2023 Annual Groundwater Monitoring Report

Phillips 66 AOC 6880 – Geiger Corrections
Spokane, Washington
Facility Site No. 663

Phillips 66 Company

February 5, 2024

→ **The Power of Commitment**

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

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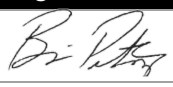
S4	00	Michael Cyrier	Heather Gadwa		Brian Peters		2/5/24

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1. Introduction

GHD Services Inc. (GHD) is submitting this *2023 Annual Groundwater Monitoring Report* on behalf of Phillips 66 Company (P66) for the Geiger Corrections Facility (P66 6880), located at 3507 South Spotted Road, Spokane, Washington (Property).

This annual report presents the results of semi-annual groundwater monitoring events conducted at the Property in June and November 2023. The Property is currently enrolled in the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP) under VCP No. EA0263 and Facility Site ID (FSID) No. 663.

2. Activities and Findings

A summary of groundwater monitoring activities completed in June and November 2023 are presented in Table A below and a summary of groundwater elevation and analytical data are presented in the attached Table 1. Groundwater Elevation Contour and Chemical Concentration Maps for June (Quarter 2) and November (Quarter 4) for both shallow and deep water bearing zones are presented on Figures 1 A/B and 2 A/B, respectively. Field forms and the laboratory analytical reports are included in Appendices A and B, respectively.

Table A- Groundwater Monitoring Event Summary

Well ID	Quarter 2		Quarter 4	
	Measure DTW	Collect GW Sample	Measure DTW	Collect GW Sample
Shallow Monitoring Wells				
MP-1	Decommissioned			
MP-1R	-	-	-	-
MW-2	M	S	M	S
MW-3	M	-	-	-
MW-4	M	-	M	-
MW-5	M	-	M	-
MW-10	M	-	M	S
MW-11	M	-	M	S
MW-13	M	S	M	S
Deep Monitoring Wells				
MW-1	M	-	M	-
MW-5D	M	S	M	S
MW-6	M	-	M	-
MW-7	M	S	M	S
MW-8	M	-	M	-
95-MW-11A	-	-	-	-
95-MW-11B	-	-	-	-
95-MW-12A	-	-	-	-
95-MW-12B	-	-	-	-
MW-12	M	S	M	S

Notes:
- = not measured / not collected
DTW = depth to groundwater
GW = groundwater
M = measured DTW
S = sample collected

Depth to groundwater is measured to the nearest 0.01 foot from the surveyed top of casing elevation. Groundwater samples are collected using low-flow sampling procedures and immediately placed on ice for shipment under chain of custody to Eurofins Calscience for analysis. Analyses included the following:

- Volatile Organic Compounds (VOCs): benzene, toluene, ethylbenzene, and xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8260C
- Total Petroleum Hydrocarbons (TPH) as gasoline (TPHg) by Method NWTPH-Gx
- TPH as diesel (TPHd) and TPH as oil (TPHo) by Method NWTPH-Dx

Groundwater sample laboratory analytical results were compared to Ecology's Model Toxics Control Act (MTCA) Method A cleanup levels (CULs). The following sections summarize field activities and present findings for each groundwater monitoring event.

2.1 Second Quarter 2023 Event

2.1.1 Shallow Monitoring Wells

Groundwater Flow Direction: Northeast

Hydraulic Gradient: 0.08 ft/ft

Depth to Water: 3.82 (MW-13) to 14.92 (MW-10) feet below top of casing (btoc)

Groundwater Elevation: 2339.46 (MW-10) to 2351.82 (MW-4) feet above mean sea level (AMSL)

LNAPL Present: No

Laboratory analytical testing reported the following:

– Concentration of TPHd reported at 740 micrograms per liter (µg/L) in the groundwater sample from MW-2 was greater than the respective MTCA Method A CUL of 500 µg/L.
– Remaining concentrations were below laboratory reporting limits and/or their respective MTCA Method A CULs in samples collected from monitoring wells MW-2 and MW-13.

A Groundwater Contour and Chemical Concentration Map Shallow Zone – June 8, 2023, is provided as Figure 1A.

2.1.2 Deep Monitoring Wells

Results of the monitoring event indicate the following:

Groundwater Flow Direction: North

Hydraulic Gradient: 0.03 ft/ft

Depth to Water: 31.53 (MW-5D) to 35.62 (MW-8) feet btoc

Groundwater Elevation: 2319.68 (MW-1) to 2324.14 (MW-7) feet AMSL

LNAPL Present: No

Laboratory analytical testing reported the following:

– Concentrations were below laboratory reporting limits and/or MTCA Method A CULs in sampled monitoring wells MW-5D, MW-7, and MW-12.

A Groundwater Contour and Chemical Concentration Map Deep Zone– June 8, 2023, is provided as Figure 1B.

2.2 Fourth Quarter 2023 Event

2.2.1 Shallow Monitoring Wells

Groundwater Flow Direction: North

Hydraulic Gradient: 0.007 ft/ft

Depth to Water: 3.30 (MW-13) to 5.66 (MW-4) feet btoc, monitoring wells MW-10 and MW-11 were dry

Groundwater Elevation: 2349.30 (MW-13) to 2350.78 (MW-4) feet AMSL

LNAPL Present: No

Laboratory analytical testing reported the following:

– Concentration of TPHd (870 µg/L) was reported in the groundwater sample from MW-2 above the respective MTCA Method A CUL.
– Remaining concentrations were below laboratory reporting limits and/or their respective MTCA Method A CULs in samples collected from monitoring wells MW-2 and MW-13.

A Groundwater Contour and Chemical Concentration Map Shallow Zone – November 15, 2023, is provided as Figure 2A.

2.2.2 Deep Monitoring Wells

Results of the monitoring event indicate the following:

Groundwater Flow Direction: Northwest

Hydraulic Gradient: 0.02 ft/ft

Depth to Water: 35.18 (MW-5D) to 36.02 (MW-6) feet btoc

Groundwater Elevation: 2319.36 (MW-1) to 2321.36 (MW-8) feet AMSL

LNAPL Present: No

Laboratory analytical testing reported the following:

– All concentrations were below laboratory reporting limits and/or their respective MTCA Method A CULs.

A Groundwater Contour and Chemical Concentration Map Shallow Zone – November 15, 2023, is provided as Figure 2B.

3. 2023 Investigation Derived Waste

Investigation derived waste (IDW) from the monitoring events, including purged groundwater and decontamination water was containerized in Department of Transportation compliant 55-gallon drums pending transport and disposal. Composite sampling was completed in November 2023, analytical results are provided in Appendix A. Pending profiling the IDW will be transported and disposed in accordance with applicable state regulations.

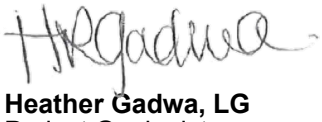
4. Summary and Recommendations

Semi-annual groundwater monitoring events were conducted during second and fourth quarters in 2023. Groundwater elevation contours indicate that groundwater typically flows toward the north to northeast in the shallow water bearing zone and north-northwest in the deeper water bearing zone, consistent with historical sampling events. Concentrations of TPHd were detected above MTCA Method A CUL in monitoring well MW-2. Concentrations of TPHg, TPHd, TPHo, and BTEX were not reported above laboratory reporting limits and/or MTCA Method A CULs in the remaining sampled monitoring wells.

GHD recommends continuing groundwater monitoring activities, however, on a quarterly basis for a minimum of one year to observe seasonal fluctuation of petroleum concentrations. The next monitoring event is scheduled to be completed in February 2024.

Please contact Heather Gadwa at (425) 563-6509 if you have any questions or require additional information.

Sincerely,



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Tables

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
Shallow													
MP-1	08/20/01	--	--	--	--	--	--	--	--	--	--	--	--
MP-1	11/30/01	--	--	--	--	--	**50,300**	<750	<0.50	<2.0	<1.0	<1.5	**990**
MP-1	03/25/02	--	--	--	--	--	**9,650**	<750	<0.50	<2.0	1.9	23	**599**
MP-1	06/04/02	--	--	--	--	--	**39,700**	<500	<0.50	<2.0	1.9	<1.5	**353**
MP-1	08/20/02	--	--	--	--	--	**19,100**	<500	<0.50	<2.0	1.1	13	**223**
MP-1	10/29/02	--	--	--	--	--	**20,900**	<500	<0.50	<2.0	1.2	13	**413**
MP-1	02/19/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	4.2	62
MP-1	06/05/03	--	--	--	--	--	**9,950**	<500	<0.50	<2.0	<1.0	<1.5	**268**
MP-1	09/09/03	--	--	--	--	--	**8,430**	<500	<0.50	<2.0	<1.0	17	**459**
MP-1	12/10/03	--	--	--	--	--	**13,600**	<500	<0.50	<2.0	<1.0	5.9	**184**
MP-1	06/03/04	--	--	--	--	--	**16,800**	<500	<0.50	<2.0	<1.0	9.5	**246**
MP-1	12/01/04	--	--	--	--	--	**14,800**	<500	<0.50	<2.0	1.7	16	**246**
MP-1	06/03/05	--	--	--	--	--	**17,400**	<500	<0.50	<2.0	3.1	29	**178**
MP-1	11/21/05	--	--	--	--	--	**9,900**	500	<0.50	<2.0	<1.0	17	32
MP-1	06/15/06	--	--	--	--	--	**11,200**	<500	<0.50	<2.0	<1.0	18	<20
MP-1	12/19/06	--	--	--	--	--	**2,700**	<500	<0.50	<2.0	<1.0	7.2	114
MP-1	05/30/07	--	--	--	--	--	**6,100**	<500	<0.50	<2.0	<1.0	19	120
MP-1	10/30/07					--	--	--	--	--	--	--	--
MP-1	02/02/11	2,354.90	3.96	--	2350.94	--	--	--	--	--	--	--	--
MP-1	04/26/11	2,354.90	4.20	--	2350.70	--	--	--	--	--	--	--	--
MP-1	07/12/11	2,354.90	Dry	--	--	--	--	--	--	--	--	--	--
MP-1	10/28/11	2,354.90	Obstruction in Well at 4.59 Feet				--	--	--	--	--	--	--
MP-1	10/09/13	2,354.90	Well Decommissioned			--	--	--	--	--	--	--	--
MP-1R	10/12/13	2,354.78	4.86	--	2349.92	**3,210**	**1,200**	<400	<1.0	<1.0	<1.0	13.9	16.3
MP-1R	03/11/14	2,354.78	2.15	--	2352.63	**1,260**	**500**	**500**	<1.0	<1.0	<1.0	<3.0	<4.0
MP-1R	03/11/14	--	--	--	--	**1,300**	**520**	**640**	<1.0	<1.0	<1.0	<3.0	<4.0
MP-1R	06/03/14	2,354.78	4.95	--	2349.83	**3,890**	**1,400**	<420	<1.0	<1.0	<1.0	13.5	10.6
MP-1R	04/06/17	2,354.78	3.58	--	2351.20	430	290	110 J	<0.5	<0.5	<0.5	<0.5	<1.0
MP-1R	04/06/17	--	--	--	--	450	250	80 J	<0.5	<0.5	<0.5	<0.5	<1.0
MP-1R	09/14/17	2,354.78	4.79	--	2349.99	**2,200**	**1,400**	140 J	<1	<1	<1	<1	5

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Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MP-1R	03/21/18	2354.78	3.88	--	2350.90	540	280	<260	--	--	--	--	--
MP-1R	06/21/18	2354.78	4.79	--	2349.99	**1,900**	**1,500**	<270	--	--	--	--	--
MP-1R	06/21/18	--	--	--	--	**1,900**	**1,400**	<260	--	--	--	--	--
MP-1R	09/21/18	2354.78	4.91	--	2349.87	**1,600**	**1,400**	<270	--	--	--	--	--
MP-1R	12/06/18	2354.78	4.27	--	2350.51	**2,800**	**1,400**	<260	--	--	--	--	--
MP-1R	03/06/19	2354.78	4.31	--	2350.47	700	360	<260	--	--	--	--	--
MP-1R	03/06/19	2354.78	4.31	--	2350.47	710	380	<260	--	--	--	--	--
MP-1R	05/21/19	2354.78	4.20	--	2350.58	**1,200**	**1,200**	<250	--	--	--	--	--
MP-1R	05/21/19	2354.78	4.20	--	2350.58	**1,300**	**1,300**	<270	--	--	--	--	--
MP-1R	08/21/19	2354.78	4.61	--	2350.17	**2,700**	**1,200**	<270	--	--	--	--	--
MP-1R	10/30/19	2354.78	4.42	--	2350.36	**2,900**	**1,600**	<260	--	--	--	--	--
MP-1R	03/05/20	2354.78	4.21	--	2350.57	550	350	<250	<1	<1	<1	<6	--
MP-1R	06/03/20	2354.78	4.12	--	2350.66	**2,000**	**2,200**	**170 J**	<1.0	<1.0	<1.0	<6.0	--
MP-1R	09/03/20	2354.78	4.76	--	2350.02	**2,200**	**630**	<1,300	<1.0	<1.0	<1.0	<6.0	--
MP-1R	03/31/21	2357.78	4.45	--	2353.33	**2,100**	**2,400**	<260	<1.0	<1.0	<1.0	<6.0	--
MP-1R	11/16/21	2354.78	4.20	--	2350.58	**1,500**	**1,600**	<250	<1.0	<1.0	<1.0	<1.0	--
MP-1R	04/20/22	2354.78	--	--	--	--	--	--	--	--	--	--	--
MP-1R	12/07/22	2354.78	--	--	--	--	--	--	--	--	--	--	--
MP-1R	06/08/23	2354.78	--	--	--	--	--	--	--	--	--	--	--
MP-1R	11/15/23	2354.78	--	--	--	--	--	--	--	--	--	--	--
MW-2	08/20/01	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/25/02	--	--	--	--	--	**19,800**	<750	<0.50	<2.0	<1.0	11	**216**
MW-2	06/04/02	--	--	--	--	--	**22,100**	<500	<0.50	<2.0	<1.0	8.2	**1,320**
MW-2	08/20/02	--	--	--	--	--	**4,970**	<500	<0.50	<2.0	<1.0	6.7	156
MW-2	10/29/02	--	--	--	--	--	**13,700**	<500	<0.50	<2.0	<1.0	6.1	**199**
MW-2	10/29/02	--	--	--	--	--	**15,400**	<500	<0.50	<2.0	<1.0	9.3	**328**
MW-2	02/19/03	--	--	--	--	--	**10,400**	<500	<0.50	<2.0	<1.0	<1.5	140
MW-2	06/05/03	--	--	--	--	--	**4,570**	<500	<0.50	<2.0	<1.0	2.0	134
MW-2	06/05/03	--	--	--	--	--	**4,320**	<500	<0.50	<2.0	<1.0	2.4	**182**
MW-2	09/09/03	--	--	--	--	--	**2,560**	<500	<0.50	<2.0	<1.0	<1.5	**203**
MW-2	09/09/03	--	--	--	--	--	**2,440**	<500	<0.50	<2.0	<1.0	<1.5	**204**
MW-2	12/10/03	--	--	--	--	--	**42,100**	<500	<0.50	<2.0	<1.0	<1.5	**282**

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Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-2	06/03/04	--	--	--	--	--	**6,000**	<500	<0.50	2.6	<1.0	6.0	**162**
MW-2	06/03/04	--	--	--	--	--	**6,500**	<500	<0.50	2.1	<1.0	5.4	**170**
MW-2	12/01/04	--	--	--	--	--	**2,410**	<500	<0.50	<2.0	<1.0	5.2	38
MW-2	06/03/05	--	--	--	--	--	**2,810**	<500	<0.50	<2.0	<1.0	<1.5	129
MW-2	06/03/05	--	--	--	--	--	**2,910**	<500	<0.50	<2.0	<1.0	5.2	129
MW-2	11/21/05	--	--	--	--	--	**3,440**	<500	<0.50	<2.0	<1.0	<1.5	24
MW-2	11/21/05	--	--	--	--	--	**3,680**	500	<0.50	<2.0	<1.0	<1.5	23
MW-2	06/15/06	--	--	--	--	--	**2,750**	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-2	06/16/06	--	--	--	--	--	**11,200**	<500	<0.50	<2.0	<1.0	18	<20
MW-2	12/19/06	--	--	--	--	--	**2,340**	<500	<0.50	<2.0	<1.0	2.6	95
MW-2	05/30/07	--	--	--	--	--	**2,790**	<500	<0.50	<2.0	<1.0	1.7	98
MW-2	10/30/07	--	--	--	--	**2,600**	**1,800**	140	<0.50	<0.70	<0.80	<0.80	<1.0
MW-2	06/24/08	--	--	--	--	**1,600**	**830**	<94	<0.50	<0.70	<0.80	<0.80	<1.0
MW-2	12/03/08	--	--	--	--	**1,800**	**700**	<69	<0.50	<0.70	<0.80	<0.80	<1.0
MW-2	06/03/09	--	--	--	--	**1,730**	**620**	<58	<0.12	<0.21	<0.20	<0.15	--
MW-2	11/10/09	--	--	--	--	**2,230**	**821**	<379	<1.0	<1.0	<1.0	<3.0	3.2
MW-2	02/02/10	--	--	--	--	**1,450**	**940**	<388	<1.0	<1.0	<1.0	<3.0	3.9
MW-2	05/18/10	--	--	--	--	**1,330**	**1,870**	<392	<1.0	<1.0	<1.0	<3.0	<1.0
MW-2	08/09/10	--	--	--	--	**1,200**	**831**	<396	<1.0	<1.0	<1.0	<3.0	--
MW-2	11/01/10	--	--	--	--	**1,680**	**2,080**	<388	<1.0	<1.0	<1.0	<3.0	--
MW-2	02/02/11	--	--	--	--	**1,700**	**1,170**	<385	<1.0	<1.0	<1.0	<3.0	--
MW-2	04/26/11	--	--	--	--	**3,280**	**562**	<392	<1.0	<1.0	<1.0	<3.0	--
MW-2	07/12/11	--	--	--	--	**1,020**	**700**	<408	<1.0	<1.0	<1.0	<3.0	--
MW-2	10/27/11	--	--	--	--	**2,000**	**920**	<410	<1.0	<1.0	<1.0	<3.0	--
MW-2	07/02/12	2,354.55	4.83	--	2349.72	**1,960**	**580**	<380	<1.0	<1.0	<1.0	<3.0	<1.0
MW-2	10/10/12	2,354.55	5.06	--	2349.49	**1,500**	**680**	<840	<1.0	<1.0	<1.0	<3.0	7.4
MW-2	03/13/13	2,354.55	4.61	--	2349.94	**1,060**	**620**	<420	<1.0	<1.0	<1.0	<3.0	<4.0
MW-2	05/15/13	2,354.55	5.09	--	2349.46	**1,220**	**990**	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-2	08/06/13	2,354.55	4.68	--	2350.51	**924**	**560**	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-2	10/11/13	2,355.19	5.19	--	2350.00	**833**	**910**	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-2	03/11/14	2,355.19	3.21	--	2351.98	**1,900**	**910**	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-2	06/03/14	2,355.19	5.10	--	2350.09	**1,870**	**610**	<420	<1.0	<1.0	<1.0	<3.0	<4.0
MW-2	04/06/17	2,355.19	4.18	--	2351.01	**1,500**	**1,200**	<73	<0.5	<0.5	<0.5	<0.5	2.0

