID**	PAGE: 2 of 2

SAMPLING COMPANY: Blaine Tech Services
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ADDRESS: 1680 Rogers Ave., San Jose, CA
PROJECT CONTACT (Hardcopy or PDF Report to): Kinga Kozlowska
TELEPHONE: 425-444-4842
FAX:
Bill To Contact E-MAIL: kinga.kozlowska@ghd.com

SITE ADDRESS: Street and City: 1349 NW State St., Chehalis
State: WA
GHD Project / Task Number: 11218545
EDF DELIVERABLE TO (Name, Company, Office Location): Kinga Kozlowska, GHD, Seattle
PHONE NO.: 425-444-4842
E-MAIL: kinga.kozlowska@ghd.com
AECOM Other ID:
SAMPLER NAME(S) (Print): Christina Mroz
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	UNIT COST: LAB-65 BTEX	St LAB-123 - WA NW Dx Water	LAB-35 MTBE	LAB-36 TBA	LAB-36 TBA	LAB-37 DIPE	LAB-38 TAME	LAB-39 ETBE	TPH-D	NON-UNIT COST: WA - NWTPH-Gx	Total Lead	Dissolved Lead (Field Filtered)	EDB (8011)	EDC
	GW-11218545-101122-cm-mw-12	10/11/22	1344	GW	X	X				10	X	X	X						X	X	X	X	X	X
	GW-11218545-101122-cm-mw-13	↓	1416	↓	X	X				10	X	X	X						X	X	X	X	X	X
	GW-11218545-101122-cm-TB-1	↓	0800	↓	X	X				2	X		X							X			X	X

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 14Dec15

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 221011-cm1

ADDRESS 1349 NW State St Chehalis

DATE: 10/11/22

CITY & STATE Chehalis, WA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size						Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-2	Standpipe	Flush	G	P	Size (inch) 4		Y	N	G	R	G	R	NL	G	P	3/3 bolts missing	Y	N	
MW-3	Standpipe	Flush	G	P	Size (inch) 4		Y	N	G	R	G	R	NL	G	P	2/3 bolts missing	Y	N	
MW-4	Standpipe	Flush	G	P	Size (inch) 4		Y	N	G	R	G	R	NL	G	P	3/3 bolts missing	Y	N	
MW-5	Standpipe	Flush	G	P	Size (inch) 4		Y	N	G	R	G	R	NL	G	P	3/3 bolts missing	Y	N	
MW-6	Standpipe	Flush	G	P	Size (inch) 4		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-7	Standpipe	Flush	G	P	Size (inch) 4		Y	N	G	R	G	R	NL	G	P	2/3 bolts missing	Y	N	
MW-8	Standpipe	Flush	G	P	Size (inch) 4		Y	N	G	R	G	R	NL	G	P	3/3 bolts missing	Y	N	
MW-9	Standpipe	Flush	G	P	Size (inch) 2		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-10	Standpipe	Flush	G	P	Size (inch) 2		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-11	Standpipe	Flush	G	P	Size (inch) 2		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-12	Standpipe	Flush	G	P	Size (inch) 2		Y	N	G	R	G	R	NL	G	P		Y	N	
TOTAL # CAPS REPLACED = 0											0 = TOTAL # OF LOCKS REPLACED								

Condition of Soil Boring Patches or Abandoned Monitoring Wells	G	P	N/A	If POOR, Borings/Well IDs or Location Description	Y	N	

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA		G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
	Y	N	N/A	Y	N	N/A	G	P	N/A	Y	N	Y	N	N/A		Y	N	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Print or type Name of Field Personnel & Consultant Company

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 221011-cm1

ADDRESS 1349 NW State St Chehalis

DATE: 10/11/22

CITY & STATE Chehalis, WA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-13	Standpipe	Flush	G	P	Size (inch) 2	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-14	~~Standpipe~~	~~Flush~~	~~G~~	~~P~~	~~Size (inch) 2~~	~~Y~~	~~N~~	~~G~~	~~R~~	~~G~~	~~R~~	~~NL~~	~~G~~	~~P~~	unable to locate	Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
TOTAL # CAPS REPLACED =								0			0		= TOTAL # OF LOCKS REPLACED					

Condition of Soil Boring Patches or Abandoned Monitoring Wells	G	P	N/A	If POOR, Borings/Well IDs or Location Description		Y	N	

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA		G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible		Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
	Y	N	N/A	Y	N	N/A	G	P	N/A	Y	N	Y	N	N/A		Y	N	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Print or type Name of Field Personnel & Consultant Company

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 1349 NW State St Chehalis				PROJECT NUMBER 221011-cm 1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI-556	02G0203	10/11/22 0630	PH 7 10	4.04 7.06 9.94	✓	20.0	cm
			DO 100 ORP 237.5 cond 3900	99.8 237.9 3901	✓	20.0	cm

SHELL BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT SHELL FACILITIES IN THE STATE OF WASHINGTON OR OREGON. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS, IS MADE UP INTO LOADS OF APPROPRIATE SIZE TO BE TRANSPORTED & PROCESSED BY A SHELL APPROVED WASTE HAULER.

The contractor performing this work is BLAINE TECH SERVICES, INC. 215 CLAY ST NW, SUITE B-1, AUBURN, WA 98001.
Blaine Tech Services, Inc. is authorized by SHELL OIL COMPANY (SHELL) to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purgewater that is drawn from wells at the SHELL facility indicated below and to deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Shell facility to BTS; from one Shell facility to BTS via another Shell facility; or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of SHELL.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the SHELL facility described below:

94995009	John Robbins
INCIDENT #	Shell Engineer

1349	NW	State	Street	Chehalis	WA
street number		street name		city	state

WELL I.D.	GALS.	WELL I.D.	GALS.
mw-2	1	mw-10	0.1
mw-3	1	mw-11	0.5
mw-4	1	mw-12	1
mw-5	1	mw-13	1
mw-6	1		
mw-7	1		
mw-8	1		
mw-9	0.5		

added equip. rinse water / 0.25

any other adjustments /

TOTAL GALS. RECOVERED 10.35

loaded onto BTS vehicle # 90

BTS event # 2210-cm-1 time 1540 date 10/11/22

signature

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RECEIVED AT BTS Kent time 1710 date 10/11/22

unloaded by signature

	GHD Shell SGW (US) Daily Tailgate Meeting & Job Clearance Form	Issue: 1/2/2011 Revision 11: October 2016 Do NOT pre-populate any field.

Job Location:	1349 NW State St Chehalis	Date:	10/11/22
GHD Site Supervisor:	Christina Mroz	GHD PM:	Kinga Kozlowska

List activities to be performed today:	
Permitted Activities (specific permit to be competed):	☒ Not Applicable ☐ Confined Space Entry ☐ Excavation/Trenching ☐ Hot Work ☐ Hoisting/Rigging (any lifting with equipment, excluding drill rigs) ☐ Natural Gas System Maintenance

The above Permit-required activities require onsite GHD supervision unless approved by Regional Operations

Muster Point:	GCR Tires	Spill Kit Location:	In Van
First Aid Kit Location:	In van	Fire Extinguisher Location:	In Van
Emergency cut-off switches:	FFont of store	Designated cell phone use area(s):	Passanger seat

Has the Site Manager/Owner been notified of the work activities and/or participated in a pre-work site walk?	☒ Yes ☐ No ☐ N/A
Is a fuel delivery scheduled for today? If yes, plan to Stop Work during fuel delivery.	☐ Yes ☒ No ☐ N/A
Has a site walk been performed to identify additional hazards?	☒ Yes ☐ No*
Have all personnel reviewed and understand the site specific HASP?	☒ Yes ☐ No*
Does each activity have a Job Safety Analysis (JSA)?	☒ Yes ☐ No*
Does each subcontractor have JSAs for their activities?	☒ Yes ☐ No* ☐ N/A
Have JSAs been reviewed by the work team and newly identified hazards been added to the JSA?	☒ Yes ☐ No*
Per our lone worker procedure, is each employee either accompanied by or in communications with another?	☐ Yes ☐ No* ☒ N/A
Has a Safe Lift Plan been completed and reviewed/approved by a GHD Subject Matter Expert?	☐ Yes ☐ No* X N/A
Have all members of the work team confirmed understanding of the work, hazards, and controls/ mitigation?	☒ Yes ☐ No*
Has each person on the work team discussed all hazards and mitigation measures associated with any task which will require their feet to leave the ground?	☒ Yes ☐ No* ☐ N/A
Have work areas been properly cordoned-off to protect workers, site staff, and the public?	☒ Yes ☐ No* ☐ N/A
Have equipment checks been completed, documented, and reviewed?	☒ Yes ☐ No* ☐ N/A
Have there been any equipment modifications made by subcontractor(s)? Is yes, discuss modifications.	☒ Yes ☐ No ☐ N/A
Do all members of the work team have API Safety Keys (GHD excluded)?	☒ Yes ☐ No* ☐ N/A
Do all members of the work team have a Shell "Life Saving Rules" Training card?	☒ Yes ☐ No*
Do all site workers understand injury/ intervention reporting requirements including immediately notifying the GHD Site Supervisor of any injury, near miss, unsafe condition, hazard observation, or release?	☒ Yes ☐ No*
If permits are required, have they been reviewed and permit conditions understood by the Team?	☒ Yes ☐ No* ☐ N/A
If drilling, did driller physically point out all pinch points to entire team (GHD and all subs)?	☐ Yes ☐ No* ☒ N/A
If drilling, has the driller & crew agreed the audible and visible signals for "all clear" prior to engaging controls?	☐ Yes ☐ No* ☒ N/A

** If No, then work cannot be performed until corrective action is completed and documented.*

Title of GHD JSAs reviewed today:	Ground water Sampling	Title of Subcontractor's JSAs reviewed today:	Groundwater Sampling

All personnel are wearing (regardless of activity):	☒ Hard Hat ☒ Safety Glasses ☒ Safety Vest ☒ Steel-Toed Boots ☒ Gloves (appropriate for task) See JSA for additional task specific PPE requirements.

Stop Work Authority & Obligation

* All employees will stop the job any time anyone is concerned or uncertain about safety.
* All employees will stop the job if anyone identifies a hazard or additional mitigation not recorded on the JSA.
* All employees will be alerted to any changes in personnel or conditions at the worksite.
* All employees will stop the job and reassess a task, hazards, and mitigations, and then amend the JSA as needed.

Other Items Discussed Today:

Circle the Life Saving Rule Icons that are applicable to the work/activities that will take place today:

BYPASSING SAFETY CONTROLS | CONFINED SPACE | DRIVING | ENERGY ISOLATION | HOT WORK | LINE OF FIRE | SAFE MECHANICAL LIFTS | WORK AUTHORIZATION | WORKING AT HEIGHTS

	GHD Shell SGW (US) Daily Tailgate Meeting & Job Clearance Form	Issue: January 2, 2011 Revision 11: October 2016 Do NOT pre-populate any field.

SITE WORKERS (including GHD Contractors and Subcontractors): By signing here, you are stating the following:

* You understand that compliance with Shell's Life Saving Rules is mandatory and that failing to follow to them may result in termination.
* You have been involved in reviewing the JSAs and understand the hazards and control measures associated with each task you are about to perform.
* You understand the permit to work requirements applicable to the work you are about to perform (if it includes permitted activities).
* You understand the Shell Life Saving Rules and are aware that tasks or work that is not risk-assessed shall not be performed.
* You are aware of your authority and obligation to 'Stop Work'.

I arrived and departed fit for duty:

* You are physically and mentally fit for duty,
* You are not under the influence of any type of medication, drugs, or alcohol that could affect your ability to work safely.
* You are aware of your responsibility to immediately report any illness, injury (regardless of where or when it occurred), or fatigue issue you may have to the GHD Site Supervisor.
* You will sign-out uninjured unless you have otherwise informed the GHD Site Supervisor.