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-2	09/14/17	2,355.19	4.89	--	2,350.30	**1,200**	**720**	<260	<1	<1	<1	<1	<4
MW-2	03/21/18	2355.19	4.45	--	2350.74	**940**	380	<250	--	--	--	--	--
MW-2	06/21/18	2355.19	4.78	--	2350.41	**1,000**	**540**	<280	--	--	--	--	--
MW-2	09/21/18	2355.19	5.02	--	2350.17	**810**	**740**	<270	--	--	--	--	--
MW-2	12/06/18	2355.19	4.57	--	2350.62	**1,400**	**510**	<250	--	--	--	--	--
MW-2	12/06/18	2355.19	4.57	--	2350.62	**1,400**	400	<260	--	--	--	--	--
MW-2	03/06/19	2355.19	4.70	--	2350.49	**1,300**	410	<270	--	--	--	--	--
MW-2	05/21/19	2355.19	4.36	--	2350.83	**1,200**	**620**	<260	--	--	--	--	--
MW-2	08/21/19	2355.19	4.55	--	2350.64	**1,500**	**540**	<260	--	--	--	--	--
MW-2	10/30/19	2355.19	4.49	--	2350.70	**1,800**	**700**	<310	--	--	--	--	--
MW-2	10/30/19	2355.19	4.49	--	2350.70	**1,700**	**690**	<280	--	--	--	--	--
MW-2	03/05/20	2355.19	4.65	--	2350.54	**1,200**	410	<260	<1	<1	<1	<6	--
MW-2	03/05/20	2355.19	4.65	--	2350.54	**1,100**	460	<260	<1	<1	<1	<6	--
MW-2	06/03/20	2355.19	4.33	--	2350.86	780	**710**	<260	<1.0	<1.0	<1.0	<6.0	--
MW-2	09/03/20	2355.19	4.70	--	2350.49	**1,100**	**630**	<270	<1.0	<1.0	<1.0	<6.0	--
MW-2	03/31/21	2355.19	4.92	--	2350.27	**990**	**720**	<260	<1.0	<1.0	<1.0	<6.0	--
MW-2	11/16/21	2355.19	4.50	--	2350.69	**1,300**	**730**	<250	<1.0	<1.0	<1.0	<1.0	--
MW-2	04/20/22	2355.19	--	--	--	**940**	**570**	<250	<1.0	<1.0	<1.0	<1.0	--
MW-2	12/07/22	2355.19	5.00	--	2350.19	**830**	**690**	<290	<1.0	<1.0	<1.0	<1.0	--
MW-2	06/08/23	2355.19	4.80	--	2350.39	410	**740**	<100	<0.50	<1.0	<1.0	<2.0	--
MW-2	11/15/23	2355.19	4.75	--	2350.44	520	**870**	<100	<0.50	<1.0	<1.0	<2.0	--
MW-3	08/20/01	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	03/25/02	--	--	--	--	--	<250	<750	<0.50	<2.0	<1.0	<1.5	<20
MW-3	06/04/02	--	--	--	--	--	267	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-3	08/02/02	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-3	10/29/02	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-3	02/19/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-3	06/05/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-3	09/09/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-3	12/10/03	--	--	--	--	--	<250	<500	<1.5	<2.0	<1.0	<1.5	<20
MW-3	06/03/04	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/01/04	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-3	06/03/05	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-3	11/21/05	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	06/15/06	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-3	12/19/06	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	05/30/07	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-3	10/30/07	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	06/24/08	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/03/08	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	06/03/09	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	11/10/09	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	02/02/10	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	05/18/10	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	08/09/10	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	11/01/10	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	02/02/11	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	07/12/11	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	10/27/11	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	07/02/12	2,355.18	4.92	--	2350.26	--	--	--	--	--	--	--	--
MW-3	10/11/12	2,355.18	5.17	--	2350.01	<50	<160	<820	<1.0	<1.0	<1.0	<3.0	<1.0
MW-3	03/13/13	2,355.18	4.68	--	2350.50	--	--	--	--	--	--	--	--
MW-3	05/15/13	2,355.18	5.16	--	2350.02	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	<4.0
MW-3	08/06/13	2,355.18	4.64	--	2350.80	--	--	--	--	--	--	--	--
MW-3	10/11/13	2,355.44	5.28	--	2350.16	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<4.0
MW-3	03/11/14	2,355.44	3.52	--	2351.92	--	--	--	--	--	--	--	--
MW-3	06/03/14	2,355.44	4.98	--	2350.46	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-3	04/06/17	2,355.44	4.28	--	2351.16	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	<1.0
MW-3	09/14/17	2,355.44	4.89	--	2,350.55	<250	<100	<260	<1	<1	<1	<1	<4
MW-3	12/06/18	2355.44	--	--	--	--	--	--	--	--	--	--	--
MW-3	03/06/19	2355.44	--	--	--	--	--	--	--	--	--	--	--
MW-3	05/21/19	2355.44	--	--	--	--	--	--	--	--	--	--	--
MW-3	08/21/19	2355.44	--	--	--	--	--	--	--	--	--	--	--
MW-3	10/30/19	2355.44	--	--	--	--	--	--	--	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-3	11/16/21	2355.44	4.56	--	2350.88	--	--	--	--	--	--	--	--
MW-3	04/20/22	2355.44	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/07/22	2355.44	4.38	--	2351.06	--	--	--	--	--	--	--	--
MW-3	06/08/23	2355.44	4.11	--	2351.33	--	--	--	--	--	--	--	--
MW-3	11/15/23	2355.44	--	--	--	--	--	--	--	--	--	--	--
MW-4	08/20/01	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	03/25/02	--	--	--	--	--	**10,600**	<750	1.1	3.2	<1.0	1.9	**526**
MW-4	03/26/02	--	--	--	--	--	**5,770**	<750	<0.50	<2.0	<1.0	<1.5	**344**
MW-4	06/04/02	--	--	--	--	--	**11,400**	<500	<0.50	<2.0	<1.0	<1.5	**432**
MW-4	06/05/02	--	--	--	--	--	**12,500**	<500	<0.50	<2.0	1.1	1.6	**278**
MW-4	08/20/02	--	--	--	--	--	**1,500**	<500	<0.50	<2.0	<1.0	<1.5	43
MW-4	10/29/02	--	--	--	--	--	**2,220**	<500	<0.50	<2.0	<1.0	<1.5	72
MW-4	02/19/03	--	--	--	--	--	**1,570**	<500	<0.50	<2.0	<1.0	<1.5	22
MW-4	06/05/03	--	--	--	--	--	**720**	<500	<0.50	<2.0	<1.0	<1.5	40
MW-4	09/09/03	--	--	--	--	--	**890**	<500	<0.50	<2.0	<1.0	<1.5	61
MW-4	12/10/03	--	--	--	--	--	**2,750**	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-4	06/03/04	--	--	--	--	--	**710**	<500	<0.50	<2.0	<1.0	<1.5	41
MW-4	12/01/04	--	--	--	--	--	**620**	<500	0.69	<2.0	<1.0	<1.5	22
MW-4	06/03/05	--	--	--	--	--	370	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-4	11/21/05	--	--	--	--	--	**920**	<500	<0.50	<2.0	<1.0	<1.5	27
MW-4	06/15/06	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-4	12/19/06	--	--	--	--	--	360	<500	<0.50	<2.0	<1.0	<1.5	31
MW-4	12/19/06	--	--	--	--	--	380	<500	<0.50	<2.0	<1.0	<1.5	27
MW-4	05/30/07	--	--	--	--	--	449	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-4	05/30/07	--	--	--	--	--	445	<500	<0.50	<2.0	<1.0	<1.5	27
MW-4	10/30/07	--	--	--	--	700	--	--	<0.50	<0.70	<0.80	<0.80	1.0
MW-4	10/30/07	--	--	--	--	660	**650**	<94	<0.50	<0.70	<0.80	<0.80	<1.0
MW-4	06/24/08	--	--	--	--	190	200	<94	<0.50	<0.70	<0.80	<0.80	<1.0
MW-4	12/03/08	--	--	--	--	330	200	<66	<0.50	<0.70	<0.80	<0.80	<1.0
MW-4	06/03/09	--	--	--	--	193	120	<59	<0.12	<0.21	<0.20	<0.15	--
MW-4	11/10/09	--	--	--	--	380	363	<381	<1.0	<1.0	<1.0	<3.0	2.9
MW-4	02/02/10	--	--	--	--	162	286	<388	<1.0	<1.0	<1.0	<3.0	2.7

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-4	05/18/10	--	--	--	--	227	**650**	<392	<1.0	<1.0	<1.0	<3.0	<1.0
MW-4	08/09/10	--	--	--	--	156	123	<385	<1.0	<1.0	<1.0	<3.0	--
MW-4	11/01/10	--	--	--	--	374	277	<388	<1.0	<1.0	<1.0	<3.0	--
MW-4	02/02/11	--	--	--	--	137	201	<392	<1.0	<1.0	<1.0	<3.0	--
MW-4	04/26/11	--	--	--	--	**1,010**	185	<392	<1.0	<1.0	<1.0	<3.0	--
MW-4	07/12/11	--	--	--	--	510	210 J	<392	<1.0	<1.0	<1.0	<3.0	--
MW-4	10/27/11	--	--	--	--	173	340	<380	<1.0	<1.0	<1.0	<3.0	--
MW-4	07/02/12	2,356.37	5.85	--	2350.52	241	180	<380	<1.0	<1.0	<1.0	<3.0	<1.0
MW-4	10/09/12	2,356.37	6.15	--	2350.22	113	<160	<810	<1.0	<1.0	<1.0	<3.0	5.1
MW-4	03/13/13	2,356.37	5.62	--	2350.75	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<4.0
MW-4	05/15/13	2,356.37	6.05	--	2350.32	136	<390	<390	<1.0	<1.0	<1.0	<3.0	<4.0
MW-4	08/06/13	2,356.37	5.68	--	2350.76	120	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-4	10/09/13	2,356.44	6.17	--	2350.27	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<4.0
MW-4	03/11/14	2,356.44	4.70	--	2351.74	192	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-4	06/03/14	2,356.44	5.93	--	2350.51	277	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-4	04/03/17	2,356.44	5.09	--	2351.35	200J	190	<75	<0.5	<0.5	<0.5	<0.5	<1.0
MW-4	09/14/17	2,356.44	6.27	--	2,350.17	270	260	<260	<1	<1	<1	<1	<4
MW-4	03/21/18	2356.44	5.47	--	2350.97	--	--	--	--	--	--	--	--
MW-4	06/21/18	2356.44	5.80	--	2350.64	--	--	--	--	--	--	--	--
MW-4	09/21/18	2356.44	6.07	--	2350.37	--	--	--	--	--	--	--	--
MW-4	12/06/18	2356.44	5.61	--	2350.83	--	--	--	--	--	--	--	--
MW-4	03/06/19	2356.44	5.76	--	2350.68	--	--	--	--	--	--	--	--
MW-4	05/21/19	2356.44	5.47	--	2350.97	--	--	--	--	--	--	--	--
MW-4	08/21/19	2356.44	5.69	--	2350.75	--	--	--	--	--	--	--	--
MW-4	10/30/19	2356.44	5.75	--	2350.69	--	--	--	--	--	--	--	--
MW-4	03/05/20	2356.44	5.69	--	2350.75	--	--	--	--	--	--	--	--
MW-4	06/03/20	2356.44	5.44	--	2351.00	--	--	--	--	--	--	--	--
MW-4	09/03/20	2356.44	5.75	--	2350.69	--	--	--	--	--	--	--	--
MW-4	11/16/21	2356.44	5.50	--	2350.94	--	--	--	--	--	--	--	--
MW-4	04/20/22	2356.44	5.72	--	2350.72	--	--	--	--	--	--	--	--
MW-4	12/07/22	2356.44	--	--	--	--	--	--	--	--	--	--	--
MW-4	06/08/23	2356.44	4.62	--	2351.82	--	--	--	--	--	--	--	--
MW-4	11/15/23	2356.44	5.66	--	2350.78	--	--	--	--	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-5	08/20/01	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	03/25/02	--	--	--	--	--	**1,360**	<750	**19.1**	121	16	123	27
MW-5	06/04/02	--	--	--	--	--	**2,720**	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-5	08/20/02	--	--	--	--	--	**774**	<500	<0.50	<2.0	<1.0	1.6	<20
MW-5	10/29/02	--	--	--	--	--	**2,580**	<500	<0.50	<2.0	<1.0	<1.5	56
MW-5	02/19/03	--	--	--	--	--	**1,510**	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-5	06/05/03	--	--	--	--	--	**596**	<500	<0.50	<2.0	<1.0	<1.5	28
MW-5	09/09/03	--	--	--	--	--	--	--	<0.50	<2.0	<1.0	<1.5	40
MW-5	12/10/03	--	--	--	--	--	**5,040**	**800**	<0.50	<2.0	<1.0	<1.5	<20
MW-5	06/03/04	--	--	--	--	--	360	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-5	12/01/04	--	--	--	--	--	**4,600**	<500	1.8	<2.0	<1.0	<1.5	28
MW-5	06/03/05	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-5	11/21/05	--	--	--	--	--	**2,150**	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-5	06/15/06	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-5	12/19/06	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-5	05/30/07	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-5	10/30/07	--	--	--	--	250	**2,500**	<94	<0.50	<0.70	<0.80	<0.80	<1.0
MW-5	06/24/08	--	--	--	--	<50	170	<94	<0.50	<0.70	<0.80	<0.80	<1.0
MW-5	12/03/08	--	--	--	--	240	73	<68	<0.50	<0.70	<0.80	<0.80	<1.0
MW-5	06/03/09	--	--	--	--	<13	<36	<59	<0.12	<0.21	<0.20	<0.15	----
MW-5	11/10/09	--	--	--	--	<50	315	<381	<1.0	<1.0	<1.0	<3.0	<1.0
MW-5	02/02/10	--	--	--	--	<50	81	<388	<1.0	<1.0	<1.0	<3.0	<1.0
MW-5	05/18/10	--	--	--	--	<50	126	<396	<1.0	<1.0	<1.0	<3.0	<1.0
MW-5	08/09/10	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/01/10	--	--	--	--	<50	<78	<388	<1.0	<1.0	<1.0	<3.0	--
MW-5	02/02/11	--	--	--	--	<50	<78	<388	<1.0	<1.0	<1.0	<3.0	--
MW-5	04/26/11	--	--	--	--	<50	<77	<385	<1.0	<1.0	<1.0	<3.0	--
MW-5	07/12/11	--	--	--	--	<50	<78	<392	<1.0 UJ	<1.0 UJ	<1.0 UJ	<3.0 UJ	--
MW-5	10/27/11	--	--	--	--	<50	**990**	<400	<1.0	<1.0	<1.0	<3.0	--
MW-5	07/02/12	2,354.81	4.73	--	2350.08	<50	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0
MW-5	10/09/12	2,354.81	5.06	--	2349.75	<50	<170	<830	<1.0	<1.0	<1.0	<3.0	<1.0
MW-5	03/13/13	2,354.81	4.51	--	2350.30	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<4.0

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-5	05/15/13	2,354.81	5.01	--	2349.80	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	<4.0
MW-5	08/06/13	2,354.81	4.67	--	2350.44	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-5	10/09/13	2355.11	5.05	--	2350.06	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	<4.0
MW-5	03/11/14	2355.11	3.40	--	2351.71	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-5	06/03/14	2355.11	5.05	--	2350.06	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<4.0
MW-5	04/03/17	2355.11	3.95	--	2351.16	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	<1.0
MW-5	09/14/17	2355.11	4.89	--	2350.22	<250	<100	<260	<1	<1	<1	<1	<4
MW-5	03/21/18	2355.11	4.39	--	2350.72	--	--	--	--	--	--	--	--
MW-5	06/21/18	2355.11	4.84	--	2350.27	--	--	--	--	--	--	--	--
MW-5	09/21/18	2355.11	4.97	--	2350.14	--	--	--	--	--	--	--	--
MW-5	12/06/18	2355.11	4.55	--	2350.56	--	--	--	--	--	--	--	--
MW-5	03/06/19	2355.11	--	--	--	--	--	--	--	--	--	--	--
MW-5	05/21/19	2355.11	4.47	--	2350.64	--	--	--	--	--	--	--	--
MW-5	08/21/19	2355.11	4.66	--	2350.45	--	--	--	--	--	--	--	--
MW-5	10/30/19	2355.11	4.69	--	2350.42	--	--	--	--	--	--	--	--
MW-5	03/05/20	2355.11	4.62	--	2350.49	--	--	--	--	--	--	--	--
MW-5	06/03/20	2355.11	4.44	--	2350.67	--	--	--	--	--	--	--	--
MW-5	09/03/20	2355.11	4.72	--	2350.39	--	--	--	--	--	--	--	--
MW-5	11/16/21	2355.11	4.45	--	2350.66	--	--	--	--	--	--	--	--
MW-5	04/20/22	2355.11	4.62	--	2350.49	--	--	--	--	--	--	--	--
MW-5	12/07/22	2355.11	4.28	--	2350.83	--	--	--	--	--	--	--	--
MW-5	06/08/23	2355.11	3.96	--	2351.15	--	--	--	--	--	--	--	--
MW-5	11/15/23	2355.11	4.54	--	2350.57	--	--	--	--	--	--	--	--
MW-10	10/30/19	2354.38	Dry	--	--	--	--	--	--	--	--	--	--
MW-10	03/05/20	2354.38	Dry	--	--	--	--	--	--	--	--	--	--
MW-10	06/03/20	2354.38	Dry	--	--	--	--	--	--	--	--	--	--
MW-10	09/03/20	2354.38	Dry	--	--	--	--	--	--	--	--	--	--
MW-10	03/31/21	2354.38	Dry	--	--	--	--	--	--	--	--	--	--
MW-10	11/16/21	2354.38	Dry	--	--	--	--	--	--	--	--	--	--
MW-10	04/20/22	2354.38	--	--	--	--	--	--	--	--	--	--	--
MW-10	12/07/22	2354.38	--	--	--	--	--	--	--	--	--	--	--
MW-10	06/08/23	2354.38	14.92	--	2339.46	--	--	--	--	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-10	11/15/23	2354.38	Dry	--	--	--	--	--	--	--	--	--	--
MW-11	10/30/19	--	Dry	--	--	--	--	--	--	--	--	--	--
MW-11	03/05/20	2354.19	11.73	--	2342.46	<250	<100	<260	<1	<1	<1	<6	--
MW-11	06/03/20	2354.19	12.00	--	2342.19	26 J	71 J	<260	<1.0	<1.0	<1.0	<6.0	--
MW-11	09/03/20	2354.19	Dry	--	--	--	--	--	--	--	--	--	--
MW-11	03/31/21	2354.19	Dry	--	--	--	--	--	--	--	--	--	--
MW-11	11/16/21	2354.19	Dry	--	--	--	--	--	--	--	--	--	--
MW-11	04/20/22	2354.19	12.57	--	2341.62	<250	<100	<250	<1.0	<1.0	<1.0	<1.0	--
MW-11	12/07/22	2354.19	--	--	--	--	--	--	--	--	--	--	--
MW-11	06/08/23	2354.19	13.75	--	2340.44	--	--	--	--	--	--	--	--
MW-11	11/15/23	2354.19	Dry	--	--	--	--	--	--	--	--	--	--
MW-13	04/20/22	2,352.60	--	--	--	<250	<100	<250	<1.0	<1.0	<1.0	<1.0	--
MW-13	12/07/22	2352.60	4.35	--	2348.25	<250	<120	<290	<1.0	<1.0	<1.0	<1.0	--
MW-13	06/08/23	2352.60	3.82	--	2348.78	<100	<94	<94	<0.50	<1.0	<1.0	<2.0	--
MW-13	11/15/23	2352.60	3.30	--	2349.30	<100	<100	<100	<0.50	<1.0	<1.0	<2.0	--
Deep													
MW-1	08/20/01	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	03/25/02	--	--	--	--	--	274	<750	<0.50	<2.0	<1.0	<1.5	<20
MW-1	06/04/02	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-1	08/20/02	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-1	10/29/02	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-1	02/19/03	--	--	--	--	--	**9,310**	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-1	02/19/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-1	06/05/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-1	09/09/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-1	12/10/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-1	06/03/04	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-1	12/01/04	--	--	--	--	--	<250	<500	3.6	<2.0	1.5	2.0	<20
MW-1	06/03/05	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-1	11/21/05	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	06/15/06	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-1	12/19/06	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	05/30/07	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-1	10/30/07	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	06/24/08	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/03/08	--	--	--	--	<50	<29	<68	<0.50	<0.7	<0.80	<0.80	<1.0
MW-1	06/03/09	--	--	--	--	<13	<35	<58	<0.12	<0.21	<0.20	<0.15	--
MW-1	11/10/09	--	--	--	--	<50	80	<383	<1.0M0	<1.0	<1.0	<3.0	<1.0
MW-1	02/02/10	--	--	--	--	<50	<77	<385	<1.0	<1.0	<1.0	<3.0	<1.0
MW-1	05/18/10	--	--	--	--	<50	<76	<379	<1.0	<1.0	<1.0	<3.0	<1.0
MW-1	08/09/10	--	--	--	--	<50	<78	<392	<1.0	<1.0	<1.0	<3.0	--
MW-1	11/01/10	--	--	--	--	<50	<78	<388	<1.0	<1.0	<1.0	<3.0	--
MW-1	02/02/11	--	--	--	--	<50	<77	<385	<1.0	<1.0	<1.0	<3.0	--
MW-1	04/26/11	--	--	--	--	<50	<78	<388	<1.0	<1.0	<1.0	<3.0	--
MW-1	07/12/11	--	--	--	--	<50	<78	<392	<1.0	<1.0	<1.0	<3.0	--
MW-1	10/27/11	--	--	--	--	<50	<78	<390	<1.0	< 1.0	<1.0	<3.0	--
MW-1	10/27/11	--	--	--	--	<50	<78	<390	<1.0	<1.0	<1.0	<3.0	--
MW-1	07/02/12	2,354.55	31.90	--	2322.65	<50	<86	<430	<1.0	<1.0	<1.0	<3.0	<1.0
MW-1	07/02/12	--	--	--	--	<50	<82	<410	<1.0	<1.0	<1.0	<3.0	<1.0
MW-1	10/10/12	2,354.55	36.02	--	2318.53	<50	<160	<810	<1.0	<1.0	<1.0	<3.0	<1.0
MW-1	10/10/12	--	--	--	--	<50	<160	<800	<1.0	<1.0	<1.0	<3.0	<1.0
MW-1	03/13/13	--	--	--	--	<100	<460	<460	<1.0	<1.0	<1.0	<3.0	<4.0
MW-1	05/15/13	2,354.55	32.62	--	2321.93	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<4.0
MW-1	05/15/13	--	--	--	--	<100	<390	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-1	08/06/13	2,354.55	34.22	--	2320.38	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	<4.0
MW-1	08/06/13	--	--	--	--	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<4.0
MW-1	10/11/13	2,354.60	35.79	--	2318.81	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<4.0
MW-1	10/11/13	--	--	--	--	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<4.0
MW-1	03/11/14	2,354.60	35.45	--	2319.15	<100	<400	500	<1.0	<1.0	<1.0	<3.0	<4.0
MW-1	06/03/14	2,354.60	33.90	--	2320.70	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-1	06/03/14	--	--	--	--	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-1	04/06/17	2,354.60	27.10	--	2327.50	<50	<29	<68	<0.5	<0.5	<0.5	<0.5	<1.0