Print Name & Company	Signature	Initials & Sign In Time	Initials & Sign Out Time
Christina Mroz/BTS		CM In & Fit 0755	CM Out & Fit 1546
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit

(Attach additional Site Worker sign-in/out sheets if needed)

PERSONAL SAFETY COMMITMENT (Attach additional Personal Safety Commitment sheets, if needed)

Print Name	"I will personally commit to do the following to positively improve site safety today":
Christina Mroz	I will wear all my PPE

SITE VISITORS (attach additional Site Visitor sign-in/out sheets if needed)

Print Name	Company Name	Arrival Time	Departure Time	Signature

SITE REPRESENTATIVE Sign In/Out (operating sites only, and signature must be requested. If the operator refuses to sign, note this on the Form)

Sign In: *I have discussed this Job Clearance Form with the contractor*		Sign Out: *I have discussed this Job Clearance Form with the contractor*	
Site Representative Name	Site Representative Signature	Site Representative Name	Site Representative Signature
Autumn		Cathy	Cathy Thomas

TWILIGHT TOOL BOX TALK (Complete the following once field activities for the day have been concluded):

Were there any Incidents, Near Misses, Potential Incidents, or Positive Interventions today?	☐ Yes ☒ No	If yes, provide details:
Were there any 'Stop Work' interventions?	☐ Yes ☒ No	If yes, provide details:
Were there any areas for improvement noted?	☐ Yes ☒ No	If yes, provide details:
Is the Site Manager/Owner happy with the way you left the site (including the location of waste drums and/or equipment)?	☒ Yes ☐ No	If no, provide details:
I certify that the above information is true and the job site is being left in a safe condition	☒ Yes ☐ No	GHD Site Supervisor Signature:

WELL GAUGING DATA

Project # 230920-F01 Date 09/20/23 Client GHD

Site 1349 NW State St - Chehalis

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
MW-2	0922	4	—	—	—	—	10.10	27.95		
MW-3	0935	4	—	—	—	—	9.42	28.15		
MW-4	0915	4	Odor	—	—	—	8.43	19.98		
MW-5	0905	4	—	—	—	—	7.71	19.91		
MW-6	0919	4	—	—	—	—	7.85	20.14		
MW-7	0925	4	—	—	—	—	10.93	20.10		
MW-8	0929	4	—	—	—	—	8.58	19.80		
MW-9	0940	2	—	—	—	—	6.91	14.55		
MW-10	0933	2	—	—	—	—	9.00	11.58		
MW-11	0938	2	—	—	—	—	6.97	9.22		
MW-12	0912	2	—	—	—	—	7.42	15.15		
MW-13	0901	2	Odor	—	—	—	8.35	14.74		
MW-14	0907	—	—	Unable	to access	—	—	—		

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230920-FD1	Client: GHD
Sampler: FD	Gauging Date: 09/20/23
Well I.D.: MW-2	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 27.95	Depth to Water (ft.): 10.10
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1250 Flow Rate: 200mL/min Pump Depth: 18.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1253	19.19	6.06	0.540	48	1.01	-25.5	600	10.12
1256	19.47	6.05	0.543	39	1.04	-27.3	1200	10.12
1259	19.59	6.05	0.542	40	0.92	-28.1	1800	10.12
1302	19.63	6.05	0.543	40	0.94	-28.4	2400	10.12
1305	19.67	6.05	0.542	39	0.94	-29.6	3000	10.12

Did well dewater? Yes (No) Amount actually evacuated: 3000mL

Sampling Time: 1306 Sampling Date: 09/20/23

Sample I.D.: GW-1121854S-092023-FD-MW-2 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other) SEE COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230920- FD1	Client: GHD
Sampler: FD	Gauging Date: 09/20/23
Well I.D.: MW-3	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 28.15	Depth to Water (ft.): 9.42
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: ~~Dedicated Tubing~~ New Tubing Other ___

Start Purge Time: 1324 Flow Rate: 200 mL/min Pump Depth: 19'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1327	17.37	6.27	0.656	21	1.13	-22.6	600	9.45
1330	17.69	6.24	0.652	18	1.09	-27.7	1200	9.48
1333	17.50	6.25	0.651	13	1.02	-31.5	1800	9.49
1336	17.54	6.25	0.652	13	1.00	-32.0	2400	9.50
1339	17.51	6.24	0.652	14	1.01	-33.9	3000	9.50

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1340 Sampling Date: 09/20/23

Sample I.D.: GW-1218545-092023-FD-MW-3 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) SEE COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230920-FD1	Client: GHD
Sampler: FD	Gauging Date: 09/20/23
Well I.D.: MW-4	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 19.98	Depth to Water (ft.): 8.43
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
Sampling Method: ~~Dedicated Tubing~~ New Tubing Other ___

Start Purge Time: 1009 Flow Rate: 200mL/min Pump Depth: 14'

Time	Temp. (°C or °F)	pH	Cond. (~~mS/cm~~ or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1012	17.68	5.96	0.702	22	0.24	-11.2	600	8.45
1015	17.65	5.94	0.701	17	0.17	-11.8	1200	8.45
1018	17.73	5.94	0.700	15	0.09	-15.7	1800	8.46
1021	17.79	5.94	0.698	15	0.09	-16.3	2400	8.46
1024	17.84	5.94	0.697	14	0.10	-18.5	3000	8.46

Did well dewater? Yes (No) Amount actually evacuated: 3000mL

Sampling Time: 1025 Sampling Date: 09/20/23

Sample I.D.: GW-1121854S-092023-FD-MW-4 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) SEE COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230920-FD1	Client: GHD
Sampler: FD	Gauging Date: 09/20/23
Well I.D.: MW-5	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 19.91	Depth to Water (ft.): 7.71
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
Sampling Method: ~~Dedicated Tubing~~ New Tubing Other ___

Start Purge Time: 1126 Flow Rate: 200mL/min Pump Depth: 13'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1129	20.21	5.99	0.765	27	0.94	-24.6	600	7.73
1132	20.32	5.99	0.764	22	0.89	-25.7	1200	7.74
1135	20.34	5.99	0.765	19	0.84	-30.8	1800	7.76
1138	20.38	5.99	0.764	19	0.83	-31.1	2400	7.76
1141	20.36	5.99	0.764	20	0.81	-31.5	3000	7.77

Did well dewater? Yes (No) Amount actually evacuated: 3000mL

Sampling Time: 1142 Sampling Date: 09/20/23

Sample I.D.: GW-1121854S-092023-FD-MW-5 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) SEE COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230920-FD1	Client: GHD
Sampler: FD	Gauging Date: 09/20/23
Well I.D.: MW-6	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 20.14	Depth to Water (ft.): 7.85
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: ~~Dedicated Tubing~~ New Tubing Other ____

Start Purge Time: 0946 Flow Rate: 200 mL/min Pump Depth: 14'

Time	Temp. (°C or °F)	pH	Cond. (~~mS/cm~~ or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ~~mL~~)	Depth to Water (ft.)
0949	19.72	6.07	0.733	41	0.22	-15.3	600	7.89
0952	19.79	6.05	0.729	36	0.15	-16.1	1200	7.92
0955	19.98	6.06	0.728	32	0.11	-24.2	1800	7.93
0958	20.02	6.06	0.728	31	0.11	-25.7	2400	7.93
1001	20.07	6.06	0.727	30	0.10	-27.3	3000	7.93

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1002 Sampling Date: 09/20/23

Sample I.D.: GW-11218545-092023-FD-MW-6 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: SEE COC)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230920-FD1	Client: GHD
Sampler: FD	Gauging Date: 09/20/23
Well I.D.: MW-7	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 20.10	Depth to Water (ft.): 10.93
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1412 Flow Rate: 200mL/min Pump Depth: 15'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (ml))	Depth to Water (ft.)
1415	18.51	6.13	0.940	67	1.39	-28.3	600	10.96
1418	17.97	6.16	0.939	52	1.20	-45.2	1200	10.98
1421	18.05	6.16	0.939	48	1.12	-47.4	1800	10.98
1424	18.05	6.17	0.939	47	1.10	-48.7	2400	10.98
1427	18.01	6.17	0.938	45	1.10	-50.2	3000	10.98

Did well dewater? Yes (No) Amount actually evacuated: 3000mL

Sampling Time: 1428 Sampling Date: 09/20/23

Sample I.D.: GW-1121 8545-092023-FD-MW-7 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other) SEE COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230920-F01	Client: GHD
Sampler: FD	Gauging Date: 09/20/23
Well I.D.: MW-8	Well Diameter (in.): (2) 3 (4) 6 8 ____
Total Well Depth (ft.): 19.80	Depth to Water (ft.): 8.58
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other____

Start Purge Time: 1223 Flow Rate: 200 mL/min Pump Depth: 141

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1226	18.98	6.13	0.854	26	1.18	-45.1	600	8.62
1229	18.94	6.13	0.854	14	1.07	-53.7	1200	8.64
1232	19.01	6.13	0.855	11	1.01	-60.2	1800	8.66
1235	19.07	6.13	0.854	10	0.98	-61.6	2400	8.67
1238	19.10	6.13	0.855	10	0.97	-62.4	3000	8.67

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1239 Sampling Date: 09/20/23

Sample I.D.: GW-1218545-092023-FD-MW-8 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: SEE COC)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230920-FD1	Client: GHD
Sampler: FD	Gauging Date: 09/20/23
Well I.D.: MW-9	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 14.55	Depth to Water (ft.): 6.91
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) ~~New Tubing~~ Other ____

Start Purge Time: 1443 Flow Rate: 200mL/min Pump Depth: 10'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1446	19.33	5.98	0.965	63	1.04	-26.5	600	6.95
1449	19.39	5.98	0.966	52	0.87	-28.4	1200	6.98
1452	19.55	5.99	0.966	55	0.71	-30.9	1800	7.00
1455	19.56	5.99	0.966	51	0.69	-32.7	2400	7.00
1458	19.56	5.98	0.966	50	0.69	-31.9	3000	7.00

Did well dewater? Yes (No) Amount actually evacuated: 3000mL

Sampling Time: 1459 Sampling Date: 09/20/23

Sample I.D.: GW-11218545-092023-FD-MW-9 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SEE COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230920-FD1	Client: GHD
Sampler: FD	Gauging Date: 09/20/23
Well I.D.: MW-10	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 11.58	Depth to Water (ft.): ~~11.58~~ FD 9.00
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1157 Flow Rate: 100mL/min Pump Depth: 10'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1200	19.87	6.19	0.878	31	1.02	-52.1	300	9.06
1203	19.91	6.17	0.879	25	0.97	-53.8	600	9.14
1206	19.97	6.18	0.878	22	0.91	-55.5	900	9.25
1209	19.97	6.19	0.878	22	0.91	-57.2	1200	9.25
1212	20.03	6.20	0.878	23	0.89	-58.8	1500	9.27

Did well dewater? Yes (No) Amount actually evacuated: 1500mL

Sampling Time: 1213 Sampling Date: 09/20/23

Sample I.D.: GW-11218545-092023-FD-MW10 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) SEE COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230920-FD1	Client: GHD
Sampler: FD	Gauging Date: 09/20/23
Well I.D.: MW-11	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 9.22	Depth to Water (ft.): 6.97
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: ~~Dedicated Tubing~~ New Tubing Other____

Start Purge Time: 1511 Flow Rate: 100mL/min Pump Depth: 8'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1514	19.82	6.05	0.769	60	1.16	-7.5	300	7.07
1517	19.79	6.02	0.767	44	1.00	-8.8	600	7.21
1520	20.41	6.00	0.773	31	0.90	-9.7	900	7.25
1523	20.45	6.00	0.773	29	0.88	-10.4	1200	7.26
1526	20.49	5.99	0.772	27	0.85	-12.1	1500	7.26