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-1	09/14/17	2,354.60	33.15	--	2,321.45	<250	<110	<270	<1	<1	<1	<1	<4
MW-1	03/21/18	2354.60	29.56	--	2325.04	--	--	--	--	--	--	--	--
MW-1	06/21/18	2354.60	30.57	--	2324.03	--	--	--	--	--	--	--	--
MW-1	09/21/18	2354.60	33.80	--	2320.80	--	--	--	--	--	--	--	--
MW-1	12/06/18	2354.60	35.37	--	2319.23	--	--	--	--	--	--	--	--
MW-1	03/06/19	2354.60	32.63	--	2321.97	--	--	--	--	--	--	--	--
MW-1	05/21/19	2354.60	30.75	--	2323.85	--	--	--	--	--	--	--	--
MW-1	08/21/19	2354.60	33.25	--	2321.35	--	--	--	--	--	--	--	--
MW-1	10/30/19	2354.60	34.69	--	2319.91	--	--	--	--	--	--	--	--
MW-1	03/05/20	2354.60	31.13	--	2323.47	--	--	--	--	--	--	--	--
MW-1	06/03/20	2354.60	31.99	--	2322.61	--	--	--	--	--	--	--	--
MW-1	09/03/20	2354.60	33.80	--	2320.80	--	--	--	--	--	--	--	--
MW-1	11/16/21	2354.60	36.52	--	2318.08	--	--	--	--	--	--	--	--
MW-1	04/20/22	2354.60	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/07/22	2354.60	36.79	--	2317.81	--	--	--	--	--	--	--	--
MW-1	06/08/23	2354.60	34.92	--	2319.68	--	--	--	--	--	--	--	--
MW-1	11/15/23	2354.60	35.24	--	2319.36	--	--	--	--	--	--	--	--
MW-5D	10/11/13	2,355.03	35.57	--	2319.46	614	**1,100**	<450	<1.0	<1.0	<1.0	<3.0	<4.0
MW-5D	03/11/14	2,355.03	35.48	--	2319.55	<100	<400	**700**	<1.0	<1.0	<1.0	<3.0	<4.0
MW-5D	06/03/14	2,355.03	33.73	--	2321.30	128	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-5D	09/14/17	2,355.03	32.48	--	2,322.55	<250	**560**	<250	<1	<1	<1	<1	<4
MW-5D	03/21/18	2355.03	29.02	--	2326.01	69 J	370	<260	--	--	--	--	--
MW-5D	03/21/18	2355.03	29.02	--	2326.01	57 J	**1,600** *	**2,400** *	--	--	--	--	--
MW-5D	06/21/18	2355.03	30.01	--	2325.02	<250	**670**	<260	--	--	--	--	--
MW-5D	09/21/18	2355.03	33.51	--	2321.52	81 J	160	<280	--	--	--	--	--
MW-5D	09/21/18	2355.03	33.51	--	2321.52	<250	220	<270	--	--	--	--	--
MW-5D	12/06/18	2355.03	35.21	--	2319.82	<250	72 J	<260	--	--	--	--	--
MW-5D	03/06/19	2355.03	32.46	--	2322.57	<250	110	<260	--	--	--	--	--
MW-5D	05/21/19	2355.03	30.46	--	2324.57	--	--	--	--	--	--	--	--
MW-5D	08/21/19	2355.03	32.94	--	2322.09	<250	220	<260	--	--	--	--	--
MW-5D	08/21/19	2355.03	32.94	--	2322.09	<250	250	<260	--	--	--	--	--
MW-5D	10/30/19	2355.03	34.50	--	2320.53	<250	130	<270	--	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-5D	03/05/20	2355.03	30.94	--	2324.09	<250	78 J	<260	<1	<1	<1	<6	--
MW-5D	06/03/20	2355.03	31.80	--	2323.23	<250	390	120 J	<1.0	<1.0	<1.0	<6.0	--
MW-5D	09/03/20	2355.03	33.52	--	2321.51	45 J	250	<260	<1.0	<1.0	<1.0	<6.0	--
MW-5D Dup	09/03/20	2355.03	33.52	--	2321.51	33 J	240	<270	<1.0	<1.0	<1.0	<6.0	--
MW-5D	03/31/21	2355.03	32.21	--	2322.82	<250	290	<260	<1.0	<1.0	<1.0	<6.0	--
MW-5D Dup	03/31/21	2355.03	32.21	--	2322.82	<250	230	<250	<1.0	<1.0	<1.0	<6.0	--
MW-5D	11/16/21	2355.03	36.54	--	2318.49	<250	<110	<270	<1.0	<1.0	<1.0	<1.0	--
MW-5D	04/20/22	2355.03	32.17	--	2322.86	<250	130	<250	<1.0	<1.0	<1.0	<1.0	--
MW-5D	12/07/22	2355.03	36.70	--	2318.33	<250	<110	<270	<1.0	<1.0	<1.0	<1.0	--
MW-5D	06/08/23	2355.03	31.53	--	2323.50	<100	<96	<96	<0.50	<1.0	<1.0	<2.0	--
MW-5D	11/15/23	2355.03	35.18	--	2319.85	<100	110	<100	<0.50	<1.0	<1.0	<2.0	--
MW-6	08/20/01	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	03/25/02	--	--	--	--	--	<250	<750	<0.50	<2.0	<1.0	<1.5	<20
MW-6	06/04/02	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-6	08/20/02	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-6	10/29/02	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-6	02/19/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-6	06/05/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-6	09/09/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-6	12/10/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-6	06/03/04	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/01/04	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	06/03/05	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-6	11/21/05	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	06/15/06	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-6	12/19/06	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	05/30/07	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-6	10/30/07	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	06/24/08	--	--	--	--	<50	<75	<94	<0.50	<0.70	<0.80	<0.80	<1.0
MW-6	12/03/08	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	06/03/09	--	--	--	--	<13	<35	<58	<0.12	<0.21	<0.20	<0.15	--
MW-6	11/10/09	--	--	--	--	<50	135	<396	<1.0	<1.0	<1.0	<3.0	<1.0

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-6	02/02/10	--	--	--	--	<50	<78	<392	<1.0	<1.0	<1.0	<3.0	<1.0
MW-6	05/18/10	--	--	--	--	<50	<78	<388	<1.0	<1.0	<1.0	<3.0	<1.0
MW-6	08/09/10	--	--	--	--	<50	<78	<392	<1.0	<1.0	<1.0	<3.0	--
MW-6	11/01/10	--	--	--	--	<50	<78	<388	<1.0	<1.0	<1.0	<3.0	--
MW-6	02/02/11	--	--	--	--	<50	<78	<392	<1.0	<1.0	<1.0	<3.0	--
MW-6	04/26/11	--	--	--	--	<50	<78	<388	<1.0	<1.0	<1.0	<3.0	--
MW-6	07/12/11	--	--	--	--	<50	<78	<392	<1.0	<1.0	<1.0	<3.0	--
MW-6	10/27/11	--	--	--	--	<50	<78	<390	<1.0	<1.0	<1.0	<3.0	--
MW-6	07/02/12	2,355.87	32.83	--	2323.04	<50	<82	<410	<1.0	<1.0	<1.0	<3.0	<1.0
MW-6	10/09/12	2,355.87	35.71	--	2320.16	<50	<160	<800	<1.0	<1.0	<1.0	<3.0	<1.0
MW-6	03/13/13	2,355.87	32.45	--	2323.42	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<4.0
MW-6	05/15/13	2,355.87	33.07	--	2322.80	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<4.0 UJ
MW-6	08/06/13	2,355.87	34.91	--	2321.02	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	<4.0
MW-6	10/11/13	2,355.93	38.50	--	2317.43	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	<4.0
MW-6	03/11/14	2,355.93	36.59	--	2319.34	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-6	06/03/14	2,355.93	34.65	--	2321.28	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-6	04/03/17	2,355.93	27.98	--	2327.95	<50	<30	<70	<0.5	<0..5	<0.5	<0.5	<1.0
MW-6	09/14/17	2,355.93	33.26	--	2,322.67	<250	<110	<260	<1	<1	<1	<1	<4
MW-6	03/21/18	2355.93	30.08	--	2325.85	--	--	--	--	--	--	--	--
MW-6	06/21/18	2355.93	30.93	--	2325.00	--	--	--	--	--	--	--	--
MW-6	09/21/18	2355.93	34.40	--	2321.53	--	--	--	--	--	--	--	--
MW-6	12/06/18	2355.93	36.13	--	2319.80	--	--	--	--	--	--	--	--
MW-6	03/06/19	2355.93	33.36	--	2322.57	--	--	--	--	--	--	--	--
MW-6	05/21/19	2355.93	31.18	--	2324.75	--	--	--	--	--	--	--	--
MW-6	08/21/19	2355.93	33.84	--	2322.09	--	--	--	--	--	--	--	--
MW-6	10/30/19	2355.93	35.45	--	2320.48	--	--	--	--	--	--	--	--
MW-6	03/05/20	2355.93	31.70	--	2324.23	--	--	--	--	--	--	--	--
MW-6	06/03/20	2355.93	32.64	--	2323.29	--	--	--	--	--	--	--	--
MW-6	09/03/20	2355.93	34.43	--	2321.50	--	--	--	--	--	--	--	--
MW-6	11/16/21	2355.93	37.31	--	2318.62	--	--	--	--	--	--	--	--
MW-6	04/20/22	2355.93	33.06	--	2322.87	--	--	--	--	--	--	--	--
MW-6	12/07/22	2355.93	37.14	--	2318.79	--	--	--	--	--	--	--	--
MW-6	06/08/23	2355.93	35.73	--	2320.20	--	--	--	--	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-6	11/15/23	2355.93	36.02	--	2319.91	--	--	--	--	--	--	--	--
MW-7	08/20/01	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	03/25/02	--	--	--	--	--	**6,280**	<750	<0.50	<2.0	<1.0	25	154
MW-7	06/04/02	--	--	--	--	--	**13,100**	<500	<0.50	<2.0	<1.0	**14**	**221**
MW-7	08/21/02	--	--	--	--	--	**6,850**	<500	<0.50	<2.0	<1.0	<1.5	65
MW-7	08/21/02	--	--	--	--	--	**6,100**	<500	0.82	4.0	1.9	13	92
MW-7	10/29/02	--	--	--	--	--	**5,460**	<500	0.70	<2.0	<1.0	**9**	**172**
MW-7	02/19/03	--	--	--	--	--	**7,390**	<500	<0.50	<2.0	<1.0	6	<20
MW-7	06/05/03	--	--	--	--	--	**770**	<500	0.99	<2.0	<1.0	<1.5	<20
MW-7	09/09/03	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	09/11/03	--	--	--	--	--	**1,250**	<500	<0.50	<2.0	4.7	30	81
MW-7	12/10/03	--	--	--	--	--	**7,120**	<500	<0.50	<2.0	1.2	15	114
MW-7	06/03/04	--	--	--	--	--	**1,000**	<500	<0.50	<2.0	<1.0	<1.5	48
MW-7	12/01/04	--	--	--	--	--	**1540**	<500	<0.50	<2.0	<1.0	<1.5	21
MW-7	06/03/05	--	--	--	--	--	**830**	<500	<0.50	<2.0	<1.0	<1.5	24
MW-7	11/21/05	--	--	--	--	--	**2,970**	<500	<0.50	<2.0	<1.0	<1.5	48
MW-7	06/15/06	--	--	--	--	--	**1,410**	<500	<0.50	<2.0	<1.0	<1.5	23
MW-7	12/19/06	--	--	--	--	--	**1,300**	<500	<0.50	6.42	2.74	9.43	24
MW-7	05/30/07	--	--	--	--	--	**961**	<500	0.71	<2.0	<1.0	<1.5	<20
MW-7	10/30/07	--	--	--	--	**2,700**	**14,000**	<4,700	<0.50	<0.70	<0.80	<0.80	<1.0
MW-7	06/24/08	--	--	--	--	**1,600**	**1,200**	<95	<0.50	<0.70	<0.80	<0.80	<1.0
MW-7	12/04/08	--	--	--	--	**1,400**	<29	<68	<0.50	<0.70	<0.80	<0.80	<1.0
MW-7	06/04/09	--	--	--	--	155	**560**	<58	<0.12	<0.21	<0.20	<0.15	--
MW-7	11/10/09	--	--	--	--	577	**7,600**	<388	<1.0	<1.0	<1.0	<3.0	2.7
MW-7	02/02/10	--	--	--	--	214	**2,000**	<377	<1.0	<1.0	<1.0	<3.0	2.4
MW-7	05/18/10	--	--	--	--	717	**16,900**	<400	<1.0	<1.0	<1.0	<3.0	<1.0
MW-7	08/09/10	--	--	--	--	**928**	**22,100**	<388	<1.0	<1.0	<1.0	<3.0	--
MW-7	11/01/10	--	--	--	--	**3,130**	**28,300**	<388	<1.0	<1.0	<1.0	<3.0	--
MW-7	02/02/11	--	--	--	--	704	**10,700**	<392	<1.0	<1.0	<1.0	<3.0	--
MW-7	04/26/11	--	--	--	--	**5,710**	**3,690**	<400	<1.0	<1.0	<1.0	<3.0	--
MW-7	07/12/11	--	--	--	--	278	**2,540**	<392	<1.0	<1.0	<1.0	<3.0	--
MW-7	10/26/11	--	--	--	--	**2,420**	**37,200**	<380	<1.0	<1.0	<1.0	<3.0	--

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-7	07/02/12	2,356.25	31.84	--	2324.41	<50	78	<380	<1.0	<1.0	<1.0	<3.0	<1.0
MW-7	10/10/12	2,356.25	35.24	--	2321.01	207	350	<820	<1.0	<1.0	<1.0	<3.0	5.4
MW-7	03/13/13	2,356.25	31.94	--	2324.31	104	<440	<440	<1.0	<1.0	<1.0	<3.0	<4.0
MW-7	05/14/13	2,356.25	32.74	--	2323.51	< 100	<390	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-7	08/06/13	2,356.25	34.54	--	2321.77	250	<420	<420	<1.0	<1.0	<1.0	<3.0	<4.0
MW-7	10/12/13	2,356.31	36.11	--	2320.20	410	**600**	< 450	<1.0	<1.0	<1.0	<3.0	<4.0
MW-7	03/11/14	2,356.31	35.62	--	2320.69	448	**430**	**550**	<1.0	<1.0	<1.0	<3.0	<4.0
MW-7	06/04/14	2,356.31	34.37	--	2321.94	201	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-7	04/05/17	2,356.31	26.25	--	2330.06	ORC sock stuck in well - unable to sample				--	--	--	--
MW-7	09/14/17	2,356.31	33.17	--	2,323.14	ORC sock stuck in well - unable to sample				--	--	--	--
MW-7	03/21/18	2356.31	29.59	--	2326.72	ORC sock stuck in well - unable to sample				--	--	--	--
MW-7	06/21/18	2356.31	30.76	--	2325.55	ORC sock stuck in well - unable to sample				--	--	--	--
MW-7	09/21/18	2356.31	34.13	--	2322.18	ORC sock stuck in well - unable to sample				--	--	--	--
MW-7	12/06/18	2356.31	36.09	--	2320.22	--	--	--	--	--	--	--	--
MW-7	03/06/19	2356.31	33.05	--	2323.26	--	--	--	--	--	--	--	--
MW-7	05/21/19	2356.31	31.00	--	2325.31	--	--	--	--	--	--	--	--
MW-7	08/21/19	2356.31	33.67	--	2322.64	180 J	240	<310	--	--	--	--	--
MW-7	10/30/19	2356.31	35.36	--	2320.95	190 J	**1,000**	<260	--	--	--	--	--
MW-7	03/05/20	2356.31	31.54	--	2324.77	51 J	190	<270	<1	<1	<1	<6	--
MW-7	06/03/20	2356.31	32.67	--	2323.64	95 J	400	<300	<1.0	<1.0	<1.0	<6.0	--
MW-7	06/03/20	2356.31	32.67	--	2323.64	60 J	270	<250	<1.0	<1.0	<1.0	<6.0	--
MW-7	09/03/20	2356.31	34.33	--	2321.98	89 J	**570**	<270	<1.0	<1.0	<1.0	<6.0	--
MW-7	03/31/21	2356.31	32.98	--	2323.33	<250	110	<250	<1.0	<1.0	<1.0	<6.0	--
MW-7	11/16/21	2356.31	37.12	--	2319.19	<250	**530**	<260	<1.0	<1.0	<1.0	<1.0	--
MW-7Dup	11/16/21	2356.31	37.12	--	2319.19	<250	290	<250	<1.0	<1.0	<1.0	<1.0	--
MW-7	04/20/22	2356.31	32.78	--	2323.53	<250	140	<260	<1.0	<1.0	<1.0	<1.0	--
MW-7	12/07/22	2356.31	37.50	--	2318.81	<250	**630**	<300	<1.0	<1.0	<1.0	<1.0	--
MW-7	06/08/23	2356.31	32.17	--	2324.14	440	<100	<100	<0.50	<1.0	<1.0	<2.0	--
MW-7	11/15/23	2356.31	35.94	--	2320.37	<100	200	<100	<0.50	<1.0	<1.0	<2.0	--
MW-8	08/20/01	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	03/25/02	--	--	--	--	--	<250	<750	<0.50	<2.0	<1.0	<1.5	<20
MW-8	06/04/02	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-8	08/21/02	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-8	10/29/02	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-8	02/19/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-8	06/05/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-8	09/09/03	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	09/11/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-8	12/10/03	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-8	06/03/04	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/01/04	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	06/03/05	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-8	11/21/05	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	06/15/06	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-8	12/19/06	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	05/30/07	--	--	--	--	--	<250	<500	<0.50	<2.0	<1.0	<1.5	<20
MW-8	10/30/07	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	06/24/08	--	--	--	--	<50	<75	<94	<0.50	<0.70	<0.80	<0.80	<1.0
MW-8	12/04/08	--	--	--	--	<50	**35,000**	<3,500	<0.50	<0.70	<0.80	<0.80	<1.0
MW-8	06/04/09	--	--	--	--	<13.4	<36	<59	<0.12	<0.21	<0.20	<0.15	--
MW-8	11/10/09	--	--	--	--	<50	<79	<396	<1.0	<1.0	<1.0	<3.0	<1.0
MW-8	02/02/10	--	--	--	--	<50	<76	<381	<1.0	<1.0	<1.0	<3.0	<1.0
MW-8	05/18/10	--	--	--	--	<50	<78	<388	<1.0	<1.0	<1.0	<3.0	<1.0
MW-8	08/09/10	--	--	--	--	<50	<79	<396	<1.0	<1.0	<1.0	<3.0	--
MW-8	11/01/10	--	--	--	--	<50	<78	<388	<1.0	<1.0	<1.0	<3.0	--
MW-8	02/02/11	--	--	--	--	<50	<78	<388	<1.0	<1.0	<1.0	<3.0	--
MW-8	04/26/11	--	--	--	--	<50	<80	<400	<1.0	<1.0	<1.0	<3.0	--
MW-8	07/12/11	--	--	--	--	<50	<77	<385	<1.0	<1.0	<1.0	<3.0	--
MW-8	10/26/11	--	--	--	--	<50	<76	<380	<1.0	<1.0	<1.0	<3.0	--
MW-8	07/02/12	2,356.57	32.36	--	2324.21	<50	<86	<430	<1.0	<1.0	<1.0	<3.0	<1.0
MW-8	10/10/12	2,356.57	35.56	--	2321.01	<50	<170	<830	<1.0	<1.0	<1.0	<3.0	<1.0
MW-8	03/13/13	2,356.57	32.66	--	2323.91	<100	<440	<440	<1.0	<1.0	<1.0	<3.0	<4.0
MW-8	05/14/13	2,356.57	33.12	--	2323.45	<100	<390	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-8	08/06/13	2,356.57	34.83	--	2321.77	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<4.0
MW-8	10/12/13	2,356.60	36.36	--	2320.24	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<4.0