Did well dewater? Yes (No) Amount actually evacuated: 1500mL

Sampling Time: 1527 Sampling Date: 09/20/23

Sample I.D.: GW-1121 8545-092023-FD-MW-11 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other) SEE COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230920-FD1	Client: GHD
Sampler: FD	Gauging Date: 09/20/23
Well I.D.: MW-12	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 15.15	Depth to Water (ft.): 7.42
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1034 Flow Rate: 200 mL/min Pump Depth: 11'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1037	17.92	5.95	0.928	41	0.15	-2.7	600	7.45
1040	17.99	5.93	0.901	37	0.09	-8.1	1200	7.47
1043	18.53	5.91	0.825	35	0.12	-8.6	1800	7.47
1046	18.57	5.91	0.823	35	0.12	-9.2	2400	7.47
1049	18.61	5.90	0.822	36	0.11	-9.0	3000	7.47

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1050 Sampling Date: 09/20/23

Sample I.D.: GW-1121854S-092023-FD-MW-12 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other) SEE COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230920-FD1	Client: GHD
Sampler: FD	Gauging Date: 09/20/23
Well I.D.: MW-13	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 14.74	Depth to Water (ft.): 8.35
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1102 Flow Rate: 200mL/min Pump Depth: 11'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1105	18.63	6.00	0.665	21	0.83	-27.3	600	8.38
1108	18.98	5.99	0.662	15	0.74	-29.9	1200	8.39
1111	19.03	5.99	0.659	12	0.68	-30.4	1800	8.39
1114	19.05	6.00	0.659	11	0.66	-31.2	2400	8.39
1117	19.08	6.00	0.659	11	0.64	-33.4	3000	8.39

Did well dewater? Yes (No) Amount actually evacuated: 3000mL

Sampling Time: 1118 Sampling Date: 09/20/23

Sample I.D.: GW-1121B545-092023-FD-MW-13 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D (Other) SEE COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230920-FD1	Client: GHD
Sampler: FD	Gauging Date: 09/20/23
Well I.D.: MW-14	Well Diameter (in.): 2 3 4 6 8 ____
Total Well Depth (ft.):	Depth to Water (ft.):
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type:

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other____

Start Purge Time:____ Flow Rate: ____ Pump Depth:____

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
		- unable to access			—			
	- well blocked by storage container -							
	-	no	sample	taken	—			

Did well dewater? Yes No Amount actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Equipment Blank I.D.: @ Time Duplicate I.D.:

Eurofins Spokane
11922 E 1st Avenue

Spokane, WA 99206-5302
phone 509.924.9200 fax 509.924.9290

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Kinga Kozlowska	Site Contact:	Date:	COC No:
GHD	Email: kinga.kozlowska@ghd.com	Lab Contact:	Carrier:	1 of 2 COCs
9725 3rd Ave NE, Ste 204	Tel/Fax: (425) 444-4842			TALS Project #:
Seattle, WA 98115	Analysis Turnaround Time			Sampler:
(425) 444-4842 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Shell - State St, Chehalis	☐ 2 weeks			Lab Sampling:
Site: 1349 NW State St, Chehalis, WA	☐ 1 week			Job / SDG No.:
Job #: 11218545	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-Gx	BTEX, MTBE, EDC (8260)	NWTPH-Dx	TPH-O	EDB (8011)	Total Lead	Dissolved Lead (Field Filtered)	Sample Specific Notes:
GW-11218545-092023-FD-MW-2	09/20/23	1306	G	GW	10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-3		1340			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-4		1025			10	Y	N	X	X	X	X	X	X	Y	
GW-11218545-092023-FD-MW-5		1142			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-6		1002			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-7		1428			10	Y	N	X	X	X	X	X	X	+	
GW-11218545-092023-FD-MW-8		1239			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-9		1459			10	Y	N	X	X	X	X	X	X	Y	
GW-11218545-092023-FD-MW-10		1213			10	Y	N	X	X	X	X	X	X	Y	
GW-11218545-092023-FD-MW-11		1527			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-12		1050			10	Y	N	X	X	X	X	X	X	X	
GW-11218545-092023-FD-MW-13	↓	1113	↓	↓	10	Y	N	X	X	X	X	X	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by: Funda DeSantos	Company: BTS	Date/Time: 9/21/23 1130	Received by:	Company: BTS	Date/Time: 9/21/23 1130
Relinquished by:	Company: BTS	Date/Time: 9/21/23 1145	Received by:	Company: EETN	Date/Time: 9/21/23 1145
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins Spokane
11922 E 1st Avenue

Spokane, WA 99206-5302
phone 509.924.9200 fax 509.924.9290

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Kinga Kozlowska	Site Contact:	Date:	Eurofins Environment Testing America
GHD	Email: kinga.kozlowska@ghd.com	Lab Contact:	Carrier:	COC No:
9725 3rd Ave NE, Ste 204	Tel/Fax: (425) 444-4842			2 of 2 COCs
Seattle, WA 98115	Analysis Turnaround Time			TALS Project #:
(425) 444-4842 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			Sampler:
FAX	TAT if different from Below _____			For Lab Use Only:
Project Name: Shell - State St, Chehalis	☐ 2 weeks			Walk-in Client:
Site: 1349 NW State St, Chehalis, WA	☐ 1 week			Lab Sampling:
Job #: 11218545	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	NWTPH-Gx	BTEX, MTBE, EDC (8260)	NWTPH-Dx	TPH-O	EDB (8011)	Total Lead	Dissolved Lead (Field Filtered)	Sample Specific Notes:
GW-11218545-092023-FD-TB-1	09/20/23	1200	G	GW	2	N	N	X	X			X			

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by: Fonda DeSantos	Company: BTS	Date/Time:	Received by:	Company: ETN	Date/Time: 9/21/23	1145
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:	
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:	

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 94995009

ADDRESS 1349 NW STATE AVE

DATE: 09/20/23

CITY & STATE CHEHALIS, WA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-2	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-3	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-4	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-5	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-6	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-7	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-8	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-9	Standpipe	Flush	G	P	Size (inch) 2	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-10	Standpipe	Flush	G	P	Size (inch) 2	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-11	Standpipe	Flush	G	P	Size (inch) 2	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-12	Standpipe	Flush	G	P	Size (inch) 2	Y	N	G	R	G	R	NL	G	P		Y	N	

TOTAL # CAPS REPLACED = 0 | 0 = TOTAL # OF LOCKS REPLACED

Condition of Soil Boring Patches or Abandoned Monitoring Wells	G	P	N/A	If POOR, Borings/Well IDs or Location Description		Y	N	
			N/A					

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA		G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A	/	Y	N	/
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
0	Y	N	N/A	Y	N	N/A	G	P	N/A	Y	N	Y	N	N/A	/	Y	N	/

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

FONDA DESANTOS / BTS

Print or type Name of Field Personnel &/Consultant Company

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 94995009 ADDRESS 1349 NW STATE AVE

DATE: 09/20/23 CITY & STATE CHEHALIS, WA.

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-13	Standpipe	(Flush)	(G)	P	Size (inch) 2	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
MW-14	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P	-unable to access	Y	(N)	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	

TOTAL # CAPS REPLACED = (0) (0) = TOTAL # OF LOCKS REPLACED

Condition of Soil Boring Patches or Abandoned Monitoring Wells	G	P	(N/A)	If POOR, Borings/Well IDs or Location Description		Y	(N)	

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA		G	P	(N/A)	G	P	(N/A)	G	P	(N/A)	Y	N	(N/A)		Y	(N)	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
	Y	N	(N/A)	Y	N	(N/A)	G	P	(N/A)	Y	(N)	Y	N	(N/A)		Y	(N)	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Fonda Desantos / BTS

Print or type Name of Field Personnel & Consultant Company

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 1349 NW STATE ST - CHEHALIS, WA				PROJECT NUMBER 230920-FD1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
HANNA	07460003101	09/20/23 @0858	ph 4, 7, 10 cond 3900	3.96, 6.98, 10.00 3908	✓	22°	FD
			orp 237.5 DO 100%	235.8 97.3%	✓	22°	FD

SHELL BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT SHELL FACILITIES IN THE STATE OF WASHINGTON OR OREGON. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS, IS MADE UP INTO LOADS OF APPROPRIATE SIZE TO BE TRANSPORTED & PROCESSED BY A SHELL APPROVED WASTE HAULER.

The contractor performing this work is BLAINE TECH SERVICES, INC. 215 CLAY ST NW, SUITE B-1, AUBURN, WA 98001.
Blaine Tech Services, Inc. is authorized by SHELL OIL COMPANY (SHELL) to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purgewater that is drawn from wells at the SHELL facility indicated below and to deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Shell facility to BTS; from one Shell facility to BTS via another Shell facility; or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of SHELL.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the SHELL facility described below:

94995009 — INCIDENT #
Shell RMC — Shell Engineer

1349 NW STATE ST. — street number / street name
CHEHALIS, WA, — city / state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-2	1	MW-10	0.5
MW-3	1	MW-11	0.5
MW-4	1	MW-12	1
MW-5	1	MW-13	1
MW-6	1		
MW-7	1		
MW-8	1		
MW-9	1		

added equip. rinse water 0.5
any other adjustments

TOTAL GALS. RECOVERED 12.5
loaded onto BTS vehicle # 148

BTS event # 230920-FD1 — time — date 09/20/23
signature

****

RECEIVED AT BTS AUBURN — time — date 09/20/23
unloaded by signature

GHD Shell SGW (US)

Daily Tailgate Meeting & Job Clearance Form

Issue: 1/2/2011
Revision 11: October 2016
Do NOT pre-populate any field.

Job Location:	1349 NW STATE ST	Date:	07/20/23
GHD Site Supervisor:	Fonda Desantos	GHD PM:	Kinga Kozlowska

List activities to be performed today:	GW Samplins
Permitted Activities (specific permit to be competed):	☒ Not Applicable ☐ Confined Space Entry ☐ Excavation/Trenching ☐ Hot Work ☐ Hoisting/Rigging (any lifting with equipment, excluding drill rigs) ☐ Natural Gas System Maintenance

The above Permit-required activities require onsite GHD supervision unless approved by Regional Operations.

Muster Point:	Front of building	Spill Kit Location:	left side compartment
First Aid Kit Location:	right side compartment	Fire Extinguisher Location:	right side compartment
Emergency cut-off switches:	front of building N side	Designated cell phone use area(s):	inside truck

Has the Site Manager/Owner been notified of the work activities and/or participated in a pre-work site walk?	☑ Yes ☐ No ☐ N/A
Is a fuel delivery scheduled for today? If yes, plan to Stop Work during fuel delivery.	☐ Yes ☐ No ☐ N/A
Has a site walk been performed to identify additional hazards?	☑ Yes ☐ No*
Have all personnel reviewed and understand the site specific HASP?	☑ Yes ☐ No*
Does each activity have a Job Safety Analysis (JSA)?	☑ Yes ☐ No*
Does each subcontractor have JSAs for their activities?	☑ Yes ☐ No* ☐ N/A
Have JSAs been reviewed by the work team and newly identified hazards been added to the JSA?	☑ Yes ☐ No*
Per our lone worker procedure, is each employee either accompanied by or in communications with another?	☑ Yes ☐ No* ☐ N/A
Has a Safe Lift Plan been completed and reviewed/approved by a GHD Subject Matter Expert?	☑ Yes ☐ No* N/A
Have all members of the work team confirmed understanding of the work, hazards, and controls/ mitigation?	☑ Yes ☐ No*
Has each person on the work team discussed all hazards and mitigation measures associated with any task which will require their feet to leave the ground?	☑ Yes ☐ No* ☐ N/A
Have work areas been properly cordoned-off to protect workers, site staff, and the public?	☑ Yes ☐ No* ☐ N/A
Have equipment checks been completed, documented, and reviewed?	☑ Yes ☐ No* ☐ N/A
Have there been any equipment modifications made by subcontractor(s)? Is yes, discuss modifications.	☐ Yes ☐ No ☑ N/A
Do all members of the work team have API Safety Keys (GHD excluded)?	☐ Yes ☐ No* ☑ N/A
Do all members of the work team have a Shell "Life Saving Rules" Training card?	☑ Yes ☐ No*
Do all site workers understand injury/ intervention reporting requirements including immediately notifying the GHD Site Supervisor of any injury, near miss, unsafe condition, hazard observation, or release?	☑ Yes ☐ No*
If permits are required, have they been reviewed and permit conditions understood by the Team?	☐ Yes ☐ No* ☑ N/A
If drilling, did driller physically point out all pinch points to entire team (GHD and all subs)?	☐ Yes ☐ No* ☑ N/A
If drilling, has the driller & crew agreed the audible and visible signals for "all clear" prior to engaging controls?	☐ Yes ☐ No* ☑ N/A

** If No, then work cannot be performed until corrective action is completed and documented.*

Title of GHD JSAs reviewed today:	BTS GW Samplins	Title of Subcontractor's JSAs reviewed today:	NA

All personnel are wearing (regardless of activity):	☑ Hard Hat ☑ Safety Glasses ☑ Safety Vest ☑ Steel-Toed Boots ☐ Gloves (appropriate for task) See JSA for additional task specific PPE requirements.

Stop Work Authority & Obligation

* All employees will stop the job any time anyone is concerned or uncertain about safety.
* All employees will stop the job if anyone identifies a hazard or additional mitigation not recorded on the JSA.
* All employees will be alerted to any changes in personnel or conditions at the worksite.
* All employees will stop the job and reassess a task, hazards, and mitigations, and then amend the JSA as needed.

Other Items Discussed Today:

Circle the Life Saving Rule Icons that are applicable to the work/activities that will take place today:

BYPASSING SAFETY CONTROLS | CONFINED SPACE | DRIVING | ENERGY ISOLATION | HOT WORK | LINE OF FIRE | SAFE MECHANICAL LIFTS | WORK AUTHORIZATION | WORKING AT HEIGHTS

	GHD Shell SGW (US) Daily Tailgate Meeting & Job Clearance Form	Issue: January 2, 2011 Revision 11: October 2016 Do NOT pre-populate any field.

SITE WORKERS (including GHD Contractors and Subcontractors): By signing here, you are stating the following:

* You understand that compliance with Shell's Life Saving Rules is mandatory and that failing to follow to them may result in termination.
* You have been involved in reviewing the JSAs and understand the hazards and control measures associated with each task you are about to perform.
* You understand the permit to work requirements applicable to the work you are about to perform (if it includes permitted activities).
* You understand the Shell Life Saving Rules and are aware that tasks or work that is not risk-assessed shall not be performed.
* You are aware of your authority and obligation to 'Stop Work'.

I arrived and departed fit for duty:

* You are physically and mentally fit for duty,
* You are not under the influence of any type of medication, drugs, or alcohol that could affect your ability to work safely.
* You are aware of your responsibility to immediately report any illness, injury (regardless of where or when it occurred), or fatigue issue you may have to the GHD Site Supervisor.
* You will sign-out uninjured unless you have otherwise informed the GHD Site Supervisor.

Print Name & Company	Signature	Initials & Sign In Time	Initials & Sign Out Time
Fonda DeSantos / BTS	Fonda DeSantos	FD In & Fit 0855	FD Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit

(Attach additional Site Worker sign-in/out sheets if needed)

PERSONAL SAFETY COMMITMENT (Attach additional Personal Safety Commitment sheets, if needed)

Print Name	"I will personally commit to do the following to positively improve site safety today":
Fonda DeSantos	I will wear proper PPE.

SITE VISITORS (attach additional Site Visitor sign-in/out sheets if needed)

Print Name	Company Name	Arrival Time	Departure Time	Signature

SITE REPRESENTATIVE Sign In/Out (operating sites only, and signature must be requested. If the operator refuses to sign, note this on the Form)

Sign In: *I have discussed this Job Clearance Form with the contractor*		Sign Out: *I have discussed this Job Clearance Form with the contractor*	
Site Representative Name	**Site Representative Signature**	**Site Representative Name**	**Site Representative Signature**
MARK SHANNON	Mark Shannon	MARK SHANNON	Mark Shannon

TWILIGHT TOOL BOX TALK (Complete the following once field activities for the day have been concluded):

Were there any Incidents, Near Misses, Potential Incidents, or Positive Interventions today?	☐ Yes ☑ No	If yes, provide details:
Were there any 'Stop Work' interventions?	☐ Yes ☑ No	If yes, provide details:
Were there any areas for improvement noted?	☐ Yes ☑ No	If yes, provide details:
Is the Site Manager/Owner happy with the way you left the site (including the location of waste drums and/or equipment)?	☑ Yes ☐ No	If no, provide details:
I certify that the above information is true and the job site is being left in a safe condition	☑ Yes ☐ No	GHD Site Supervisor Signature: Fonda DeSantos

WELL GAUGING DATA

Project # 240909-ARI Date 9/9/24 Client GHD

Site 1349 NW State St, Chehalis, WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Water/ SPH Meter	PID (PPM)
MW-2	0925	4	-	-	-	-	9.59	27.95		0.0
MW-3	0915	4	-	-	-	-	8.62	28.15		0.0
MW-4	0922	4	-	-	-	-	7.86	20.01		0.0
MW-5	0913	4	-	-	-	-	6.91	19.96		0.0
MW-6	0923	4	Odor	-	-	-	6.70	20.11		0.0
MW-7	0923	4	odor	-	-	-	9.99	20.07		0.0
MW-8	0921	4	Odor	-	-	-	19.83	7.71		0.0
MW-9	0911	2	odor	-	-	-	6.54	14.53		0.0
MW-10	0918	2	-	-	-	-	8.04	11.6		0.0
MW-11	0910	2	-	-	-	-	6.61	9.25		0.0
MW-12	0919	2	-	-	-	-	6.31	15.13		0.0
MW-13	0916	2	-	-	-	-	7.50	14.77		0.0
MW-14	—	unable	to	locate	—	—	—	—	—	—

Instruments Used: Durham Geoslope Water Level Indicator* GeoTech Oil/Water Interface Probe** Other: _____

Survey Point - Top of casing at all wells

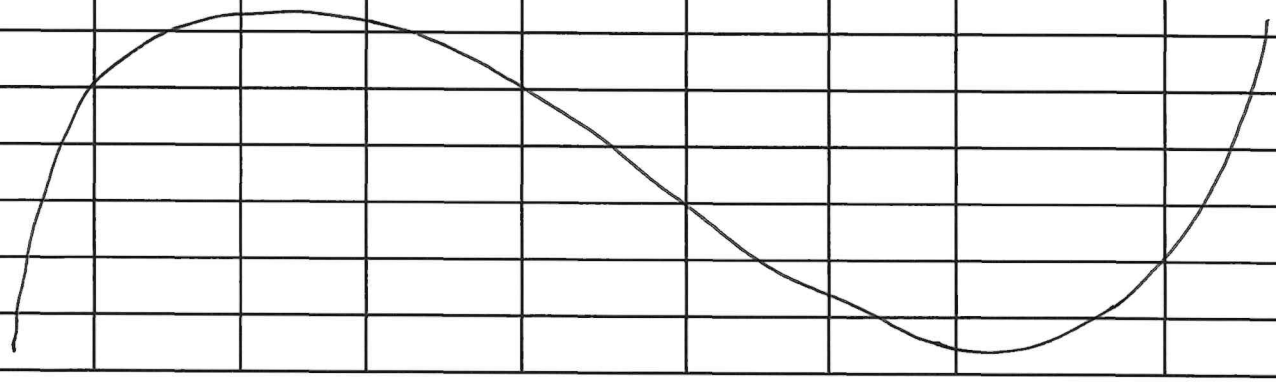
LOW FLOW WELL MONITORING DATA SHEET

Project #: 240909-AR1	Client: GHD
Sampler: AR	Gauging Date: 9/9/24
Well I.D.: MW-2	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 27.95	Depth to Water (ft.): 9.59
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: Hanna

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 0929 Flow Rate: 200 mL/min Pump Depth: 19'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)	PID
0932	18.50	6.24	404	36	1.04	107.8	600	9.64	0.0
0935	18.55	6.18	407	32	0.70	86.9	1200	9.67	0.0
0938	18.53	6.19	406	30	0.54	80.8	1800	9.67	0.0
0941	18.56	6.18	407	29	0.50	78.9	2400	9.65	0.0
0944	18.61	6.17	407	29	0.49	75.3	3000	9.65	0.0



Did well dewater? Yes (No) Amount actually evacuated: 3000

Sampling Time: 0945 Sampling Date: 9/9/24

Sample I.D.: GW-1263121G-090924-AR-MW-2 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: GW-1263121G-090924-AR-DUP

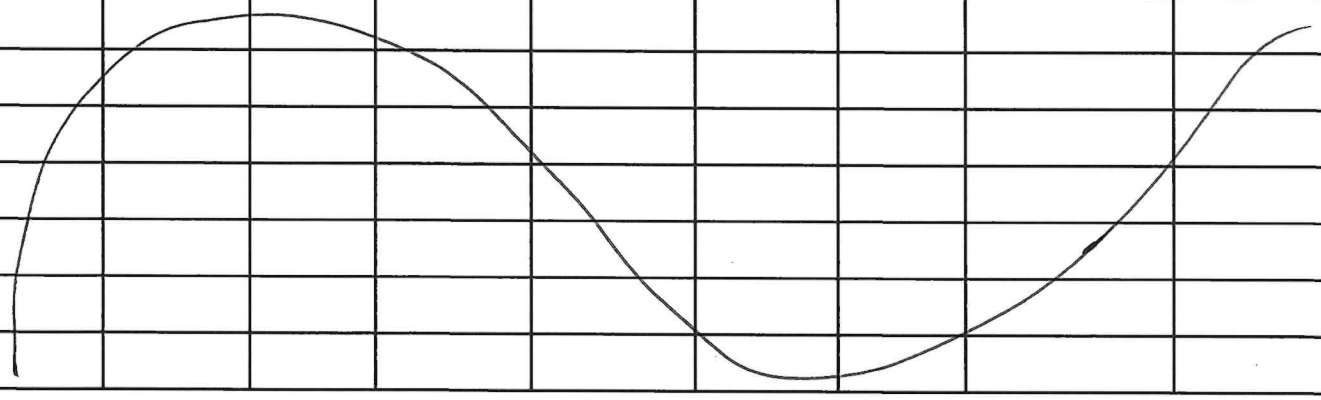
LOW FLOW WELL MONITORING DATA SHEET

Project #: 240909-AR1	Client: GHD
Sampler: AR	Gauging Date: 9/9/24
Well I.D.: MW-3	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 28.15	Depth to Water (ft.): 8.62
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: Hanna

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1109 Flow Rate: 200 mL/min Pump Depth: 19'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)	PID
1112	17.38	6.91	603	34	0.81	-69.5	1000	8.65	0.0
1115	17.52	6.84	601	30	0.60	-67.0	1200	8.67	0.0
1118	17.38	6.83	600	27	0.57	-66.0	1800	8.68	0.0
1121	17.32	6.81	599	27	0.54	-65.1	2400	8.68	0.0
1124	17.27	6.81	598	25	0.53	-64.4	3000	8.68	0.0



Did well dewater? Yes (No) Amount actually evacuated: 3000

Sampling Time: 1125 Sampling Date: 9/9/24

Sample I.D.: GW-1203121G-090924-AR-MW-8 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: —