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
MW-8	03/11/14	2,356.60	36.98	--	2319.62	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-8	06/04/14	2,356.60	34.75	--	2321.85	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
MW-8	04/05/17	2,356.60	29.20	--	2327.40	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	<1.0
MW-8	09/14/17	2,356.60	33.04	--	2,323.56	<250	<100	<250	<1	<1	<1	<1	<4
MW-8	03/21/18	2356.60	30.79	--	2325.81	--	--	--	--	--	--	--	--
MW-8	06/21/18	2356.60	31.11	--	2325.49	--	--	--	--	--	--	--	--
MW-8	09/21/18	2356.60	34.24	--	2322.36	--	--	--	--	--	--	--	--
MW-8	12/06/18	2356.60	36.15	--	2320.45	--	--	--	--	--	--	--	--
MW-8	03/06/19	2356.60	33.58	--	2323.02	--	--	--	--	--	--	--	--
MW-8	05/21/19	2356.60	31.44	--	2325.16	--	--	--	--	--	--	--	--
MW-8	08/21/19	2356.60	33.42	--	2323.18	--	--	--	--	--	--	--	--
MW-8	10/30/19	2356.60	35.39	--	2321.21	--	--	--	--	--	--	--	--
MW-8	03/05/20	2356.60	31.98	--	2324.62	--	--	--	--	--	--	--	--
MW-8	06/03/20	2356.60	33.18	--	2323.42	--	--	--	--	--	--	--	--
MW-8	09/03/20	2356.60	35.20	--	2321.40	--	--	--	--	--	--	--	--
MW-8	11/16/21	2356.60	37.19	--	2319.41	--	--	--	--	--	--	--	--
MW-8	04/20/22	2356.60	33.16	--	2323.44	--	--	--	--	--	--	--	--
MW-8	12/07/22	2356.60	--	--	--	--	--	--	--	--	--	--	--
MW-8	06/08/23	2356.60	35.62	--	2320.98	--	--	--	--	--	--	--	--
MW-8	11/15/23	2356.60	35.24	--	2321.36	--	--	--	--	--	--	--	--
95-MW-11A						removed from sampling schedule due to well obstruction							
95-MW-11A	02/02/11	2,357.25	Obstruction in Well at 3.25 Feet				--	--	--	--	--	--	--
95-MW-11A	04/26/11	2,357.25	Obstruction in Well at 3.25 Feet				--	--	--	--	--	--	--
95-MW-11A	09/14/17	2,357.25	34.47	--	2,322.78	--	--	--	--	--	--	--	--
95-MW-11A	03/21/18	2357.25	30.76	--	2326.49	--	--	--	--	--	--	--	--
95-MW-11A	06/21/18	2357.25	31.98	--	2325.27	--	--	--	--	--	--	--	--
95-MW-11A	09/21/18	2357.25	35.48	--	2321.77	--	--	--	--	--	--	--	--
95-MW-11A	12/06/18	2357.25	37.18	--	2320.07	--	--	--	--	--	--	--	--
95-MW-11A	03/06/19	2357.25	34.11	--	2323.14	--	--	--	--	--	--	--	--
95-MW-11A	05/21/19	2357.25	32.07	--	2325.18	--	--	--	--	--	--	--	--
95-MW-11A	08/21/19	2357.25	34.87	--	2322.38	--	--	--	--	--	--	--	--
95-MW-11A	10/30/19	2357.25	36.47	--	2320.78	--	--	--	--	--	--	--	--

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
95-MW-11B	08/20/01	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	03/25/02	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	06/04/02	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	10/29/02	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	02/19/03	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	06/05/03	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	09/09/03	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	12/10/03	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	06/03/04	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	12/01/04	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	06/03/05	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	11/21/05	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	06/15/06	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	12/19/06	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	05/30/07	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	10/30/07	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	06/24/08	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	12/03/08	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-11B	06/03/09	--	--	--	--	<13	<35	<58	<0.12	<0.21	<0.20	<0.15	--
95-MW-11B	11/10/09	--	--	--	--	<50	144	<381	<1.0	<1.0	<1.0	<3.0	<1.0
95-MW-11B	02/02/10	--	--	--	--	<50	<76	<381	<1.0	<1.0	<1.0	<3.0	<1.0
95-MW-11B	05/18/10	--	--	--	--	<50	<77	<385	<1.0	<1.0	<1.0	<3.0	<1.0
95-MW-11B	08/09/10	--	--	--	--	<50	<78	<392	<1.0	<1.0	<1.0	<3.0	--
95-MW-11B	11/01/10	--	--	--	--	<50	<78	<388	<1.0	<1.0	<1.0	<3.0	--
95-MW-11B	02/02/11	--	--	--	--	<50	<79	<396	<1.0	<1.0	<1.0	<3.0	--
95-MW-11B	04/26/11	--	--	--	--	<50	<80	<400	<1.0	<1.0	<1.0	<3.0	--
95-MW-11B	07/12/11	--	--	--	--	<50	<78	<392	<1.0	<1.0	<1.0	<3.0	--
95-MW-11B	10/26/11	--	--	--	--	<50	<75	<380	<1.0	<1.0	<1.0	<3.0	--
95-MW-11B	07/02/12	2,357.78	33.82	--	2323.96	<50	<77	<380	<1.0	<1.0	<1.0	<3.0	<1.0
95-MW-11B	10/10/12	2,357.78	37.18	--	2320.60	<50	<160	<810	<1.0	<1.0	<1.0	<3.0	<1.0
95-MW-11B	03/13/13	2,357.78	33.67	--	2324.11	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<4.0
95-MW-11B	05/14/13	2,357.78	34.52	--	2323.26	<100	<450	<450	<1.0	<1.0	<1.0	<3.0	<4.0

Table 1

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
95-MW-11B	08/06/13	2,357.78	36.34	--	2321.51	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	<4.0
95-MW-11B	10/12/13	2,357.85	37.96	--	2319.89	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<4.0
95-MW-11B	03/12/14	2,357.85	38.10	--	2319.75	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
95-MW-11B	06/04/14	2,357.85	35.97	--	2321.88	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<4.0
95-MW-11B	04/05/17	2,357.85	28.38	--	2329.47	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	<1.0
95-MW-11B	09/14/17	2,357.85	34.78	--	2,323.07	<250	<110	<260	<1	<1	<1	<1	<4
95-MW-11B	03/21/18	2357.85	31.19	--	2326.66	--	--	--	--	--	--	--	--
95-MW-11B	06/21/18	2357.85	32.27	--	2325.58	--	--	--	--	--	--	--	--
95-MW-11B	09/21/18	2357.85	34.76	--	2323.09	--	--	--	--	--	--	--	--
95-MW-11B	12/06/18	2356.71	36.51	--	2320.20	--	--	--	--	--	--	--	--
95-MW-11B	03/06/19	2356.71	33.42	--	2323.29	--	--	--	--	--	--	--	--
95-MW-11B	05/21/19	2356.71	31.40	--	2325.31	--	--	--	--	--	--	--	--
95-MW-11B	08/21/19	2356.71	34.13	--	2322.58	--	--	--	--	--	--	--	--
95-MW-11B	10/30/19	2356.71	35.92	--	2320.79	--	--	--	--	--	--	--	--
MW-12	10/30/19	--	34.46	--	--	--	--	--	--	--	--	--	--
MW-12	03/05/20	2354.82	10.30	--	2344.52	<250	<100	<260	<1	<1	<1	<6	--
MW-12	06/03/20	2354.82	31.94	--	2322.88	<250	<110	<270	<1.0	<1.0	<1.0	<6.0	--
MW-12	09/03/20	2354.82	33.57	--	2321.25	24 J	<110	<290	<1.0	<1.0	<1.0	<6.0	--
MW-12	03/31/21	2354.82	32.18	--	2322.64	<250	<100	<260	<1.0	<1.0	<1.0	<6.0	--
MW-12	11/16/21	2354.82	36.43	--	2318.39	<250	<100	<250	<1.0	<1.0	<1.0	<1.0	--
MW-12	04/20/22	2354.82	32.19	--	2322.63	<250	<100	<260	<1.0	<1.0	<1.0	<1.0	--
MW-12 Dup	04/20/22	2354.82	32.19	--	2322.63	<250	<100	<260	<1.0	<1.0	<1.0	<1.0	--
MW-12	12/07/22	2354.82	36.68	--	2318.14	<250	<110	<280	<1.0	<1.0	<1.0	<1.0	--
MW-12	06/08/23	2354.82	32.07	--	2322.75	<100	<98	<98	<0.50	<1.0	<1.0	<2.0	--
MW-12	11/15/23	2354.82	35.30	--	2319.52	<100	<100	<100	<0.50	<1.0	<1.0	<2.0	--
95-MW-12A	08/20/01	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	03/25/02	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	06/04/02	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	10/29/02	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	02/19/03	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	06/05/03	--	--	--	--	--	--	--	--	--	--	--	--

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
95-MW-12A	09/09/03	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	12/10/03	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	06/03/04	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	12/01/04	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	06/03/05	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	11/21/05	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	06/15/06	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	12/19/06	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	05/30/07	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	10/30/07	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	06/24/08	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	12/03/08	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12A	06/03/09	--	--	--	--	<13	<35	<58	<0.12	<0.21	<0.20	<0.15	--
95-MW-12A	07/02/12	2,355.12	31.23	--	2323.89	--	--	--	--	--	--	--	--
95-MW-12A	10/09/12	2,355.12	34.66	--	2320.46	--	--	--	--	--	--	--	--
95-MW-12A	03/12/13	2,355.12	30.97	--	2324.15	--	--	--	--	--	--	--	--
95-MW-12A	05/14/13	2,355.12	32.00	--	2323.12	--	--	--	--	--	--	--	--
95-MW-12A	08/05/13	2,355.12	33.74	--	2321.48	--	--	--	--	--	--	--	--
95-MW-12A	10/18/13	2,355.22	35.36	--	2319.86	--	--	--	--	--	--	--	--
95-MW-12A	03/11/14	2,355.22	35.02	--	2320.20	--	--	--	--	--	--	--	--
95-MW-12A	06/02/14	2,355.22	33.38	--	2321.84	--	--	--	--	--	--	--	--
95-MW-12A	04/03/17	2,355.22	25.76	--	2329.46	--	--	--	--	--	--	--	--
95-MW-12A	09/14/17	2,355.22	32.27	--	2,322.95	--	--	--	--	--	--	--	--
95-MW-12A	03/21/18	2355.22	23.53	--	2331.69	--	--	--	--	--	--	--	--
95-MW-12A	06/21/18	2355.22	29.80	--	2325.42	--	--	--	--	--	--	--	--
95-MW-12A	09/21/18	2355.22	33.28	--	2321.94	--	--	--	--	--	--	--	--
95-MW-12A	12/06/18	2355.22	34.91	--	2320.31	--	--	--	--	--	--	--	--
95-MW-12A	03/06/19	2355.22	31.85	--	2323.37	--	--	--	--	--	--	--	--
95-MW-12A	05/21/19	2355.22	29.86	--	2325.36	--	--	--	--	--	--	--	--
95-MW-12A	08/21/19	2355.22	32.66	--	2322.56	--	--	--	--	--	--	--	--
95-MW-12A	10/30/19	2355.22	34.36	--	2320.86	--	--	--	--	--	--	--	--
95-MW-12B	08/20/01	--	--	--	--	--	--	--	--	--	--	--	--

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
95-MW-12B	03/25/02	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	06/04/02	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	10/29/02	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	02/19/03	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	06/05/03	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	09/09/03	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	12/10/03	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	06/03/04	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	12/01/04	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	06/03/05	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	11/21/05	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	06/15/06	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	12/19/06	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	05/30/07	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	10/30/07	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	06/24/08	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	12/03/08	--	--	--	--	--	--	--	--	--	--	--	--
95-MW-12B	06/03/09	--	--	--	--	<13	<35	<58	<0.12	<0.21	<0.20	<0.15	--
95-MW-12B	07/02/12	2,355.02	30.85	--	2324.17	--	--	--	--	--	--	--	--
95-MW-12B	10/09/12	2,355.02	34.24	--	2320.78	--	--	--	--	--	--	--	--
95-MW-12B	03/12/13	2,355.02	30.72	--	2324.30	--	--	--	--	--	--	--	--
95-MW-12B	05/14/13	2,355.02	31.56	--	2323.46	--	--	--	--	--	--	--	--
95-MW-12B	08/05/13	2,355.02	33.36	--	2321.73	--	--	--	--	--	--	--	--
95-MW-12B	10/18/13	2,355.09	35.00	--	2320.09	--	--	--	--	--	--	--	--
95-MW-12B	03/11/14	2,355.09	34.99	--	2320.10	--	--	--	--	--	--	--	--
95-MW-12B	06/02/14	2,355.09	33.03	--	2322.06	--	--	--	--	--	--	--	--
95-MW-12B	04/03/17	2,355.09	26.35	--	2328.74	--	--	--	--	--	--	--	--
95-MW-12B	09/14/17	2,355.09	31.76	--	2,323.33	--	--	--	--	--	--	--	--
95-MW-12B	03/21/18	2355.09	28.18	--	2327.91	--	--	--	--	--	--	--	--
95-MW-12B	06/21/18	2355.09	29.22	--	2325.87	--	--	--	--	--	--	--	--
95-MW-12B	09/21/18	2355.09	32.81	--	2322.28	--	--	--	--	--	--	--	--
95-MW-12B	12/06/18	2355.09	34.55	--	2320.54	--	--	--	--	--	--	--	--
95-MW-12B	03/06/19	2355.09	32.62	--	2322.47	--	--	--	--	--	--	--	--

Summary of Groundwater Monitoring Data

P66 6680 Geiger Correctional Facility
Spokane, Washington

						HYDROCARBONS			*PRIMARY VOCs*				
Sample ID	*Date*	*TOC*	*DTW*	*SPH*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*Naphalene*
		MTCA Method A Screening Levels				800 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	160 ug/L
95-MW-12B	05/21/19	2355.09	29.45	--	2325.64	--	--	--	--	--	--	--	--
95-MW-12B	08/21/19	2355.09	32.15	--	2322.94	--	--	--	--	--	--	--	--
95-MW-12B	10/30/19	2355.09	33.87	--	2321.22	--	--	--	--	--	--	--	--

Notes:

MTCA = Department of Ecology Model Toxics Control Act

DTW = Depth to Water in feet

GWE = Groundwater Elevation in feet above mean sea level; before August 13, 2009, relative to arbitrary benchmarks

TOC = Top of Casing in feet above mean sea level; before August 13, 2009, relative to arbitrary benchmarks

All results are in micrograms per liter (µg/L) unless otherwise indicated

TPHg = Total petroleum hydrocarbons as gasoline analyzed by Northwest Method NWTPH-Gx.

TPHd = Total petroleum hydrocarbons as diesel analyzed by Northwest Method NWTPH-Dx.

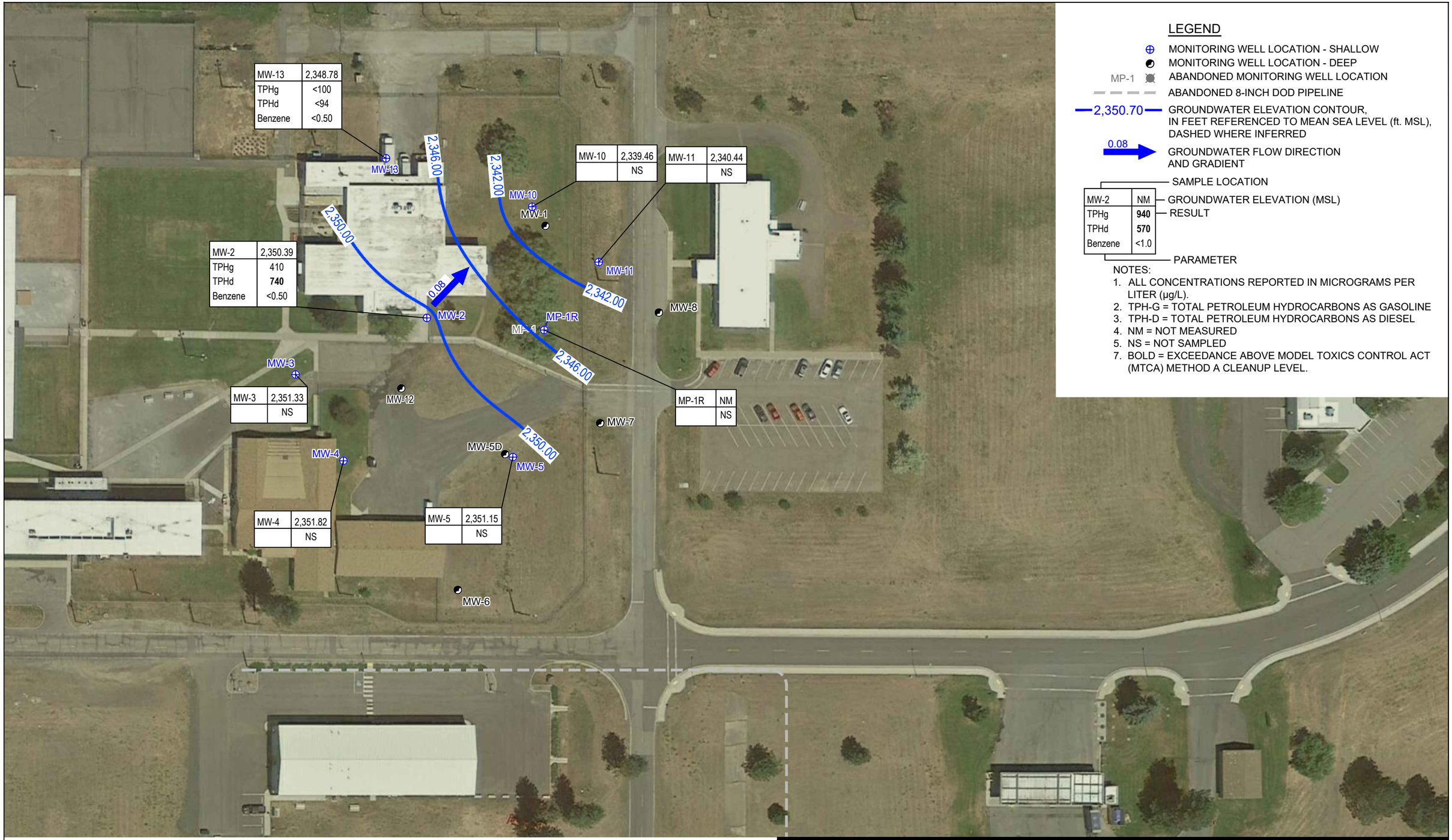
TPHo = Total petroleum hydrocarbons as oil analyzed by Northwest Method NWTPH-Dx.

VOCs = Volatile organic compounds

BTEX = Benzene, toluene, ethylbenzene, and total xylenes (o- + m,p) analyzed by EPA Method 8260B unless otherwise noted.

J = Concentration is between the method detection limit (MDL) and the limit of quantitation (LOQ) and is therefore estimated.

Figures



LEGEND

- MONITORING WELL LOCATION - SHALLOW
- MONITORING WELL LOCATION - DEEP
- MP-1 — ABANDONED MONITORING WELL LOCATION
- ABANDONED 8-INCH DOD PIPELINE
- 2,350.70 — GROUNDWATER ELEVATION CONTOUR, IN FEET REFERENCED TO MEAN SEA LEVEL (ft. MSL), DASHED WHERE INFERRED
- 0.08 — GROUNDWATER FLOW DIRECTION AND GRADIENT

MW-2	NM
TPHg	**940**
TPHd	**570**
Benzene	<1.0

SAMPLE LOCATION; GROUNDWATER ELEVATION (MSL); RESULT; PARAMETER

NOTES:
1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).
2. TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
3. TPH-D = TOTAL PETROLEUM HYDROCARBONS AS DIESEL
4. NM = NOT MEASURED
5. NS = NOT SAMPLED
7. BOLD = EXCEEDANCE ABOVE MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL.

0 40 80 ft
1" = 80 ft

Coordinate System:
WASHINGTON NORTH
STATE PLANE NAD83 FEET

N

GHD

PHILLIPS 66 FACILITY NO. 6880
GEIGER CORRECTIONS FACILITY
SPOKANE, WASHINGTON

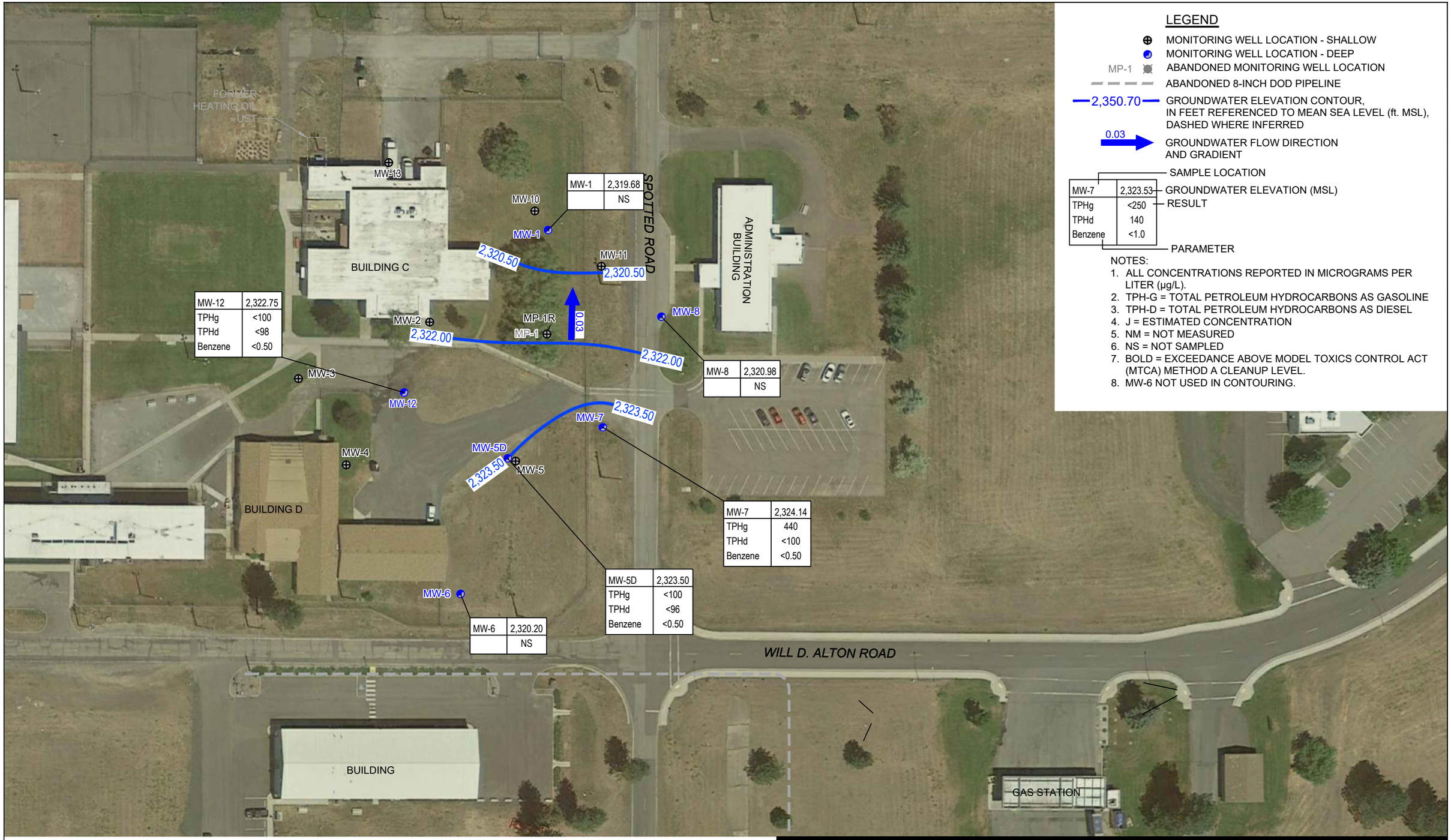
GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP SHALLOW ZONE - JUNE 8, 2023

Project No. **12622473**
Date **October 2023**

FIGURE 1A

Filename: N:\US\Portland\Projects\561\12622473\Digital_Design\ACAD\Figures\LTR001\12622473-GHD-00-00-LTR-EN-D101_SO-001.dwg
Plot Date: 24 October 2023 8:56 AM

Data Source: Microsoft Product Screen Shot(s) Reprinted with permission from Microsoft Corporation, Acquisition Date Jun/2015 - Sep/2016, Accessed: 2017. Google ©2017 Image. AECOM SITE PLAN & WELL LOCATIONS DATED 2/7/14. MAXIM Technologies, Inc. Figures 3 & 4 dated July 2001. AECOM Soil Analytical Results 2/7/14. StateWide Land Surveying Inc. reports dated 12/23/19 and 4/20/2022. Department of Ecology State of Washington EIM Online Map Search Lat/Long Coordiinates (VCPEA0263 EMILocation.xlsx).



LEGEND

- MONITORING WELL LOCATION - SHALLOW
- MONITORING WELL LOCATION - DEEP
- MP-1 ABANDONED MONITORING WELL LOCATION
- ABANDONED 8-INCH DOD PIPELINE
- 2,350.70 GROUNDWATER ELEVATION CONTOUR, IN FEET REFERENCED TO MEAN SEA LEVEL (ft. MSL), DASHED WHERE INFERRED
- 0.03 GROUNDWATER FLOW DIRECTION AND GRADIENT

MW-7	2,323.53
TPHg	<250
TPHd	140
Benzene	<1.0

SAMPLE LOCATION; GROUNDWATER ELEVATION (MSL); RESULT; PARAMETER

NOTES:
1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).
2. TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
3. TPH-D = TOTAL PETROLEUM HYDROCARBONS AS DIESEL
4. J = ESTIMATED CONCENTRATION
5. NM = NOT MEASURED
6. NS = NOT SAMPLED
7. BOLD = EXCEEDANCE ABOVE MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL.
8. MW-6 NOT USED IN CONTOURING.

0 40 80 ft
1" = 80 ft

Coordinate System:
WASHINGTON NORTH
STATE PLANE NAD83 FEET

N

GHD

PHILLIPS 66 FACILITY NO. 6880
GEIGER CORRECTIONS FACILITY
SPOKANE, WASHINGTON

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP DEEP ZONE - JUNE 8, 2023

Project No. **12622473**
Date **October 2023**

FIGURE 1B

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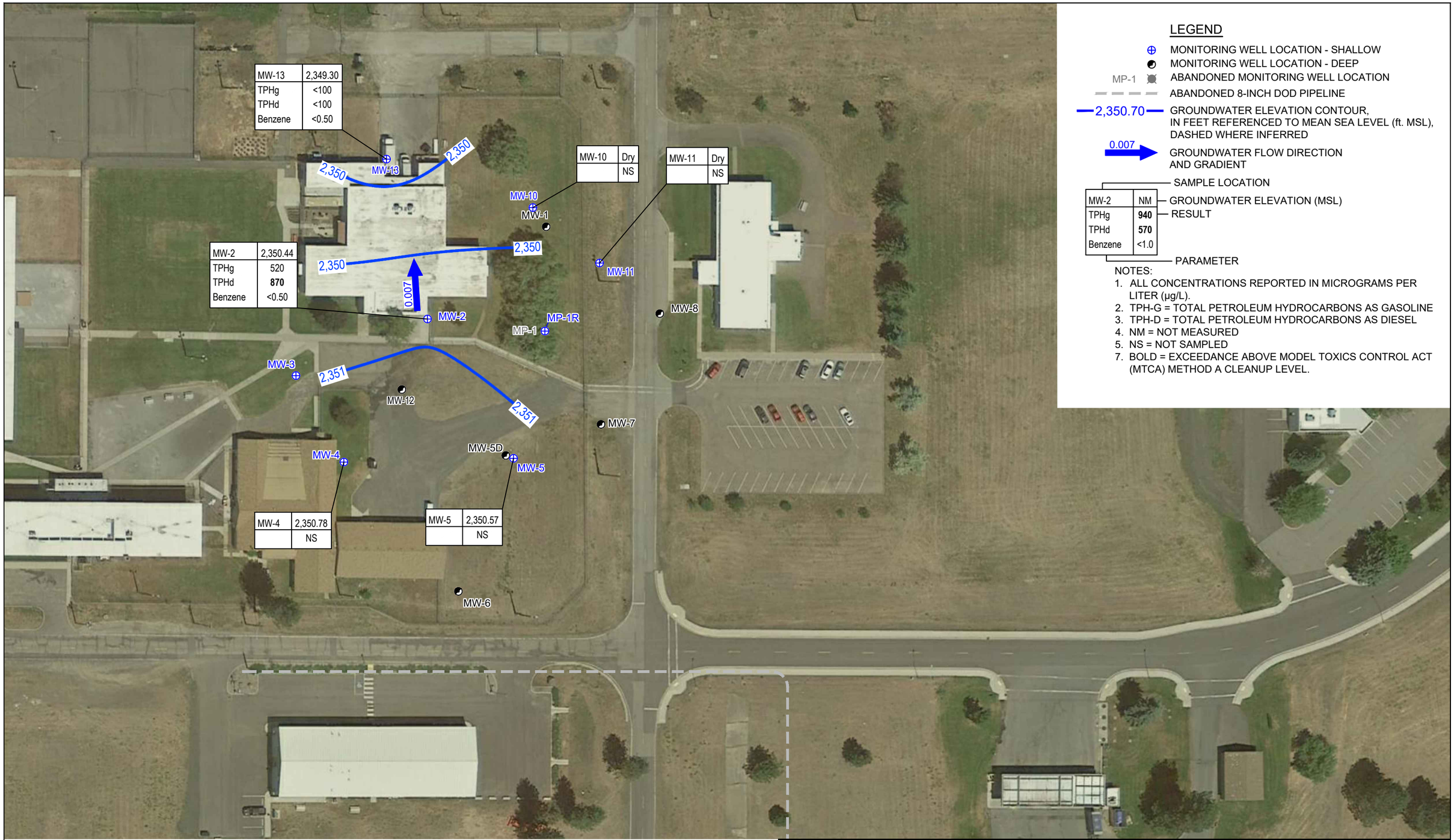
Data Source: Microsoft Product Screen Shot(s) Reprinted with permission from Microsoft Corp., Acquisition Date Jun/2015 - Sep/2016, Accessed: 2017. Google ©2017 Image. AECOM SITE PLAN & WELL LOCATIONS DATED 2/7/14. MAXIM Technologies Inc. Figures 3 & 4 dated July 2001. AECOM Soil Analytical Results 2/7/14. StateWide Land Surveying Inc .reports dated 12/23/19 and 4/20/2022. Department of Ecology State of Washington EIM Online Map Search Lat/Long Coordiinates (VCPEA0263 EMILocation.xlsx).



LEGEND

- MONITORING WELL LOCATION - SHALLOW
- MONITORING WELL LOCATION - DEEP
- MP-1 — ABANDONED MONITORING WELL LOCATION
- ABANDONED 8-INCH DOD PIPELINE
- 2,350.70 — GROUNDWATER ELEVATION CONTOUR, IN FEET REFERENCED TO MEAN SEA LEVEL (ft. MSL), DASHED WHERE INFERRED
- 0.007 — GROUNDWATER FLOW DIRECTION AND GRADIENT

SAMPLE LOCATION	
MW-2	NM — GROUNDWATER ELEVATION (MSL)
TPHg	**940** — RESULT
TPHd	**570**
Benzene	<1.0
PARAMETER	

NOTES:

1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).
2. TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
3. TPH-D = TOTAL PETROLEUM HYDROCARBONS AS DIESEL
4. NM = NOT MEASURED
5. NS = NOT SAMPLED
7. BOLD = EXCEEDANCE ABOVE MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL.

0 40 80 ft

1" = 80 ft

Coordinate System:
WASHINGTON NORTH
STATE PLANE NAD83 FEET

N

GHD

PHILLIPS 66 FACILITY NO. 6880
GEIGER CORRECTIONS FACILITY
SPOKANE, WASHINGTON

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP SHALLOW ZONE - NOVEMBER 15, 2023

Project No. **12622473**
Date **January 2024**

FIGURE 2A

Filename: N:\US\Portland\Projects\561\12622473\Digital_Design\ACAD\Figures\PRE001\12622473-GHD-00-00-PRE-EN-D101_SO-001.dwg
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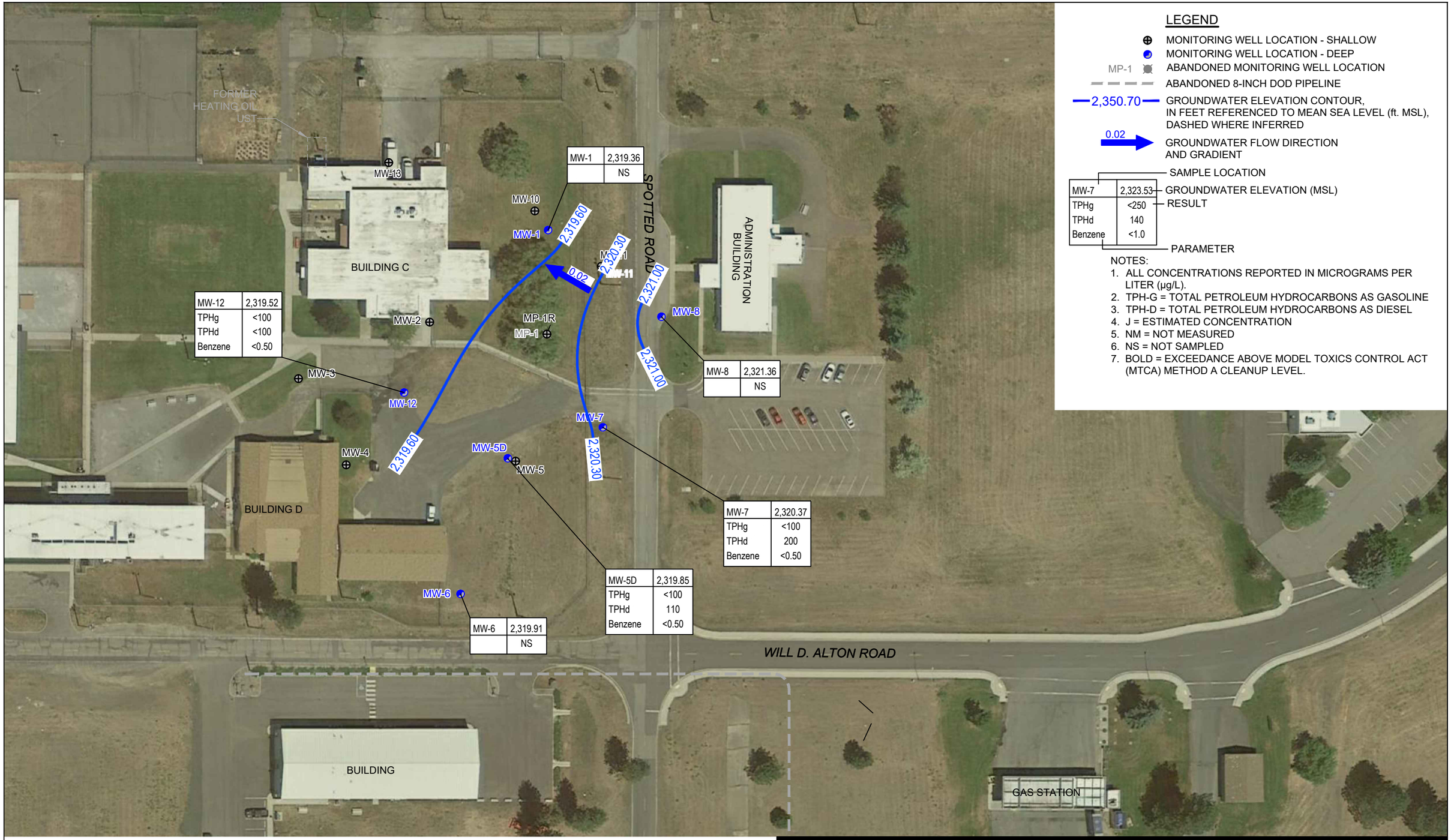
Data Source: Microsoft Product Screen Shot(s) Reprinted with permission from Microsoft Corporation, Acquisition Date Jun/2015 - Sep/2016, Accessed: 2017. Google ©2017 Image. AECOM SITE PLAN & WELL LOCATIONS DATED 2/7/14. MAXIM Technologies, Inc. Figures 3 & 4 dated July 2001. AECOM Soil Analytical Results 2/7/14. StateWide Land Surveying Inc. reports dated 12/23/19 and 4/20/2022. Department of Ecology State of Washington EIM Online Map Search Lat/Long Coordiinates (VCPEA0263 EIMLocation.xlsx).



MW-1	2,319.36
	NS

MW-12	2,319.52
TPHg	<100
TPHd	<100
Benzene	<0.50

MW-8	2,321.36
	NS

MW-7	2,320.37
TPHg	<100
TPHd	200
Benzene	<0.50

MW-5D	2,319.85
TPHg	<100
TPHd	110
Benzene	<0.50

MW-6	2,319.91
	NS

LEGEND

- MONITORING WELL LOCATION - SHALLOW
- MONITORING WELL LOCATION - DEEP
- MP-1 — ABANDONED MONITORING WELL LOCATION
- ABANDONED 8-INCH DOD PIPELINE
- 2,350.70 — GROUNDWATER ELEVATION CONTOUR, IN FEET REFERENCED TO MEAN SEA LEVEL (ft. MSL), DASHED WHERE INFERRED
- 0.02 — GROUNDWATER FLOW DIRECTION AND GRADIENT

MW-7	2,323.53
TPHg	<250
TPHd	140
Benzene	<1.0

SAMPLE LOCATION; GROUNDWATER ELEVATION (MSL); RESULT; PARAMETER

NOTES:
1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).
2. TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
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0 40 80 ft
1" = 80 ft

Coordinate System:
WASHINGTON NORTH
STATE PLANE NAD83 FEET

N

GHD

PHILLIPS 66 FACILITY NO. 6880
GEIGER CORRECTIONS FACILITY
SPOKANE, WASHINGTON

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP DEEP ZONE - NOVEMBER 15, 2023

Project No. **12622473**
Date **January 2024**

FIGURE 2B

Filename: N:\US\Portland\Projects\561\12622473\Digital_Design\ACAD\Figures\PRE001\12622473-GHD-00-00-PRE-EN-D102_SO-001.dwg
Plot Date: 09 January 2024 9:51 AM

Data Source: Microsoft Product Screen Shot(s) Reprinted with permission from Microsoft Corp., Acquisition Date Jun/2015 - Sep/2016, Accessed: 2017. Google ©2017 Image. AECOM SITE PLAN & WELL LOCATIONS DATED 2/7/14. MAXIM Technologies Inc. Figures 3 & 4 dated July 2001. AECOM Soil Analytical Results 2/7/14. StateWide Land Surveying Inc .reports dated 12/23/19 and 4/20/2022. Department of Ecology State of Washington EIM Online Map Search Lat/Long Coordiinates (VCPEA0263 EMILocation.xlsx).