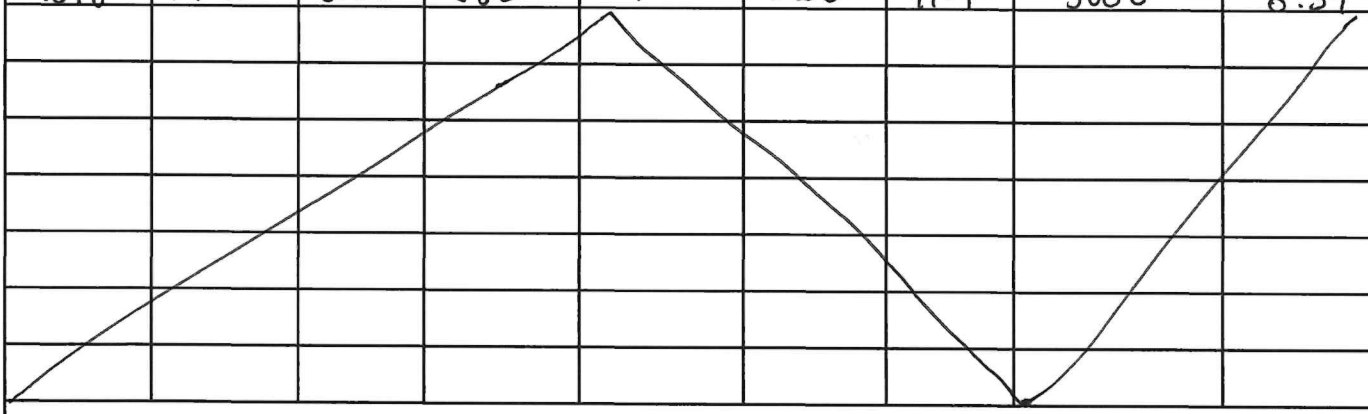
LOW FLOW WELL MONITORING DATA SHEET

Project #: 240909-AR1	Client: GHD
Sampler: MH	Gauging Date: 09/09/24
Well I.D.: MW-4	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 20.01	Depth to Water (ft.): 7.86
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic) Pump Bladder Pump
Sampling Method: (Dedicated) Tubing New Tubing Other ___

Start Purge Time: 1003 Flow Rate: 200 mL/MIN Pump Depth: 14'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)	PID
1006	18.91	6.10	534	4	1.83	71.4	600	7.98	0.0
1009	18.99	6.07	533	1	1.77	53.7	1200	8.11	0.0
1012	19.09	6.03	533	1	1.74	46.9	1800	8.37	0.0
1015	19.06	6.02	532	1	1.71	44.2	2400	8.37	0.0
1018	19.11	6.00	532	1	1.68	41.1	3000	8.39	0.0



Did well dewater? Yes (No)	Amount actually evacuated: 3000
Sampling Time: 1021	Sampling Date: 09/09/24
Sample I.D.: GW-1263126-090924-MH-MW-4	Laboratory: TA
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE C.O.C
Equipment Blank I.D.: — @ Time —	Duplicate I.D.: —

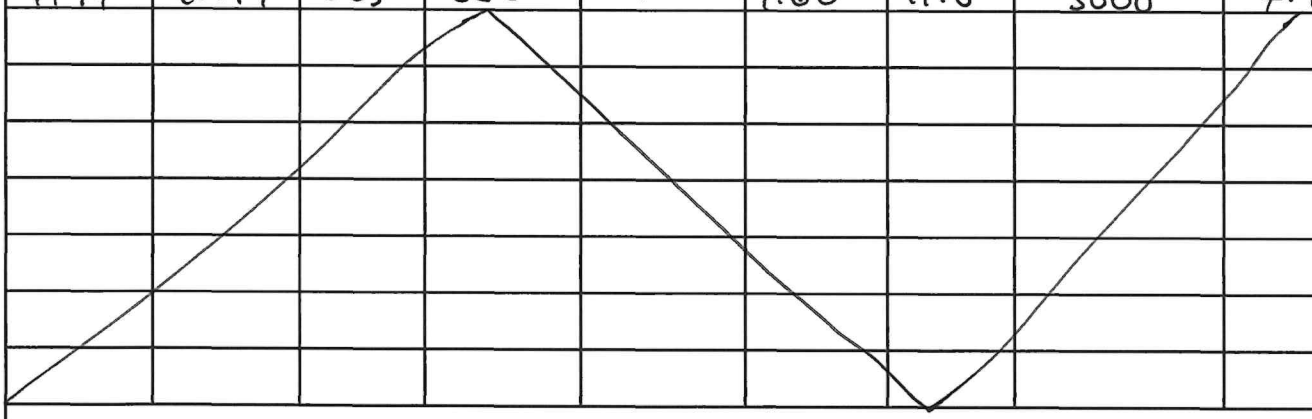
LOW FLOW WELL MONITORING DATA SHEET

Project #: 240909-AR1	Client: GHD
Sampler: MH	Gauging Date: 09/09/24
Well I.D.: MW-5	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 19.96	Depth to Water (ft.): 6.91
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ____

Start Purge Time: 1129 Flow Rate: 200 ML/MIN Pump Depth: 13.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)	PID
1132	20.76	5.98	663	15	1.75	44.2	600	7.06	0.0
1135	20.85	5.99	659	2	1.71	22.7	1200	7.18	0.0
1138	20.86	6.01	657	1	1.63	16.2	1800	7.37	0.0
1141	20.90	6.04	657	1	1.62	13.4	2400	7.40	0.0
1144	20.94	6.03	656	1	1.60	11.0	3000	7.43	0.0



Did well dewater? Yes (No) Amount actually evacuated: 3000

Sampling Time: 1147 Sampling Date: 09/09/24

Sample I.D.: GW-1263216-090924-MH-MW-5 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SEE C.O.C

Equipment Blank I.D.: — @ Time — Duplicate I.D.: —

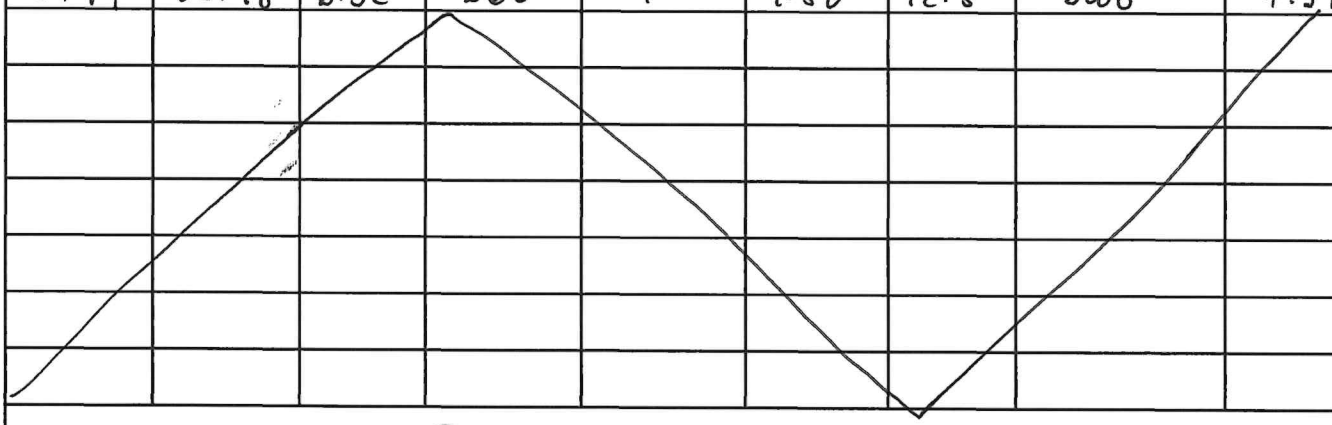
LOW FLOW WELL MONITORING DATA SHEET

Project #: 240909-AR1	Client: GHD
Sampler: MH	Gauging Date: 09/09/24
Well I.D.: MW-6	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 20.11	Depth to Water (ft.): 6.70
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ____

Start Purge Time: 0934 Flow Rate: 200 ML/MIN Pump Depth: 13.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)	PID
0937	22.18	6.49	662	4	2.39	246.7	600	6.93	0.0
0940	22.45	6.42	661	2	1.67	22.3	1200	7.02	0.0
0943	22.47	6.36	660	1	1.61	17.9	1800	7.35	0.0
0946	22.44	6.33	660	1	1.63	15.8	2400	7.38	0.0
0949	22.48	6.32	660	1	1.58	12.5	3000	7.39	0.0



Did well dewater? Yes (No)	Amount actually evacuated: 3000
Sampling Time: 0952	Sampling Date: 09/09/24
Sample I.D.: GW-1263216-090924-MH-MW-6	Laboratory: TA
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE C.O.C
Equipment Blank I.D.: — @ Time —	Duplicate I.D.: —

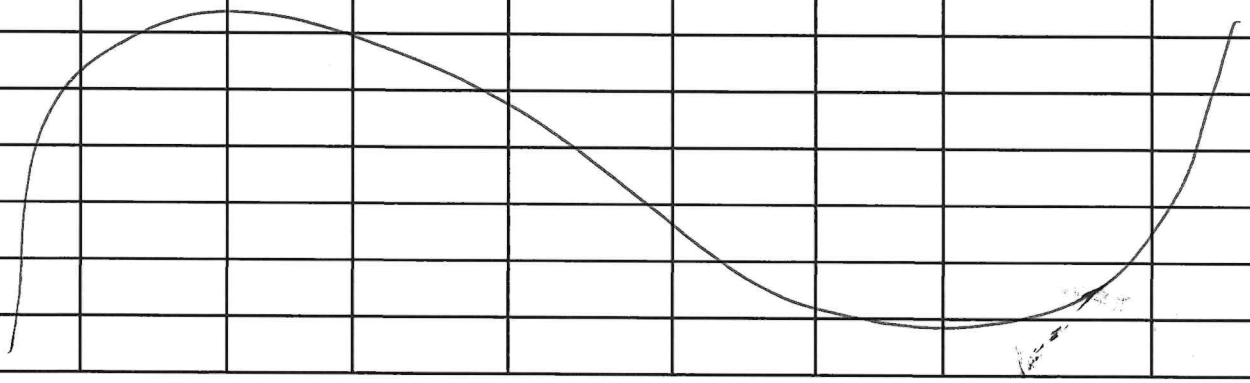
LOW FLOW WELL MONITORING DATA SHEET

Project #: 240909-AR1	Client: GHD
Sampler: AR	Gauging Date: 9/9/24
Well I.D.: MW-7	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 20.07	Depth to Water (ft.): 9.99
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: Hanna

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
Sampling Method: ~~Dedicated Tubing~~ New Tubing Other ___

Start Purge Time: 1140 Flow Rate: 200 mL/min Pump Depth: 15

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)	PID
1143	17.38	6.69	883	27	1.02	-64.3	600	10.02	0.0
1146	17.30	6.68	882	24	0.81	-62.2	1200	10.03	0.0
1149	17.20	6.68	886	22	0.75	-61.4	1800	10.05	0.0
1152	17.26	6.68	887	21	0.71	-60.0	2400	10.05	0.0
1155	17.21	6.67	888	20	0.69	-59.7	3000	10.05	0.0



Did well dewater? Yes (No) Amount actually evacuated: 3000

Sampling Time: 1158 Sampling Date: 9/9/24

Sample I.D.: GW-1263121G-090924-AR-MW-7 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

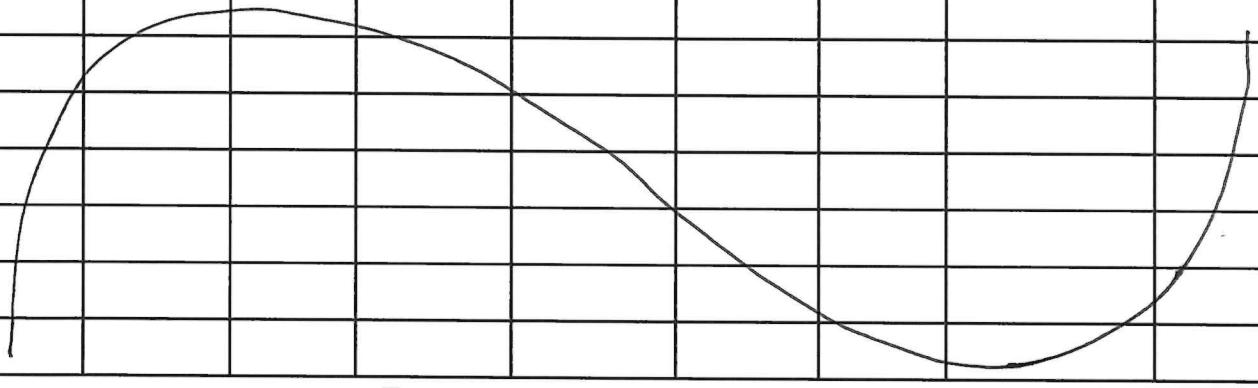
LOW FLOW WELL MONITORING DATA SHEET

Project #: 240909 - AR1	Client: GHD
Sampler: AR	Gauging Date: 9/9/24
Well I.D.: MW-8	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 19.83	Depth to Water (ft.): 7.71
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: Hanna