Appendices

Appendix A

Groundwater Monitoring Field Data Sheets

Project Number: 12576484

Water Level - 202305-Q2WL

Date:	Technician:	Site:
6/8/2023	JD	P66 6880 Geiger Corrections

Well ID	Date/Time	Depth to LNAPL (ft BREF)	Depth to Water (ft BREF)	Depth to DNAPL (ft BREF)	Depth to Bottom (ft BREF)	Well Dry?	Notes and Comments
MP-1R	6/8/23 10:27:12					No	Unable to gauge well. Obstruction in well at 4.5ft. Unable to advance
MW-1	6/8/23 10:23:00		34.92		50.05	No	
MW-10	6/8/23 10:34:00		14.92		15.73	No	
MW-11	6/8/23 8:11:00		13.75		14.75	No	
MW-12	6/8/23 11:21:00		32.07		48.84	No	
MW-13	6/8/23 8:44:00		3.82		14.3	No	
MW-2	6/8/23 10:30:00		4.8		14.25	No	
MW-3	6/8/23 11:10:00		4.11		14.25	No	
MW-4	6/8/23 11:17:00		4.62		13.5	No	
MW-5	6/8/23 11:30:00		3.96		13.47	No	
MW-5D	6/8/23 11:35:00		31.53		45.02	No	
MW-6	6/8/23 11:26:00		35.73		41.38	No	
MW-7	6/8/23 8:18:00		32.17		44.7	No	
MW-8	6/8/23 8:04:00		35.62		47.1	No	

Well No.: MW-2 **Sampling Event:** 202305-Q2WG **SSOW Code:** **Monitoring Well Record for Low-Flow Purging**

Project Name: P66 6880 Geiger Corrections **Ref. No.:** 12576484 **Personnel:** JD GHD **Date:** 6/8/2023 10:34 AM

Monitoring Well Data

Well Diameter: 2 Constructed Well Depth: Measured Well Depth: 14.25

Screen Material: Water Column Length: 9.45

Screen Start Depth: Ref Point Elev: 2355.19

Screen End Depth: Static Water Depth: 4.8 Measurement Type:

Screen Length: User Entry Static Water Elev: 2350.39 Sampling Method: Peristaltic pump

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	pH (standard units)	Temp (deg C)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	TDS (mg/L)		Color (describe)	Clarity (describe)	Odor (describe)	Notes
			Precision Required	< .4	± .1	±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10						
10:37	0.16	200	4.8	0	7.28	13.17	2004	0.25	21	-104.7						
10:40	0.32	200	4.8	0	7.3	13.21	1996	0.17	20	-111.3						
10:43	0.48	200	4.8	0	7.32	13.33	1988	0.14	18	-117						
10:46	0.64	200	4.8	0	7.33	13.38	1983	0.14	18	-119.6						
10:49	0.80	200	4.8	0	7.34	13.41	1981	0.13	17	-122.3						

Field Parameters: **Comments**: Total Volume Purged (gal): .8

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
MW-2	N	WG	G	6/8 10:50	No		7

Well No.: MW-5D **Sampling Event:** 202305-Q2WG **SSOW Code:** **Monitoring Well Record for Low-Flow Purging**

Project Name: P66 6880 Geiger Corrections **Ref. No.:** 12576484 **Personnel:** JD GHD **Date:** 6/8/2023 11:42 AM

Monitoring Well Data

Well Diameter: 2 Constructed Well Depth: Measured Well Depth: 45.02

Screen Material: Water Column Length: 13.49

Screen Start Depth: Ref Point Elev: 2355.03

Screen End Depth: Static Water Depth: 31.53 Measurement Type:

Screen Length: User Entry Static Water Elev: 2323.5 Sampling Method: Bladder pump

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	pH (standard units)	Temp (deg C)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	TDS (mg/L)		Color (describe)	Clarity (describe)	Odor (describe)	Notes
			Precision Required	< .4	± .1	±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10						
11:45	0.16	200	31.7	.17	8.09	15.39	897	1.86	62	-98.7						
11:48	0.32	200	31.88	.35	8.17	15.53	884	1.78	56	-93.4						
11:51	0.48	200	31.88	.35	8.22	15.58	880	1.78	53	-90.6						
11:54	0.64	200	31.88	.35	8.26	15.63	880	1.77	52	-88.9						
11:57	0.80	200	31.88	.35	8.28	15.7	879	1.73	50	-87.4						

Field Parameters: **Comments**: Total Volume Purged (gal): .8

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
MW-5D	N	WG	G	6/8 11:58	No		7

Well No.: MW-7 **Sampling Event:** 202305-Q2WG **SSOW Code:** **Monitoring Well Record for Low-Flow Purging**

Project Name: P66 6880 Geiger Corrections **Ref. No.:** 12576484 **Personnel:** JD GHD **Date:** 6/8/2023 9:31 AM

Monitoring Well Data

Well Diameter: 2 Constructed Well Depth: Measured Well Depth: 44.7

Screen Material: Water Column Length: 12.53

Screen Start Depth: Ref Point Elev: 2356.31

Screen End Depth: Static Water Depth: 32.17 Measurement Type:

Screen Length: User Entry Static Water Elev: 2324.14 Sampling Method: Bladder pump

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	pH (standard units)	Temp (deg C)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	TDS (mg/L)		Color (describe)	Clarity (describe)	Odor (describe)	Notes
			Precision Required	< .4	± .1	±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10						
09:34	0.16	200	32.25	.08	8.06	13.99	7974	1.88	38	-78.3						
09:37	0.32	200	32.25	.08	8.1	14.11	7991	1.86	35	-80.6						
09:40	0.48	200	32.25	.08	8.13	14.33	8005	1.83	34	-82.4						
09:43	0.64	200	32.25	.08	8.15	14.24	8011	1.79	33	-84.9						
09:46	0.80	200	32.25	.08	8.18	14.21	8015	1.77	34	-87.1						

Field Parameters: **Comments**: Total Volume Purged (gal): .8

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
MW-7	N	WG	G	6/8 9:47	No		7

Well No.: MW-12 **Sampling Event:** 202305-Q2WG **SSOW Code:** **Monitoring Well Record for Low-Flow Purging**

Project Name: P66 6880 Geiger Corrections **Ref. No.:** 12576484 **Personnel:** JD GHD **Date:** 6/8/2023 12:16 PM

Monitoring Well Data

Well Diameter: 2 Constructed Well Depth: Measured Well Depth: 48.84

Screen Material: Water Column Length: 16.77

Screen Start Depth: Ref Point Elev: 2354.82

Screen End Depth: Static Water Depth: 32.07 Measurement Type:

Screen Length: User Entry Static Water Elev: 2322.75 Sampling Method: Bladder pump

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	pH (standard units)	Temp (deg C)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	TDS (mg/L)		Color (describe)	Clarity (describe)	Odor (describe)	Notes
			Precision Required	< .4	± .1	±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10						
12:19	0.16	200	32.19	.12	8.15	16.2	1249	0.46	138	-68.9						
12:22	0.32	200	32.27	.2	8.16	16.31	1244	0.33	130	-66.4						
12:25	0.48	200	32.35	.28	8.18	16.38	1240	0.30	125	-62.9						
12:28	0.64	200	32.39	.32	8.2	16.44	1239	0.30	121	-61.3						
12:31	0.80	200	32.41	.34	8.2	16.37	1237	0.27	118	-59.9						

Field Parameters: **Comments**: Total Volume Purged (gal): .8

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
MW-12	N	WG	G	6/8 12:32	No		7

Well No.: MW-13 **Sampling Event:** 202305-Q2WG **SSOW Code:** **Monitoring Well Record for Low-Flow Purging**

Project Name: P66 6880 Geiger Corrections **Ref. No.:** 12576484 **Personnel:** JD GHD **Date:** 6/8/2023 8:58:19 AM

Monitoring Well Data

Well Diameter: 2 Constructed Well Depth: Measured Well Depth: 14.3

Screen Material: Water Column Length: 10.48

Screen Start Depth: Ref Point Elev: 2352.6

Screen End Depth: Static Water Depth: 3.82 Measurement Type:

Screen Length: User Entry Static Water Elev: 2348.78 Sampling Method: Peristaltic pump

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	pH (standard units)	Temp (deg C)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	TDS (mg/L)		Color (describe)	Clarity (describe)	Odor (describe)	Notes
			Precision Required	< .4	± .1	±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10						
08:52	0.16	200	3.97	.15	7.86	16.32	1360	0.48	28	-66.7						
08:55	0.32	200	4.06	.24	7.95	16.65	1353	0.29	27	-68						
08:58	0.48	200	4.12	.3	7.98	16.69	1345	0.22	25	-70.5						
09:01	0.64	200	4.15	.33	8.01	16.85	1344	0.22	24	-73.6						
09:04	0.80	200	4.15	.33	8.03	16.88	1348	0.19	24	-77.5						

Field Parameters: **Comments**: Total Volume Purged (gal): .8

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
MW-13	N	WG	G	6/8 9:05	No		7

WELL INSPECTION - MP-1R

Project Number: 12576484

Date:	Inspector:	Location:
6/8/2023	Jonah Davis	Spokane WA,

Well Dia. (inches): 2

General Condition: Good

Well Type: Monitoring

Casing Material: PVC

Item Condition

Access:	Good	**Well Lock:**	Good
Well Cap:	Good	**Well Pad/Surface:**	Good
Well ID:	Good	**Protective Curbing:**	Good
Bollard:	Good	**Containment Valve:**	Good

Conditions Comments:

Water Level (ft BTOC):

Total Depth (ft BTOC):

Repair Notes:

Photo:

WELL INSPECTION - MW-1

Project Number: 12576484

Date:	Inspector:	Location:
6/8/2023	Jonah Davis	Spokane WA,

Well Dia. (inches): 2

General Condition: Good

Well Type: Monitoring

Casing Material: PVC

Item Condition

Access:	Good	**Well Lock:**	Good
Well Cap:	Good	**Well Pad/Surface:**	Good
Well ID:	Good	**Protective Curbing:**	Good
Bollard:	Good	**Containment Valve:**	Good

Conditions Comments:

Water Level (ft BTOC): 34.92

Total Depth (ft BTOC): 50.05

Repair Notes:

Photo:

WELL INSPECTION - MW-10

Project Number: 12576484

Date:	Inspector:	Location:
6/8/2023	Jonah Davis	Spokane WA,

Well Dia. (inches): 2

General Condition: Good

Well Type: Monitoring

Casing Material: PVC

Item Condition

Access:	Good	**Well Lock:**	Good
Well Cap:	Good	**Well Pad/Surface:**	Good
Well ID:	Good	**Protective Curbing:**	Good
Bollard:	Good	**Containment Valve:**	Good

Conditions Comments:

Water Level (ft BTOC): 14.92

Total Depth (ft BTOC): 15.73

Repair Notes:

Photo:

WELL INSPECTION - MW-11

Project Number: 12576484

Date:	Inspector:	Location:
6/8/2023	Jonah Davis	Spokane WA,

Well Dia. (inches): 2

General Condition: Good

Well Type: Monitoring

Casing Material: PVC

Item Condition

Access:	Good	**Well Lock:**	Not Present
Well Cap:	Good	**Well Pad/Surface:**	Good
Well ID:	Good	**Protective Curbing:**	Good
Bollard:	Good	**Containment Valve:**	Good

Conditions Comments:

Water Level (ft BTOC): 13.75

Total Depth (ft BTOC): 14.75

Repair Notes:

Photo:

WELL INSPECTION - MW-12

Project Number: 12576484

Date:	Inspector:	Location:
6/8/2023	Jonah Davis	Spokane WA,

Well Dia. (inches): 2

General Condition: Good

Well Type: Monitoring

Casing Material: PVC

Item Condition

Access:	Good	**Well Lock:**	Not Present
Well Cap:	Good	**Well Pad/Surface:**	Good
Well ID:	Good	**Protective Curbing:**	Good
Bollard:	Good	**Containment Valve:**	Good

Conditions Comments:

Water Level (ft BTOC): 32.07

Total Depth (ft BTOC): 48.84

Repair Notes:

Photo:

WELL INSPECTION - MW-13

Project Number: 12576484

Date:	Inspector:	Location:
6/8/2023	Jonah Davis	Spokane WA,

Well Dia. (inches): 2

General Condition: Good

Well Type: Monitoring

Casing Material: PVC

Item Condition

Access:	Good	**Well Lock:**	Not Present
Well Cap:	Good	**Well Pad/Surface:**	Good
Well ID:	Good	**Protective Curbing:**	Good
Bollard:	Good	**Containment Valve:**	Good

Conditions Comments:

Water Level (ft BTOC): 3.82

Total Depth (ft BTOC): 14.75

Repair Notes:

Photo:

WELL INSPECTION - MW-2

Project Number: 12576484

Date:	Inspector:	Location:
6/8/2023	Jonah Davis	Spokane WA,

Well Dia. (inches): 2

General Condition: Good

Well Type: Monitoring

Casing Material: PVC

Item Condition

Access:	Good	**Well Lock:**	Good
Well Cap:	Good	**Well Pad/Surface:**	Good
Well ID:	Good	**Protective Curbing:**	Good
Bollard:	Good	**Containment Valve:**	Good

Conditions Comments:

Water Level (ft BTOC): 4.8

Total Depth (ft BTOC): 14.25

Repair Notes:

Photo:

WELL INSPECTION - MW-3

Project Number: 12576484

Date:	Inspector:	Location:
6/8/2023	Jonah Davis	Spokane WA,

Well Dia. (inches): 2

General Condition: Good

Well Type: Monitoring

Casing Material: PVC

Item Condition

Access:	Good	**Well Lock:**	Good
Well Cap:	Good	**Well Pad/Surface:**	Good
Well ID:	Good	**Protective Curbing:**	Good
Bollard:	Good	**Containment Valve:**	Good

Conditions Comments:

Water Level (ft BTOC): 4.11

Total Depth (ft BTOC): 14.25

Repair Notes:

Photo:

WELL INSPECTION - MW-4

Project Number: 12576484

Date:	Inspector:	Location:
6/8/2023	Jonah Davis	,

Well Dia. (inches): 2

General Condition: Good

Well Type: Monitoring

Casing Material: PVC

Conditions Comments:

Item Condition			
Access:	Good	**Well Lock:**	Good
Well Cap:	Good	**Well Pad/Surface:**	Good
Well ID:	Good	**Protective Curbing:**	Good
Bollard:	Good	**Containment Valve:**	Good

Water Level (ft BTOC): 4.62

Total Depth (ft BTOC): 13.5

Repair Notes:

Photo:

Project Number: 12576484

WELL INSPECTION - MW-5

Date:	Inspector:	Location:
6/8/2023	Jonah Davis	Spokane WA,

Well Dia. (inches): 2

General Condition: Good

Well Type: Monitoring

Casing Material: PVC

Conditions Comments:

Item Condition			
Access:	Good	**Well Lock:**	Good
Well Cap:	Good	**Well Pad/Surface:**	Good
Well ID:	Good	**Protective Curbing:**	Good
Bollard:	Good	**Containment Valve:**	Good

Water Level (ft BTOC): 3.96

Total Depth (ft BTOC): 13.47

Repair Notes:

Photo:

WELL INSPECTION - MW-5D

Project Number: 12576484

Date:	Inspector:	Location:
6/8/2023	Jonah Davis	,

Well Dia. (inches): 2

General Condition: Good

Well Type: Monitoring

Casing Material: PVC

Item Condition

Access:	Good	**Well Lock:**	Good
Well Cap:	Good	**Well Pad/Surface:**	Good
Well ID:	Good	**Protective Curbing:**	Good
Bollard:	Good	**Containment Valve:**	Good

Conditions Comments:

Water Level (ft BTOC): 31.53

Total Depth (ft BTOC): 45.02

Repair Notes:

Photo:

WELL INSPECTION - MW-6

Project Number: 12576484

Date:	Inspector:	Location:
6/8/2023	Jonah Davis	Spokane WA,

Well Dia. (inches): 2

General Condition: Good

Well Type: Monitoring

Casing Material: PVC

Item Condition

Access:	Good	**Well Lock:**	Good
Well Cap:	Good	**Well Pad/Surface:**	Good
Well ID:	Good	**Protective Curbing:**	Good
Bollard:	Good	**Containment Valve:**	Good

Conditions Comments:

Water Level (ft BTOC): 35.73

Total Depth (ft BTOC): 41.38

Repair Notes:

Photo:

WELL INSPECTION - MW-7

Project Number: 12576484

Date:	Inspector:	Location:
6/8/2023	Jonah Davis	Spokane WA,

Well Dia. (inches): 2

General Condition: Good

Well Type: Monitoring

Casing Material: PVC

Item Condition

Access:	Good	**Well Lock:**	Good
Well Cap:	Good	**Well Pad/Surface:**	Good
Well ID:	Good	**Protective Curbing:**	Good
Bollard:	Good	**Containment Valve:**	Good

Conditions Comments:

Water Level (ft BTOC): 32.17

Total Depth (ft BTOC): 44.7

Repair Notes:

Photo:

WELL INSPECTION - MW-8

Project Number: 12576484

Date:	Inspector:	Location:
6/8/2023	Jonah Davis	Spokane Wa,

Well Dia. (inches): 2

General Condition: Good

Well Type: Monitoring

Casing Material: PVC

Item Condition

Access:	Good	**Well Lock:**	Good
Well Cap:	Good	**Well Pad/Surface:**	Good
Well ID:	Good	**Protective Curbing:**	Good
Bollard:	Good	**Containment Valve:**	Good

Conditions Comments:

Water Level (ft BTOC): 35.62

Total Depth (ft BTOC): 47.1

Repair Notes:

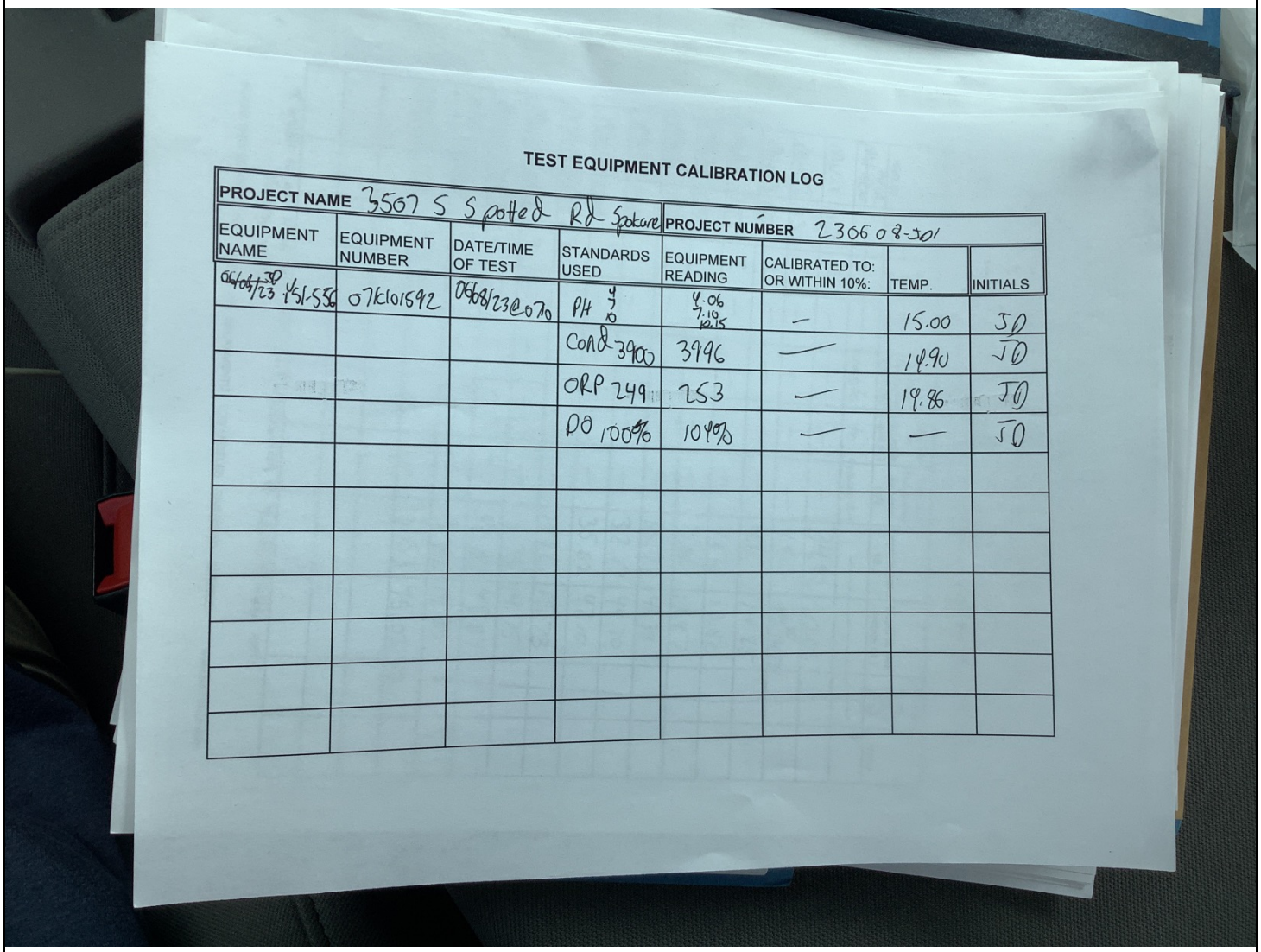
Photo:

WATER LEVEL PHOTO REPORT

P66 6880 Geiger Corrections

Personnel:	Project Number:
Jonah Davis	12576484

Date:	Time:	Coordinates:	Description: Calibration Log
6/8/2023	2:38:47 PM	47.628569, -117.529501	



TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 3507 S Spotted Rd Spokane PROJECT NUMBER 23608-301

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
06/06/23 451-556	07K101592	06/08/23@070	PH 4 7 10	4.06 7.19 10.15	—	15.00	JD
			Cond 3900	3996	—	19.90	JD
			ORP 249	253	—	19.86	JD
			DO 100%	104%	—	—	JD

WELL GAUGING DATA

Project # 231115-MH1 Date 11/15/23 Client GHD

Site 3507 S SPOTTED RD, SPOKANE, 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-1	0932	2	-	-	-	-	35.24	50.60		
MW-2	0949	2	-	-	-	-	4.75	14.27		
MW-4	1041	2	-	-	-	-	5.66	13.63		
MW-5	1032	2	-	-	-	-	4.54	13.50		
MW-5D	1029	2	-	-	-	-	35.18	45.11		
MW-6	1037	2	-	-	-	-	36.02	41.45		
MW-7	1332	2	-	-	-	-	35.94	44.92		
MW-8	1326	2	-	-	-	-	35.24	47.13		
MW-10	0922	2	-	-	-	-	DRY	15.86		
MW-11	1320	2	-	-	-	-	DRY	14.80		
MW-12	1046	2	-	-	-	-	35.30	48.90		
MW-13	0836	2	-	-	-	-	3.30	14.29		

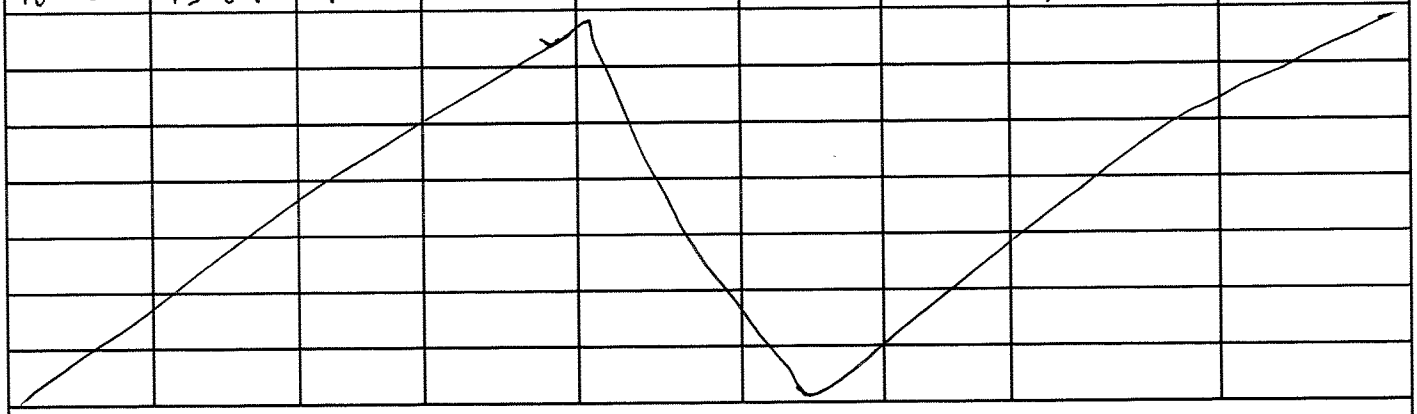
LOW FLOW WELL MONITORING DATA SHEET

Project #: 231115-MH1	Client: GHD
Sampler: MH	Gauging Date: 11/15/23
Well I.D.: MW-2	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 14.27	Depth to Water (ft.): 4.75
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: 0950 Flow Rate: 200 mL/min Pump Depth: 9.5'

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.)
0953	13.40	7.18	1229	16	0.30	-93.8	600	4.75
0956	12.86	7.40	1235	16	0.28	-102.1	1200	4.75
0959	13.85	7.10	1310	15	0.06	-120.2	1800	4.75
1002	13.86	7.11	1316	15	0.07	-121.6	2400	4.75
1005	13.89	7.11	1319	14	0.08	-122.0	3000	4.76



Did well dewater? Yes (No)	Amount actually evacuated: 3000
Sampling Time: 1008	Sampling Date: 11/15/23
Sample I.D.: MW-2	Laboratory: CALSCI
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See C.O.C
Equipment Blank I.D.: — @ Time ———	Duplicate I.D.: ———

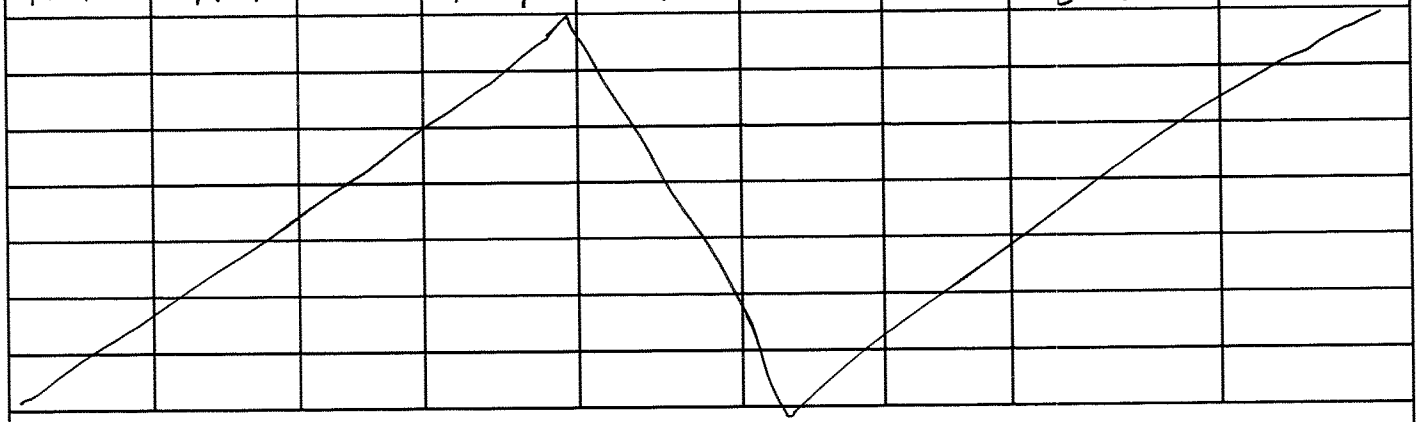
LOW FLOW WELL MONITORING DATA SHEET

Project #: 231115-MH1	Client: GHD
Sampler: MH	Gauging Date: 11/15/23
Well I.D.: MW-5D	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 45.11	Depth to Water (ft.): 35.18
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: MANNA

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: 40'

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.)
1102	7.11	7.59	1039	58	3.25	-5.8	600	35.18
1105	7.06	7.61	1040	55	3.27	-5.5	1200	35.18
1108	7.24	7.59	1029	51	2.61	-4.5	1800	35.18
1111	7.20	7.53	1026	49	2.71	-1.1	2400	35.19
1114	7.19	7.51	1027	48	2.65	2.4	3000	35.19



Did well dewater? Yes (No)	Amount actually evacuated: 3000
Sampling Time: 1117	Sampling Date: 11/15/23
Sample I.D.: MW-5D	Laboratory: Cal Sci
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See C.O.C
Equipment Blank I.D.: — @ Time —	Duplicate I.D.: —

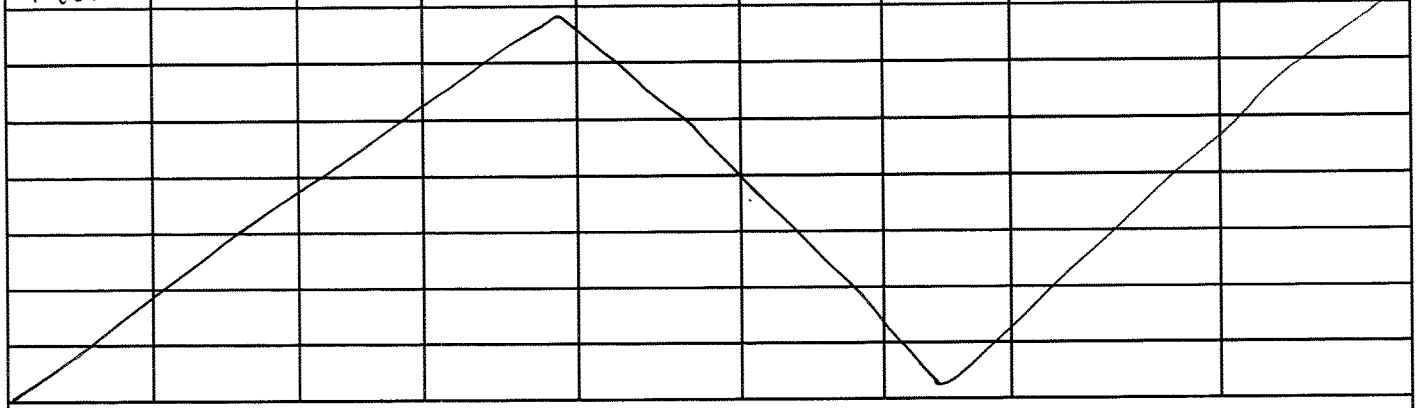
LOW FLOW WELL MONITORING DATA SHEET

Project #: 231115-MH1	Client: GHD
Sampler: MH	Gauging Date: 11/15/23
Well I.D.: MW-7	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 44.92	Depth to Water (ft.): 35.94
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: 1350 | Flow Rate: 200 mL/min | Pump Depth: 40.5'

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.)
1353	6.56	7.09	6074	35	4.33	106.6	600	35.94
1356	7.22	7.07	5786	29	4.19	100.7	1200	35.94
1359	7.04	7.10	5888	25	3.73	96.0	1800	35.94
1402	6.94	7.11	5886	24	3.76	93.0	2400	35.94
1405	7.01	7.11	5881	23	3.68	94.2	3000	35.94



Did well dewater? Yes (No)	Amount actually evacuated: 3000
Sampling Time: 1408	Sampling Date: 11/15/23
Sample I.D.: MW-7	Laboratory: CAL SCI
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 #: 231115-MM1	Client: GHD
Sampler: MM	Gauging Date: 11/15/23
Well I.D.: MW-10	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 15.86	Depth to Water (ft.): DRY
Depth to Free Product: ____	Thickness of Free Product (feet): ____
Referenced to: (PVC) Grade	Flow Cell Type: MANNA

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.)
			WELL	15	DRY			
			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.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231115-MH1	Client: GHD
Sampler: MH	Gauging Date: 11/15/23
Well I.D.: MW-11	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 14.80	Depth to Water (ft.): DRY
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: ____ 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.)
—		—	WELL	15	DRY	—	—	—
—	—	—	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.:

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

LOW FLOW WELL MONITORING DATA SHEET

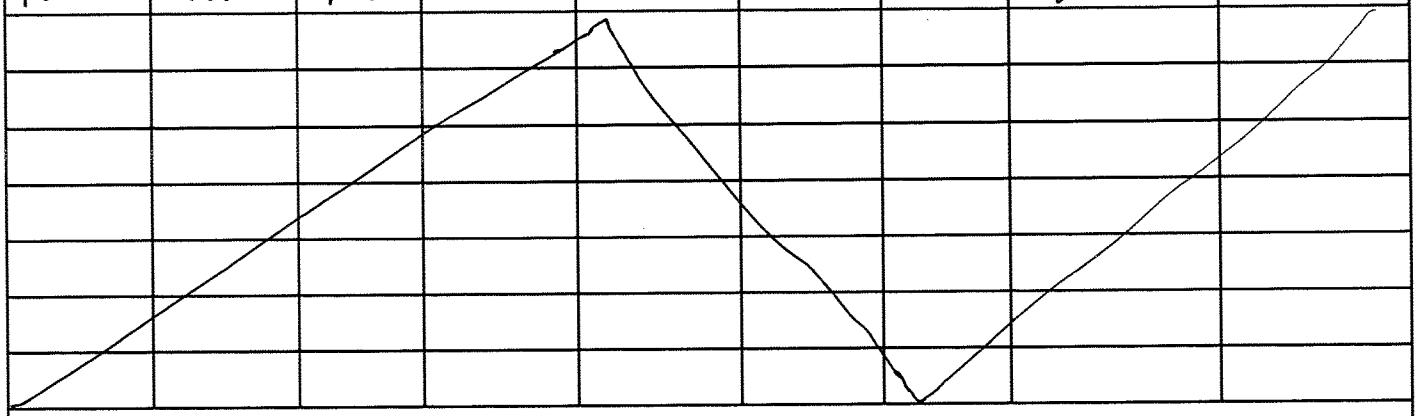
Project #: 231115-MH1	Client: GHD
Sampler: MH	Gauging Date: 11/15/23
Well I.D.: MW-12	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 48.90	Depth to Water (ft.): 35.30
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: MANNA

Purge Method: 2" Grundfos Pump | Peristaltic Pump | ~~Bladder Pump~~

Sampling Method: ~~Dedicated Tubing~~ | New Tubing | Other ____

Start Purge Time: 1212 | Flow Rate: 200 mL/min | Pump Depth: 42'

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.)
1215	6.89	7.50	1204	202	2.82	35.6	600	35.30
1218	6.80	7.28	1169	184	3.04	38.4	1200	35.30
1221	6.85	7.19	1204	172	2.08	41.6	1800	35.30
1224	6.91	7.18	1200	169	2.06	42.5	2400	35.31
1227	7.01	7.18	1198	164	2.11	42.9	3000	35.31



Did well dewater? Yes (No) | Amount actually evacuated: 3000

Sampling Time: 1230 | Sampling Date: 11/15/23

Sample I.D.: MW-12 | Laboratory: CALSCI

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: SEE C.O.C

Equipment Blank I.D.: ——— @ Time ——— | Duplicate I.D.: ———

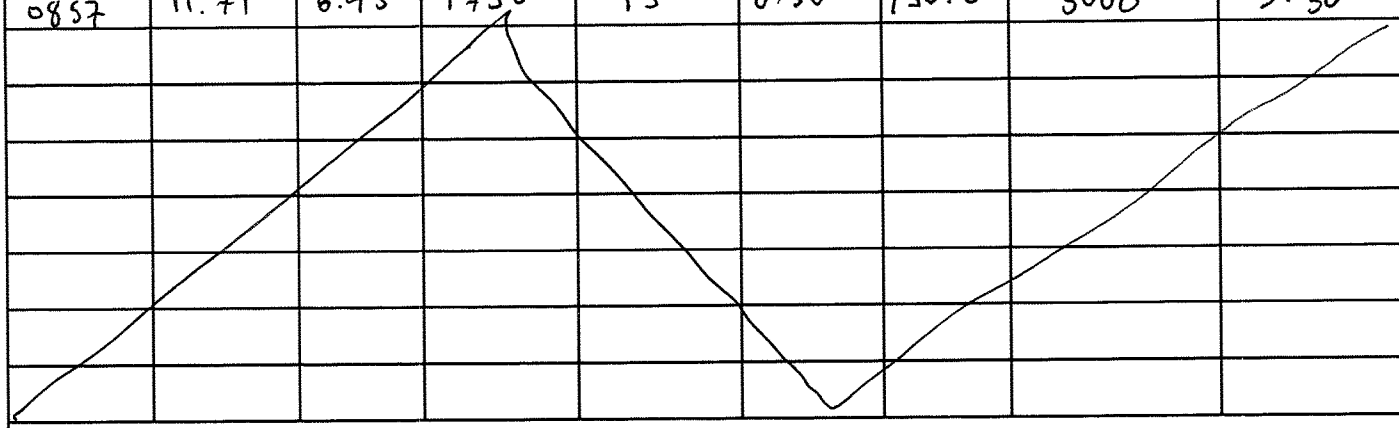
LOW FLOW WELL MONITORING DATA SHEET

Project #: 231115-MH1	Client: GHD
Sampler: MH	Gauging Date: 11/15/23
Well I.D.: MW-13	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 14.29	Depth to Water (ft.): 3.30
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: 0842 Flow Rate: 200 ml/min Pump Depth: 8.5'

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.)
0845	11.56	7.62	1744	26	1.34	127.3	600	3.30
0848	11.53	7.17	1759	19	0.46	136.1	1200	3.30
0851	11.73	6.96	1768	16	0.29	136.9	1800	3.30
0854	11.74	6.95	1753	16	0.34	135.8	2400	3.30
0857	11.71	6.95	1750	15	0.36	135.6	3000	3.30



Did well dewater? Yes (No) Amount actually evacuated: 3000

Sampling Time: 0900 Sampling Date: 11/15/23

Sample I.D.: MW-13 Laboratory: CALSCI

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See C.O.C

Equipment Blank I.D.: ← @ Time → Duplicate I.D.: ———

WELLHEAD INSPECTION FORM

Client: GHD Site: 3507 S SPOTTED RD, SPOKANE, WA Date: 11/15/23

Job #: 231115-MM1 Technician: MM Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check indicates deficiency: Cap non-functional	Lock non-functional	Lock missing	Bolts missing (list qty)	Tabs stripped (list qty)	Tabs broken (list qty)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)	Well Not Inspected (explain in notes)	Notes (list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
MW-1	X														
MW-2	X														
MW-4	X														
MW-5	X														
MW-5D	X														
MW-6	X														
MW-7	X														
MW-8	X														
MW-10	X														
MW-11	X														
MW-12	X														
MW-13	X				1/2										

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 3507 S SPOTTED RD, SPOKANE, WA				PROJECT NUMBER 231115-MH			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
HANNA	07460003101	11/15/23 @ 0710	pH 4 7 10	3.98 6.97 9.98	✓	19.6	MH
			COND 3900 ORP 237.5 DO 100	3896 238.1 97	✓	19.6	MH

PURGE DRUM INVENTORY LOG

CLIENT GHD

SITE ADDRESS 3507 S Spotted Rd Spokane, WA

STATUS OF DRUM(S) UPON ARRIVAL							
Number of drum(s) empty:	1	0	0				
Number of drum(s) 1/4 full:	0	1	1				
Number of drum(s) 1/2 full:	0	0	0				
Number of drum(s) 3/4 full:	0	0	0				
Number of drum(s) full:	0	0	0				
Total drum(s) on site:	1	1	1				
STATUS OF DRUM(S) UPON DEPARTURE							
Number of drum(s) empty:	0	0	0				
Number of drum(s) 1/4 full:	1	1	1				
Number of drum(s) 1/2 full:	0	0	0				
Number of drum(s) 3/4 full:	0	0	0				
Number of drum(s) full:	0	0	0				
Total drum(s) on site:	1	1	1				
LOCATION OF DRUM(S)							
Is/Are drum(s) at wellhead(s)?	Yes	Yes	YES				
Describe location if drum(s) is/are located elsewhere:	Near MW-6 behind Conex Box						
Label drum(s) properly:	Yes	Yes	YES				
FINAL STATUS							
Number of new drum(s) left on site this event:	0	0	0				
Date of inspection:	12/07/22	05/08/23	11/15/23				
Logged by BTS Field Technician:	JD	JD	MH				
Office reviewed by:							

Appendix B

Groundwater Monitoring Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jeremy Haney
GHD Services Inc.
9725 3rd Avenue NE, Suite 204
Seattle, Washington 98115

Generated 8/14/2023 12:20:26 PM Revision 1

JOB DESCRIPTION

P66 6880 Geiger / 12576484

JOB NUMBER

570-141156-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

Eurofins Calscience

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 Calscience Project Manager.