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 0956 Flow Rate: 200 mL/min Pump Depth: 14'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)	PID
0959	18.15	6.33	848	39	0.90	64.3	600	7.76	0.0
1002	18.27	6.35	852	33	0.69	58.4	1200	7.79	0.0
1005	18.39	6.34	855	31	0.57	56.1	1800	7.80	0.0
1008	18.45	6.38	856	30	0.53	52.7	2400	7.80	0.0
1011	18.40	6.37	856	29	0.50	49.2	3000	7.80	0.0



Did well dewater? Yes (No) Amount actually evacuated: 3000

Sampling Time: 1015 Sampling Date: 9/9/24

Sample I.D.: GW-1263121G-090924-AR-MW-8 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: —

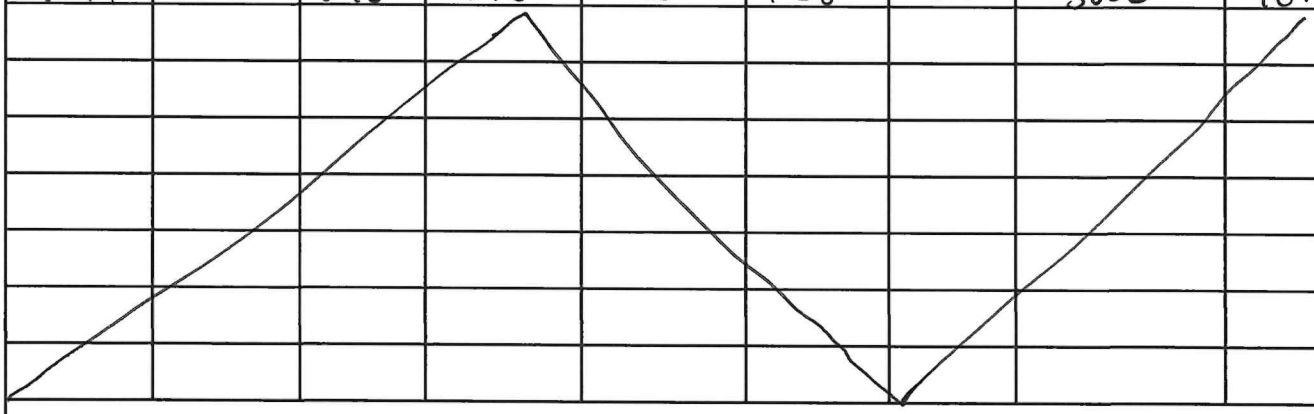
LOW FLOW WELL MONITORING DATA SHEET

Project #: 240909-AR1	Client: GHD
Sampler: MH	Gauging Date: 09/09/24
Well I.D.: MW-9	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 14.58	Depth to Water (ft.): 6.54
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ___

Start Purge Time: 1229 Flow Rate: 200 ML/MIN Pump Depth: 11'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)	PID
1232	20.95	6.01	937	30	1.64	37.7	600	8.79	0.0
1235	22.34	6.09	792	108	1.62	9.4	1200	9.54	0.0
1238	22.59	6.15	780	137	1.59	5.1	1800	10.61	0.0
1241	22.55	6.11	778	143	1.56	2.0	2400	10.65	0.0
1244	22.60	6.13	775	145	1.55	-1.6	3000	10.70	0.0



Did well dewater? Yes (No)	Amount actually evacuated: 3000
Sampling Time: 1247	Sampling Date: 09/09/24
Sample I.D.: GW-12631216-090924-MH-MW-9	Laboratory: TA
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE C.O.C
Equipment Blank I.D.: — @ Time —	Duplicate I.D.: —

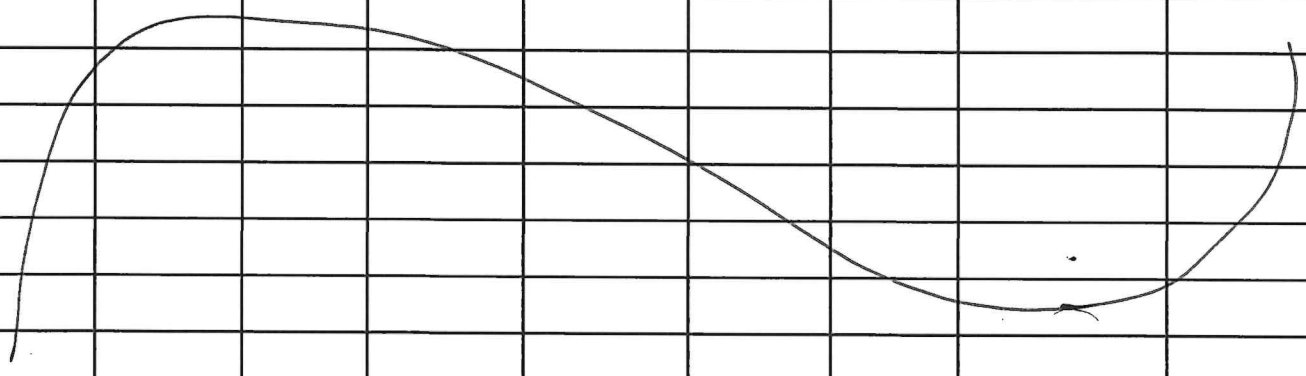
LOW FLOW WELL MONITORING DATA SHEET

Project #: 240909 - AR1	Client: GHD
Sampler: AR	Gauging Date: 9/9/24
Well I.D.: MW-10	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 11.60	Depth to Water (ft.): 8.04
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: Hanna

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1027 Flow Rate: 200 mL/min Pump Depth: 10'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)	PI
1030	19.35	6.64	849	29	1.08	-13.5	600	8.09	0.0
1033	19.85	6.61	850	29	1.01	-15.7	1200	8.13	0.0
1036	19.48	6.61	868	27	0.97	-20.3	1800	8.18	0.0
1039	19.57	6.62	865	26	0.95	-22.1	2400	8.20	0.0
1042	19.63	6.62	867	26	0.92	-25.7	3000	8.23	0.0



Did well dewater? Yes (No)	Amount actually evacuated: 3000
Sampling Time: 1045	Sampling Date: 9/9/24
Sample I.D.: GW-1263121C-090924-AR-MW-10	Laboratory: TA
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.: —

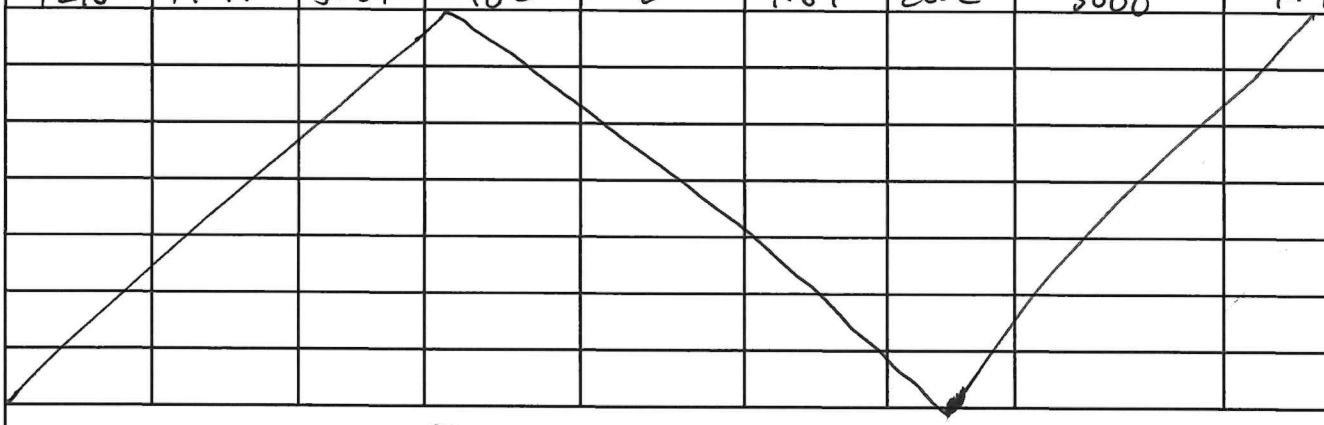
LOW FLOW WELL MONITORING DATA SHEET

Project #: 240909-MH-1	Client: GHD
Sampler: MH	Gauging Date: 09/09/24
Well I.D.: MW-11	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 9.25	Depth to Water (ft.): 6.61
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ____

Start Purge Time: 1158 Flow Rate: 200 mL/MIN Pump Depth: 8'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)	PID
1201	19.74	5.96	438	7	1.75	34.4	600	6.95	0.0
1204	19.91	5.94	477	3	1.72	32.9	1200	7.34	0.0
1207	19.96	5.90	480	2	1.70	30.8	1800	7.86	0.0
1210	20.02	5.88	480	2	1.69	29.4	2400	7.87	0.0
1213	19.99	5.87	482	2	1.64	28.2	3000	7.90	0.0



Did well dewater? Yes (No) Amount actually evacuated: 3000

Sampling Time: 1216 Sampling Date: 09/09/24

Sample I.D.: GW-12631216-090924-MH-MW-11 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SEE C.O.C

Equipment Blank I.D.: — @ Time — Duplicate I.D.: —

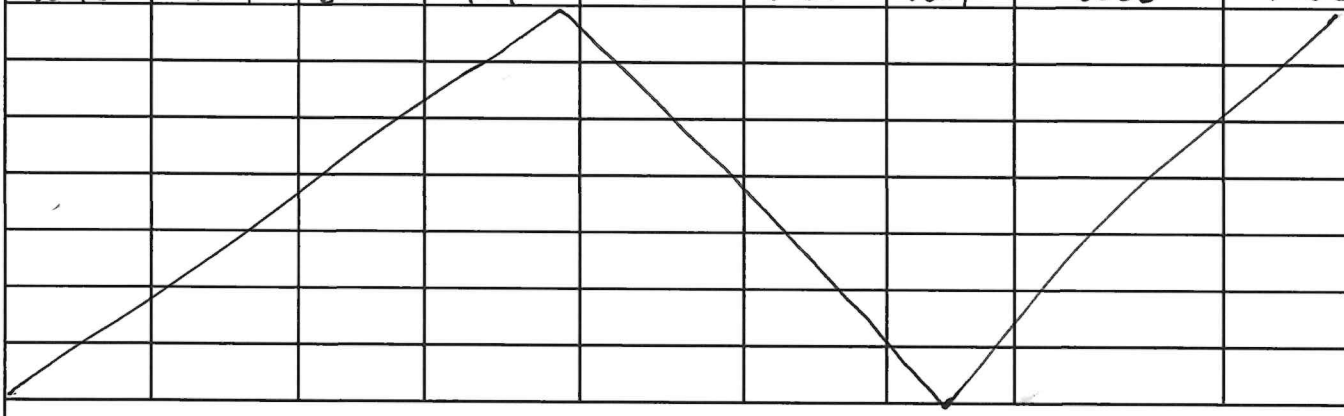
LOW FLOW WELL MONITORING DATA SHEET

Project #: 240909-AR1	Client: GHD
Sampler: MH	Gauging Date: 09/09/24
Well I.D.: MW-12	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 15.13	Depth to Water (ft.): 6.31
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump (Peristaltic) Pump Bladder Pump
Sampling Method: (Dedicated) Tubing New Tubing Other ____

Start Purge Time: 1030 Flow Rate: 200 ML/MIN Pump Depth: 10.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)	PID
1033	20.55	6.03	701	9	1.84	86.2	600	6.98	0.0
1036	20.99	6.06	711	3	1.70	28.6	1200	7.37	0.0
1039	20.98	6.05	713	2	1.63	24.4	1800	7.60	0.0
1042	21.04	6.09	713	2	1.65	21.0	2400	7.60	0.0
1045	21.09	6.07	714	2	1.61	18.7	3000	7.62	0.0



Did well dewater? Yes (No)	Amount actually evacuated: 3000
Sampling Time: 1048	Sampling Date: 09/09/24
Sample I.D.: GW-126312(6-090924-MH-MW-12	Laboratory: TA
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE C.O.C
Equipment Blank I.D.: — @ Time —	Duplicate I.D.: —

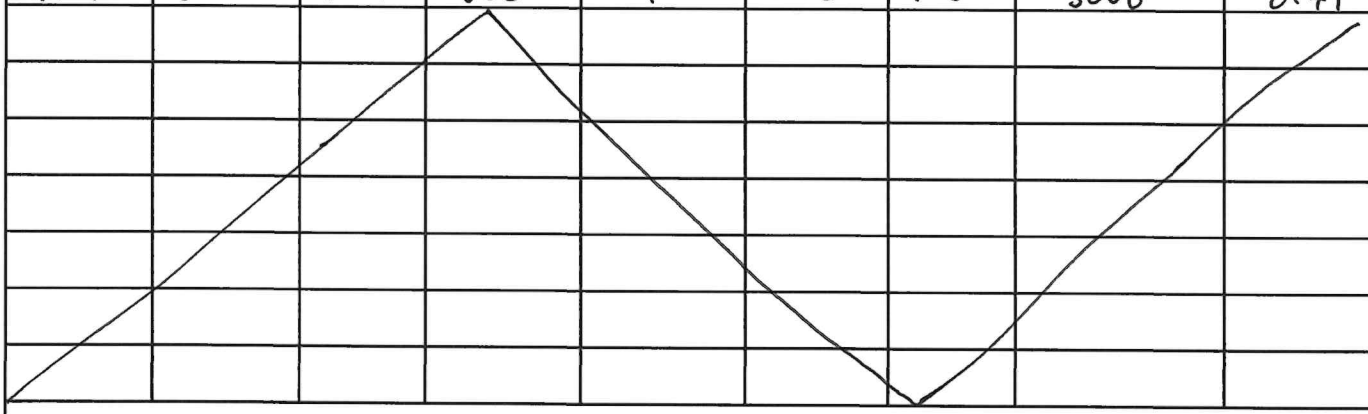
LOW FLOW WELL MONITORING DATA SHEET

Project #: 240909-AR1	Client: GHD
Sampler: MH	Gauging Date: 09/09/24
Well I.D.: MW-13	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 14.77	Depth to Water (ft.): 7.50
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump | (Peristaltic) Pump | Bladder Pump
Sampling Method: Dedicated (Tubing) | New Tubing | Other ____

Start Purge Time: 1059 | Flow Rate: 200 ML/MIN | Pump Depth: 11.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)	PID
1102	20.39	6.00	571	23	1.95	51.3	600	7.89	0.0
1105	20.47	6.00	577	14	1.68	18.7	1200	8.29	0.0
1108	20.51	6.01	579	10	1.64	12.5	1800	8.67	0.0
1111	20.58	6.02	580	9	1.60	9.2	2400	8.68	0.0
1114	20.55	6.01	580	9	1.62	7.6	3000	8.71	0.0



Did well dewater? Yes (No) — Amount actually evacuated: 3000

Sampling Time: 1117 — Sampling Date: 09/09/24

Sample I.D.: GW-1263216-090924-MH-MW-13 — Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D — Other: SEE C.O.C

Equipment Blank I.D.: — @ Time — — Duplicate I.D.: —

LOW FLOW WELL MONITORING DATA SHEET

Project #: 240909-AR1	Client: GHD
Sampler: AR	Gauging Date: 9/9/24
Well I.D.: MW-14	Well Diameter (in.): 2 3 4 6 8 ____
Total Well Depth (ft.):	Depth to Water (ft.):
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type:

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other

Start Purge Time: Flow Rate: Pump Depth:

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
	—	—	UNABLE TO LOCATE			—	—	
		—	CONCRETE PAD & SHEPPENG					
			CONTAINER ON WELL				—	
		—	—	NO SAMPLE TAKEN			—	

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

Eurofins Spokane
11922 E 1st Avenue

Spokane, WA 99206-5302
phone 509.924.9200 fax 509.924.9290

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Kinga Kozlowska	Site Contact:	Date: 9/9/24	COC No:
GHD	Email: kinga.kozlowska@ghd.com	Lab Contact:	Carrier:	1 of 2 COCs
9725 3rd Ave NE, Ste 204	Tel/Fax: (425) 444-4842			TALS Project #:
Seattle, WA 98115	Analysis Turnaround Time			Sampler: Aimee Rike
(425) 444-4842 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Shell - State St, Chehalis	☐ 2 weeks			Lab Sampling:
Site: 1349 NW State St, Chehalis, WA	☐ 1 week			Job / SDG No.:
Job #: 12631216	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-Gx	BTEX	NWTPH-Dx/O			Dissolved Lead (Field Filtered)										Sample Specific Notes:
GW-12631216-090924-AR-MW-2	9/9/24	0945	G	GW	7	Y	N	X	X	X			X										
GW-12631216-090924-AR-MW-3	"	1125	"	"	7	Y	N	X	X	X			X										
GW-12631216-090924-MH-MW-4		1021			7	Y	N	X	X	X			X										
GW-12631216-090924-MH-MW-5		1147			7	Y	N	X	X	X			X										
GW-12631216-090924-MH-MW-6		0952			7	Y	N	X	X	X			X										
GW-12631216-090924-AR-MW-7		1158			7	Y	N	X	X	X			X										
GW-12631216-090924-AR-MW-8		1015			7	Y	N	X	X	X			X										
GW-12631216-090924-MH-MW-9		1247			7	Y	N	X	X	X			X										
GW-12631216-090924-AR-MW-10		1045			7	Y	N	X	X	X			X										
GW-12631216-090924-MH-MW-11		1216			7	Y	N	X	X	X			X										
GW-12631216-090924-MH-MW-12		1048			7	Y	N	X	X	X			X										
GW-12631216-090924-MH-MW-13		1117			7	Y	N	X	X	X			X										

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: BTS	Date/Time: 9/9/24 1405	Received by:	Company: ETN	Date/Time: 9/9/24 1405
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins Spokane
11922 E 1st Avenue

Spokane, WA 99206-5302
phone 509.924.9200 fax 509.924.9290

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Kinga Kozlowska	Site Contact:	Date: 9/9/24	COC No:
GHD	Email: kinga.kozlowska@ghd.com	Lab Contact:	Carrier:	2 of 2 COCs
9725 3rd Ave NE, Ste 204	Tel/Fax: (425) 444-4842			TALS Project #:
Seattle, WA 98115	Analysis Turnaround Time			Sampler: Aimee Rike
(425) 444-4842 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Shell - State St, Chehalis	☐ 2 weeks			Lab Sampling:
Site: 1349 NW State St, Chehalis, WA	☐ 1 week			Job / SDG No.:
Job #: 12631216	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-Gx	BTEX	NWTPH-Dx/O			Dissolved Lead (Field Filtered)										Sample Specific Notes:
GW-12631216-090924-AR-Dup-1	9/9/24	1200	G	GW	7	Y	N	X	X	X			X										
GW-12631216-090924-AR-TB-1	↓	0900	↓	↓	2	N	N	X	X														

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: BTS	Date/Time: 9/9/24 1405	Received by:	Company: EESTN	Date/Time: 9/9/24 1405
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 94995009

ADDRESS 1349 NW State St

DATE: 9/9/24

CITY & STATE Chehalis WA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-2	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-3	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-4	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-5	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-6	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-7	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-8	Standpipe	Flush	G	P	Size (inch) 4	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-9	Standpipe	Flush	G	P	Size (inch) 2	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-10	Standpipe	Flush	G	P	Size (inch) 2	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-11	Standpipe	Flush	G	P	Size (inch) 2	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-12	Standpipe	Flush	G	P	Size (inch) 2	Y	N	G	R	G	R	NL	G	P		Y	N	
TOTAL # CAPS REPLACED =												= TOTAL # OF LOCKS REPLACED						

Condition of Soil Boring Patches or Abandoned Monitoring Wells	G	P	N/A	If POOR, Borings/Well IDs or Location Description	Y	N	

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA		G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
	Y	N	N/A	Y	N	N/A	G	P	N/A	Y	N	Y	N	N/A		Y	N	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Print or type Name of Field Personnel & Consultant Company

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 94995009 ADDRESS 1349 NW State St

DATE: 9/9/24 CITY & STATE Chehalis WA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-13	Standpipe	Flush	G	P	Size (inch) 2	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-14	~~Standpipe~~	~~Flush~~	~~G~~	~~P~~	Size (inch)	~~Y~~	~~N~~	~~G~~	~~R~~	~~G~~	~~R~~	~~NL~~	~~G~~	~~P~~	unable to locate	~~Y~~	~~N~~	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	

TOTAL # CAPS REPLACED = ____ ____ ____ = TOTAL # OF LOCKS REPLACED

Condition of Soil Boring Patches or Abandoned Monitoring Wells	G	P	N/A	If POOR, Borings/Well IDs or Location Description		Y	N	

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA		G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
	Y	N	N/A	Y	N	N/A	G	P	N/A	Y	N	Y	N	N/A		Y	N	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Print or type Name of Field Personnel & Consultant Company

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 1349 NW State St				PROJECT NUMBER 240909 - AR1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Hanna	08020054101	9/9/24 @ 0645	pH 4.0 7.0 10.0	4.03 7.05 10.06	✓	20.1	AR
			cond 3900 ORP 237.5 DO 100	3909 238.2 97.1	✓	20.1	AR
HANNA	07460011101	09/09/24 @ 0648	pH 4 7 10	3.98 6.97 9.95	✓	19.9	MH
			COND 8900 ORP 2875 DO 100	3884 238.5 96	✓	20.0	MH

SHELL BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT SHELL FACILITIES IN THE STATE OF WASHINGTON OR OREGON. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS, IS MADE UP INTO LOADS OF APPROPRIATE SIZE TO BE TRANSPORTED & PROCESSED BY A SHELL APPROVED WASTE HAULER.

The contractor performing this work is BLAINE TECH SERVICES, INC. 215 CLAY ST NW, SUITE B-1, AUBURN, WA 98001.
Blaine Tech Services, Inc. is authorized by SHELL OIL COMPANY (SHELL) to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purgewater that is drawn from wells at the SHELL facility indicated below and to deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Shell facility to BTS; from one Shell facility to BTS via another Shell facility; or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of SHELL.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the SHELL facility described below:

94995009 — INCIDENT #
Shell RMC — Shell Engineer

1349 — street number
NW State St — street name
Chehalis — city
WA — state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-2	1.0	MW-10	0.5
MW-3	1.0	MW-11	0.5
MW-4	1.0	MW-12	0.5
MW-5	1.0	MW-13	0.5
MW-6	1.0		
MW-7	1.0		
MW-8	1.0		
MW-9	0.5		

added equip. rinse water / 0.5

any other adjustments /

TOTAL GALS. RECOVERED 10

loaded onto BTS vehicle # 163/144

BTS event # 240909-AR1 time 1310 date 9/9/24

signature

****

RECEIVED AT BTS AUBURN time 1500 date 9/9/24

unloaded by signature

HASP Acknowledgment Sheet

Project Name: 1349 NW State St Project Number: 240909-AR1

This is to certify that I have received a pre-entry briefing regarding this HASP, and I understand its contents. My failure to follow and comply with the requirements contained in this plan may result in disciplinary action and/or termination.

Print Name	Signature	Date
Aimee Rike		9/9/24
Mac Hiller		09/09/24

	GHD Shell SGW (US) Daily Tailgate Meeting & Job Clearance Form	Issue: 1/2/2011 Revision 11: October 2016 Do NOT pre-populate any field.

Job Location:	1349 NW State St	Date:	9/9/24
GHD Site Supervisor:	Aimee Rice	GHD PM:	Kinga Kozlowska

List activities to be performed today:	Ground water monitoring
Permitted Activities (specific permit to be competed):	☒ Not Applicable ☐ Confined Space Entry ☐ Excavation/Trenching ☐ Hot Work ☐ Hoisting/Rigging (any lifting with equipment, excluding drill rigs) ☐ Natural Gas System Maintenance

The above Permit-required activities require onsite GHD supervision unless approved by Regional Operations.

Muster Point:	@ Mexican restaurant	Spill Kit Location:	Van
First Aid Kit Location:	Van	Fire Extinguisher Location:	Van
Emergency cut-off switches:	By building	Designated cell phone use area(s):	Passenger seat

Has the Site Manager/Owner been notified of the work activities and/or participated in a pre-work site walk?	☑ Yes ☐ No ☐ N/A
Is a fuel delivery scheduled for today? If yes, plan to Stop Work during fuel delivery.	☐ Yes ☑ No ☐ N/A
Has a site walk been performed to identify additional hazards?	☑ Yes ☐ No*
Have all personnel reviewed and understand the site specific HASP?	☑ Yes ☐ No*
Does each activity have a Job Safety Analysis (JSA)?	☑ Yes ☐ No*
Does each subcontractor have JSAs for their activities?	☑ Yes ☐ No* ☐ N/A
Have JSAs been reviewed by the work team and newly identified hazards been added to the JSA?	☑ Yes ☐ No*
Per our lone worker procedure, is each employee either accompanied by or in communications with another?	☑ Yes ☐ No* ☐ N/A
Has a Safe Lift Plan been completed and reviewed/approved by a GHD Subject Matter Expert?	☐ Yes ☐ No* ☑ N/A
Have all members of the work team confirmed understanding of the work, hazards, and controls/ mitigation?	☑ Yes ☐ No*
Has each person on the work team discussed all hazards and mitigation measures associated with any task which will require their feet to leave the ground?	☐ Yes ☐ No* ☑ N/A
Have work areas been properly cordoned-off to protect workers, site staff, and the public?	☑ Yes ☐ No* ☐ N/A
Have equipment checks been completed, documented, and reviewed?	☑ Yes ☐ No* ☐ N/A
Have there been any equipment modifications made by subcontractor(s)? Is yes, discuss modifications.	☐ Yes ☑ No ☐ N/A
Do all members of the work team have API Safety Keys (GHD excluded)?	☑ Yes ☐ No* ☐ N/A
Do all members of the work team have a Shell "Life Saving Rules" Training card?	☑ Yes ☐ No*
Do all site workers understand injury/ intervention reporting requirements including immediately notifying the GHD Site Supervisor of any injury, near miss, unsafe condition, hazard observation, or release?	☑ Yes ☐ No*
If permits are required, have they been reviewed and permit conditions understood by the Team?	☐ Yes ☐ No* ☒ N/A
If drilling, did driller physically point out all pinch points to entire team (GHD and all subs)?	☐ Yes ☐ No* ☑ N/A
If drilling, has the driller & crew agreed the audible and visible signals for "all clear" prior to engaging controls?	☐ Yes ☐ No* ☑ N/A

** If No, then work cannot be performed until corrective action is completed and documented.*

Title of GHD JSAs reviewed today:	Groundwater monitoring	Title of Subcontractor's JSAs reviewed today:	

All personnel are wearing (regardless of activity):	☒ Hard Hat ☒ Safety Glasses ☑ Safety Vest ☑ Steel-Toed Boots ☑ Gloves (appropriate for task) See JSA for additional task specific PPE requirements.

Stop Work Authority & Obligation

* All employees will stop the job any time anyone is concerned or uncertain about safety.
* All employees will stop the job if anyone identifies a hazard or additional mitigation not recorded on the JSA.
* All employees will be alerted to any changes in personnel or conditions at the worksite.
* All employees will stop the job and reassess a task, hazards, and mitigations, and then amend the JSA as needed.

Other Items Discussed Today:

Circle the Life Saving Rule Icons that are applicable to the work/activities that will take place today:

	GHD Shell SGW (US) Daily Tailgate Meeting & Job Clearance Form	Issue: January 2, 2011 Revision 11: October 2016 Do NOT pre-populate any field.

SITE WORKERS (including GHD Contractors and Subcontractors): By signing here, you are stating the following:

* You understand that compliance with Shell's Life Saving Rules is mandatory and that failing to follow to them may result in termination.
* You have been involved in reviewing the JSAs and understand the hazards and control measures associated with each task you are about to perform.
* You understand the permit to work requirements applicable to the work you are about to perform (if it includes permitted activities).
* You understand the Shell Life Saving Rules and are aware that tasks or work that is not risk-assessed shall not be performed.
* You are aware of your authority and obligation to 'Stop Work'.

I arrived and departed fit for duty:

* You are physically and mentally fit for duty,
* You are not under the influence of any type of medication, drugs, or alcohol that could affect your ability to work safely.
* You are aware of your responsibility to immediately report any illness, injury (regardless of where or when it occurred), or fatigue issue you may have to the GHD Site Supervisor.
* You will sign-out uninjured unless you have otherwise informed the GHD Site Supervisor.

Print Name & Company	Signature	Initials & Sign In Time	Initials & Sign Out Time
Aimee Rike BTS		AR In & Fit 0430	Out & Fit
Mac Hiller BTS		MH In & Fit 0630	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit

(Attach additional Site Worker sign-in/out sheets if needed)

PERSONAL SAFETY COMMITMENT (Attach additional Personal Safety Commitment sheets, if needed)

Print Name	"I will personally commit to do the following to positively improve site safety today":
Aimee Rike	I will wear proper PPE
Mac Hiller	I will wear proper PPE

SITE VISITORS (attach additional Site Visitor sign-in/out sheets if needed)

Print Name	Company Name	Arrival Time	Departure Time	Signature

SITE REPRESENTATIVE Sign In/Out (operating sites only, and signature must be requested. If the operator refuses to sign, note this on the Form)

Sign In: *I have discussed this Job Clearance Form with the contractor*		Sign Out: *I have discussed this Job Clearance Form with the contractor*	
Site Representative Name	**Site Representative Signature**	**Site Representative Name**	**Site Representative Signature**

TWILIGHT TOOL BOX TALK (Complete the following once field activities for the day have been concluded):

Were there any Incidents, Near Misses, Potential Incidents, or Positive Interventions today?	☐ Yes ☒ No	If yes, provide details:
Were there any 'Stop Work' interventions?	☐ Yes ☒ No	If yes, provide details:
Were there any areas for improvement noted?	☐ Yes ☒ No	If yes, provide details:
Is the Site Manager/Owner happy with the way you left the site (including the location of waste drums and/or equipment)?	☒ Yes ☐ No	If no, provide details:
I certify that the above information is true and the job site is being left in a safe condition	☒ Yes ☐ No	GHD Site Supervisor Signature:

BLAINE TECH SERVICES	Date: 9/9/24	Onsite Work Crew:
JSA **Groundwater Monitoring at Shell Site / Facility**	Location: 1349 NW State St Chehalis WA	AR MH

PPE -- Personal Protective Equipment	Required (Y/N)	PPE -- Personal Protective Equipment	Required (Y/N)
Steel Toed Safety Shoes	(Y) / N	Respirator	Y / (N)
Hi-Viz Safety Vest (Class 2)	(Y) / N	Hard Hat	(Y) N
Safety Glasses	(Y) / N	Rain Gear	Y / (N)
Goggles	Y / (N)	Snake Gators	Y / (N)
Face Shield	Y / (N)	Tyvek Coveralls	Y / (N)
Nitrile Gloves	(Y) / N	Fire Resistant Clothing (FRC)	Y / (N)
Kevlar Gloves	(Y) / N	Knee Pads	Y / (N)
Rubber/Neoprene Gloves	Y / (N)	Hi-Viz Safety Jacket or Pants (Class 3)	Y / (N)
Hearing Protection	Y / (N)	Other (list)	Y / (N)

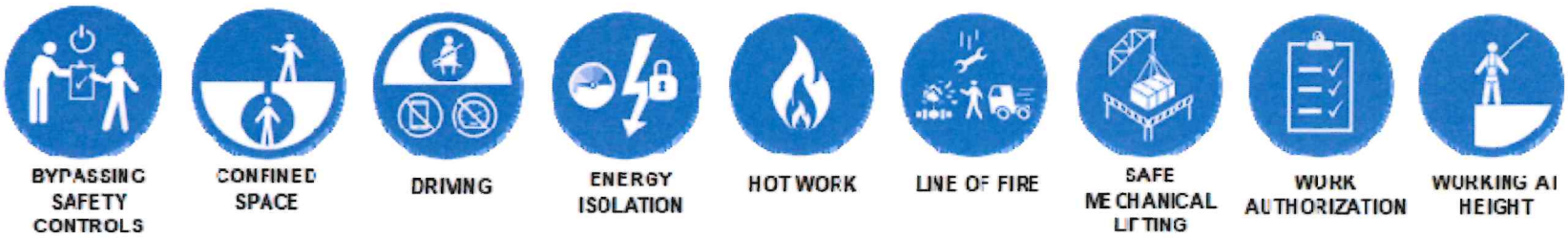
HAZARD ASSESSMENTS:

Whenever you arrive at a new job site, a **Hazard Assessment** is required to identify and evaluate potential hazards. **Hazard Assessments** must be performed prior to each move you make with your vehicle and after you arrive at each new work location or well. **Hazard Assessments** are also required whenever site conditions change. Technicians should maintain a high level of **Situational Awareness**, frequently assessing their safety.

STOP WORK AUTHORITY:

If, at any time, you feel that the work cannot be performed safely, you must **Stop Work and Report** to your Blaine Tech Project Manager.

Adherence to **9 Life Saving Rules** (LSRs) is **REQUIRED**:



Development Team	Document Control System & Issue Authority	
Bart Gebbie, Director of Client Services; Francis Thie, Vice President; Richard Blaine, Vice President	Approved by: Francis Thie, Vice President, 12/27/2021	Issue Authority: Francis Thie, Vice President, 12/27/2021
Retail Engineering and DS SGW FDG Contractor Safety CASE review performed by: Francis Thie, Vice President, 11/11/2020		
Hazard Control Sheets (HCS) Utilized: 6-Excavations, concrete cutting, trenching and drilling; 7-Hot works; 10-Water under pressure; 11-Air under pressure; 13-Slips, Trips and Falls; 19-Moving vehicles to and from site; 20-Moving vehicles off site and forecourt work; 23-Severe weather; 26-Electrical buried supply lines; 29-Benzene; 31-Dust particles; 32-Vermin; 35-Physical effort; 36-Noise; 37-Heat stress; 38-Cold stress; 40-Security; 41-Hazardous Waste		

Work Type	Vapor Pin Install & Sampling at Shell Site / Facility
JSA Type	Summary JSA
Organization	Blaine Tech Services, Inc.

My signature *below indicates that I have read this JSA; that I understand the hazards and safe work practices associated with the tasks; and that all requirements and conditions listed above have been met and verified prior to starting the work.*

Name/Signature Aimee Rice **Date/Time** 9/9/24 @ 0630

Name/Signature Mac Hiller **Date/Time** 09/09/24 @ 0630

Name/Signature _____ **Date/Time** _____

Name/Signature _____ **Date/Time** _____

Name/Signature _____ **Date/Time** _____

Name/Signature _____ **Date/Time** _____

Name/Signature _____ **Date/Time** _____

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The Power of Commitment