Authorization

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Revision 1

Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494

Table of Contents

Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 6880 Geiger / 12576484

Job ID: 570-141156-1

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

Case Narrative

Client: GHD Services Inc.
Project/Site: P66 6880 Geiger / 12576484

Job ID: 570-141156-1

Job ID: 570-141156-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-141156-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 6/20/2023. The report (revision 1) is being revised due to: an update to the project refrence to match the Chain of Custody.

Receipt
The samples were received on 6/9/2023 9:45 AM. 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 3.2º C.

GC/MS VOA
Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-337424. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260C: The following sample(s) were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: TB-1 (570-141156-1). The sample(s) were analyzed within 7 days per EPA recommendation.

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.

GC Semi VOA
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 (MS/MSD) associated with preparation batch 570-337084 and 570-337084. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Method 8015.

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.

Detection Summary

Client: GHD Services Inc.
Project/Site: P66 6880 Geiger / 12576484

Job ID: 570-141156-1

Client Sample ID: TB-1 — Lab Sample ID: 570-141156-1

No Detections.

Client Sample ID: MW-2 — Lab Sample ID: 570-141156-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
TPH as Gasoline (C4-C13)	410		100		ug/L	1		NWTPH-Gx	Total/NA
TPH as Diesel Range	0.74		0.10		mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-50 — Lab Sample ID: 570-141156-3

No Detections.

Client Sample ID: MW-7 — Lab Sample ID: 570-141156-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
TPH as Gasoline (C4-C13)	440		100		ug/L	1		NWTPH-Gx	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 570-141156-5

No Detections.

Client Sample ID: MW-13 — Lab Sample ID: 570-141156-6

No Detections.

This Detection Summary does not include radiochemical test results.

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Client Sample ID: TB-1
Date Collected: 06/08/23 09:00
Date Received: 06/09/23 09:45

Lab Sample ID: 570-141156-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/14/23 22:30	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			06/14/23 22:30	1
Ethylbenzene	ND		1.0		ug/L			06/14/23 22:30	1
o-Xylene	ND		1.0		ug/L			06/14/23 22:30	1
m,p-Xylene	ND		2.0		ug/L			06/14/23 22:30	1
Toluene	ND		1.0		ug/L			06/14/23 22:30	1
Xylenes, Total	ND		2.0		ug/L			06/14/23 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 123*		*06/14/23 22:30*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*06/14/23 22:30*	*1*
Dibromofluoromethane (Surr)	*97*		*78 - 120*		*06/14/23 22:30*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/14/23 22:30*	*1*

Client Sample ID: MW-2
Date Collected: 06/08/23 10:50
Date Received: 06/09/23 09:45

Lab Sample ID: 570-141156-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/15/23 02:40	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			06/15/23 02:40	1
Ethylbenzene	ND		1.0		ug/L			06/15/23 02:40	1
o-Xylene	ND		1.0		ug/L			06/15/23 02:40	1
m,p-Xylene	ND		2.0		ug/L			06/15/23 02:40	1
Toluene	ND		1.0		ug/L			06/15/23 02:40	1
Xylenes, Total	ND		2.0		ug/L			06/15/23 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 123*		*06/15/23 02:40*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/15/23 02:40*	*1*
Dibromofluoromethane (Surr)	*96*		*78 - 120*		*06/15/23 02:40*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/15/23 02:40*	*1*

Client Sample ID: MW-50
Date Collected: 06/08/23 11:58
Date Received: 06/09/23 09:45

Lab Sample ID: 570-141156-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/15/23 03:00	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			06/15/23 03:00	1
Ethylbenzene	ND		1.0		ug/L			06/15/23 03:00	1
o-Xylene	ND		1.0		ug/L			06/15/23 03:00	1
m,p-Xylene	ND		2.0		ug/L			06/15/23 03:00	1
Toluene	ND		1.0		ug/L			06/15/23 03:00	1
Xylenes, Total	ND		2.0		ug/L			06/15/23 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 123*		*06/15/23 03:00*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/15/23 03:00*	*1*
Dibromofluoromethane (Surr)	*98*		*78 - 120*		*06/15/23 03:00*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/15/23 03:00*	*1*

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Client Sample ID: MW-7
Date Collected: 06/08/23 09:47
Date Received: 06/09/23 09:45
Lab Sample ID: 570-141156-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/15/23 03:21	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			06/15/23 03:21	1
Ethylbenzene	ND		1.0		ug/L			06/15/23 03:21	1
o-Xylene	ND		1.0		ug/L			06/15/23 03:21	1
m,p-Xylene	ND		2.0		ug/L			06/15/23 03:21	1
Toluene	ND		1.0		ug/L			06/15/23 03:21	1
Xylenes, Total	ND		2.0		ug/L			06/15/23 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 123*		*06/15/23 03:21*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*06/15/23 03:21*	*1*
Dibromofluoromethane (Surr)	*98*		*78 - 120*		*06/15/23 03:21*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/15/23 03:21*	*1*

Client Sample ID: MW-12
Date Collected: 06/08/23 12:32
Date Received: 06/09/23 09:45
Lab Sample ID: 570-141156-5
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/15/23 03:42	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			06/15/23 03:42	1
Ethylbenzene	ND		1.0		ug/L			06/15/23 03:42	1
o-Xylene	ND		1.0		ug/L			06/15/23 03:42	1
m,p-Xylene	ND		2.0		ug/L			06/15/23 03:42	1
Toluene	ND		1.0		ug/L			06/15/23 03:42	1
Xylenes, Total	ND		2.0		ug/L			06/15/23 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 123*		*06/15/23 03:42*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/15/23 03:42*	*1*
Dibromofluoromethane (Surr)	*96*		*78 - 120*		*06/15/23 03:42*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/15/23 03:42*	*1*

Client Sample ID: MW-13
Date Collected: 06/08/23 09:05
Date Received: 06/09/23 09:45
Lab Sample ID: 570-141156-6
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/15/23 04:03	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			06/15/23 04:03	1
Ethylbenzene	ND		1.0		ug/L			06/15/23 04:03	1
o-Xylene	ND		1.0		ug/L			06/15/23 04:03	1
m,p-Xylene	ND		2.0		ug/L			06/15/23 04:03	1
Toluene	ND		1.0		ug/L			06/15/23 04:03	1
Xylenes, Total	ND		2.0		ug/L			06/15/23 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 123*		*06/15/23 04:03*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/15/23 04:03*	*1*
Dibromofluoromethane (Surr)	*97*		*78 - 120*		*06/15/23 04:03*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/15/23 04:03*	*1*

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

Client Sample ID: TB-1
Date Collected: 06/08/23 09:00
Date Received: 06/09/23 09:45

Lab Sample ID: 570-141156-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			06/13/23 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*50 - 150*		*06/13/23 19:49*	*1*

Client Sample ID: MW-2
Date Collected: 06/08/23 10:50
Date Received: 06/09/23 09:45

Lab Sample ID: 570-141156-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	**410**		100		ug/L			06/13/23 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*50 - 150*		*06/13/23 18:51*	*1*

Client Sample ID: MW-50
Date Collected: 06/08/23 11:58
Date Received: 06/09/23 09:45

Lab Sample ID: 570-141156-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			06/13/23 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*50 - 150*		*06/13/23 19:10*	*1*

Client Sample ID: MW-7
Date Collected: 06/08/23 09:47
Date Received: 06/09/23 09:45

Lab Sample ID: 570-141156-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	**440**		100		ug/L			06/13/23 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*50 - 150*		*06/13/23 19:30*	*1*

Client Sample ID: MW-12
Date Collected: 06/08/23 12:32
Date Received: 06/09/23 09:45

Lab Sample ID: 570-141156-5
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			06/16/23 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*50 - 150*		*06/16/23 03:41*	*1*

Client Sample ID: MW-13
Date Collected: 06/08/23 09:05
Date Received: 06/09/23 09:45

Lab Sample ID: 570-141156-6
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			06/16/23 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*50 - 150*		*06/16/23 04:20*	*1*

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

Client Sample ID: MW-2
Date Collected: 06/08/23 10:50
Date Received: 06/09/23 09:45

Lab Sample ID: 570-141156-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	**0.74**		0.10		mg/L		06/13/23 20:50	06/16/23 14:48	1
TPH as Motor Oil Range	ND		0.10		mg/L		06/13/23 20:50	06/16/23 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*102*		*50 - 150*	*06/13/23 20:50*	*06/16/23 14:48*	*1*

Client Sample ID: MW-50
Date Collected: 06/08/23 11:58
Date Received: 06/09/23 09:45

Lab Sample ID: 570-141156-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.096		mg/L		06/13/23 20:50	06/16/23 16:54	1
TPH as Motor Oil Range	ND		0.096		mg/L		06/13/23 20:50	06/16/23 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*107*		*50 - 150*	*06/13/23 20:50*	*06/16/23 16:54*	*1*

Client Sample ID: MW-7
Date Collected: 06/08/23 09:47
Date Received: 06/09/23 09:45

Lab Sample ID: 570-141156-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10		mg/L		06/13/23 20:50	06/16/23 15:51	1
TPH as Motor Oil Range	ND		0.10		mg/L		06/13/23 20:50	06/16/23 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*108*		*50 - 150*	*06/13/23 20:50*	*06/16/23 15:51*	*1*

Client Sample ID: MW-12
Date Collected: 06/08/23 12:32
Date Received: 06/09/23 09:45

Lab Sample ID: 570-141156-5
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.098		mg/L		06/13/23 20:50	06/16/23 16:12	1
TPH as Motor Oil Range	ND		0.098		mg/L		06/13/23 20:50	06/16/23 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*99*		*50 - 150*	*06/13/23 20:50*	*06/16/23 16:12*	*1*

Client Sample ID: MW-13
Date Collected: 06/08/23 09:05
Date Received: 06/09/23 09:45

Lab Sample ID: 570-141156-6
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.094		mg/L		06/13/23 20:50	06/16/23 16:33	1
TPH as Motor Oil Range	ND		0.094		mg/L		06/13/23 20:50	06/16/23 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*99*		*50 - 150*	*06/13/23 20:50*	*06/16/23 16:33*	*1*

Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 6880 Geiger / 12576484

Job ID: 570-141156-1

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-123)	(80-120)	(78-120)	(80-120)
570-141156-1	TB-1	99	93	97	100
570-141156-2	MW-2	95	96	96	100
570-141156-3	MW-50	97	96	98	99
570-141156-4	MW-7	97	97	98	99
570-141156-5	MW-12	97	96	96	98
570-141156-6	MW-13	97	95	97	99
LCS 570-337424/4	Lab Control Sample	98	103	97	100
LCSD 570-337424/5	Lab Control Sample Dup	97	101	98	99
MB 570-337424/7	Method Blank	101	97	98	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(50-150)
570-141156-1	TB-1	104
570-141156-2	MW-2	107
570-141156-3	MW-50	107
570-141156-4	MW-7	105
570-141156-5	MW-12	107
570-141156-6	MW-13	109
LCS 570-336857/3	Lab Control Sample	99
LCS 570-337848/32	Lab Control Sample	106
LCSD 570-336857/4	Lab Control Sample Dup	100
LCSD 570-337848/33	Lab Control Sample Dup	103
MB 570-336857/5	Method Blank	97
MB 570-337848/34	Method Blank	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN
Lab Sample ID	Client Sample ID	(50-150)
570-141156-2	MW-2	102
570-141156-3	MW-50	107
570-141156-4	MW-7	108
570-141156-5	MW-12	99
570-141156-6	MW-13	99
LCS 570-337084/2-A	Lab Control Sample	105
LCSD 570-337084/3-A	Lab Control Sample Dup	106

Surrogate Summary

Client: GHD Services Inc. Job ID: 570-141156-1
Project/Site: P66 6880 Geiger / 12576484

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	OTCSN (50-150)								
MB 570-337084/1-A	Method Blank	105								

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 570-337424/7
Matrix: Water
Analysis Batch: 337424

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/14/23 22:09	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			06/14/23 22:09	1
Ethylbenzene	ND		1.0		ug/L			06/14/23 22:09	1
o-Xylene	ND		1.0		ug/L			06/14/23 22:09	1
m,p-Xylene	ND		2.0		ug/L			06/14/23 22:09	1
Toluene	ND		1.0		ug/L			06/14/23 22:09	1
Xylenes, Total	ND		2.0		ug/L			06/14/23 22:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 123*		*06/14/23 22:09*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*06/14/23 22:09*	*1*
Dibromofluoromethane (Surr)	*98*		*78 - 120*		*06/14/23 22:09*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/14/23 22:09*	*1*

Lab Sample ID: LCS 570-337424/4
Matrix: Water
Analysis Batch: 337424

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	21.70		ug/L		109	80 - 121		
Methyl-t-Butyl Ether (MTBE)			20.0	19.64		ug/L		98	78 - 123		
Ethylbenzene			20.0	22.06		ug/L		110	80 - 121		
o-Xylene			20.0	22.35		ug/L		112	80 - 122		
m,p-Xylene			40.0	45.27		ug/L		113	80 - 123		
Toluene			20.0	21.55		ug/L		108	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 123*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*78 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-337424/5
Matrix: Water
Analysis Batch: 337424

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			20.0	21.54		ug/L		108	80 - 121	1	20
Methyl-t-Butyl Ether (MTBE)			20.0	19.74		ug/L		99	78 - 123	1	20
Ethylbenzene			20.0	21.68		ug/L		108	80 - 121	2	20
o-Xylene			20.0	21.95		ug/L		110	80 - 122	2	20
m,p-Xylene			40.0	45.42		ug/L		114	80 - 123	0	20
Toluene			20.0	21.46		ug/L		107	80 - 120	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 123*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

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

Lab Sample ID: LCSD 570-337424/5
Matrix: Water
Analysis Batch: 337424

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*78 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 570-336857/5
Matrix: Water
Analysis Batch: 336857

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			06/13/23 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*50 - 150*		*06/13/23 11:40*	*1*

Lab Sample ID: LCS 570-336857/3
Matrix: Water
Analysis Batch: 336857

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 (C4-C13)			1990	1923		ug/L		97	76 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*50 - 150*

Lab Sample ID: LCSD 570-336857/4
Matrix: Water
Analysis Batch: 336857

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 (C4-C13)			1990	1882		ug/L		95	76 - 128	2	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*50 - 150*

Lab Sample ID: MB 570-337848/34
Matrix: Water
Analysis Batch: 337848

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			06/15/23 23:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*50 - 150*		*06/15/23 23:11*	*1*

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

Lab Sample ID: LCS 570-337848/32
Matrix: Water
Analysis Batch: 337848

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 (C4-C13)			1990	2079		ug/L		105	76 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*50 - 150*

Lab Sample ID: LCSD 570-337848/33
Matrix: Water
Analysis Batch: 337848

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 (C4-C13)			1990	2013		ug/L		101	76 - 128	3	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*50 - 150*

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

Lab Sample ID: MB 570-337084/1-A
Matrix: Water
Analysis Batch: 337821

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 337084

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10		mg/L		06/13/23 20:50	06/16/23 07:49	1
TPH as Motor Oil Range	ND		0.10		mg/L		06/13/23 20:50	06/16/23 07:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*105*		*50 - 150*	*06/13/23 20:50*	*06/16/23 07:49*	*1*

Lab Sample ID: LCS 570-337084/2-A
Matrix: Water
Analysis Batch: 337821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 337084

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			4.00	3.964		mg/L		99	68 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*105*		*50 - 150*

Lab Sample ID: LCSD 570-337084/3-A
Matrix: Water
Analysis Batch: 337821

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 337084

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			4.00	4.096		mg/L		102	68 - 120	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*106*		*50 - 150*

QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 6880 Geiger / 12576484

Job ID: 570-141156-1

GC/MS VOA

Analysis Batch: 337424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-141156-1	TB-1	Total/NA	Water	8260C	
570-141156-2	MW-2	Total/NA	Water	8260C	
570-141156-3	MW-50	Total/NA	Water	8260C	
570-141156-4	MW-7	Total/NA	Water	8260C	
570-141156-5	MW-12	Total/NA	Water	8260C	
570-141156-6	MW-13	Total/NA	Water	8260C	
MB 570-337424/7	Method Blank	Total/NA	Water	8260C	
LCS 570-337424/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-337424/5	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 336857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-141156-1	TB-1	Total/NA	Water	NWTPH-Gx	
570-141156-2	MW-2	Total/NA	Water	NWTPH-Gx	
570-141156-3	MW-50	Total/NA	Water	NWTPH-Gx	
570-141156-4	MW-7	Total/NA	Water	NWTPH-Gx	
MB 570-336857/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-336857/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-336857/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 337848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-141156-5	MW-12	Total/NA	Water	NWTPH-Gx	
570-141156-6	MW-13	Total/NA	Water	NWTPH-Gx	
MB 570-337848/34	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-337848/32	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-337848/33	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 337084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-141156-2	MW-2	Total/NA	Water	3510C	
570-141156-3	MW-50	Total/NA	Water	3510C	
570-141156-4	MW-7	Total/NA	Water	3510C	
570-141156-5	MW-12	Total/NA	Water	3510C	
570-141156-6	MW-13	Total/NA	Water	3510C	
MB 570-337084/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-337084/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-337084/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 337821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-141156-2	MW-2	Total/NA	Water	NWTPH-Dx	337084
570-141156-3	MW-50	Total/NA	Water	NWTPH-Dx	337084
570-141156-4	MW-7	Total/NA	Water	NWTPH-Dx	337084
570-141156-5	MW-12	Total/NA	Water	NWTPH-Dx	337084
570-141156-6	MW-13	Total/NA	Water	NWTPH-Dx	337084
MB 570-337084/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	337084
LCS 570-337084/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	337084

GC Semi VOA (Continued)

Analysis Batch: 337821 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-337084/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	337084

Lab Chronicle

Client: GHD Services Inc.
Project/Site: P66 6880 Geiger / 12576484

Job ID: 570-141156-1

Client Sample ID: TB-1

Lab Sample ID: 570-141156-1
Date Collected: 06/08/23 09:00
Matrix: Water
Date Received: 06/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	337424	06/14/23 22:30	N1A	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	336857	06/13/23 19:49	P1R	EET CAL 4
	Instrument ID: GC73									

Client Sample ID: MW-2

Lab Sample ID: 570-141156-2
Date Collected: 06/08/23 10:50
Matrix: Water
Date Received: 06/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	337424	06/15/23 02:40	N1A	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	336857	06/13/23 18:51	P1R	EET CAL 4
	Instrument ID: GC73									
Total/NA	Prep	3510C			249.1 mL	2.5 mL	337084	06/13/23 20:50	UFLU	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	337821	06/16/23 14:48	N5Y3	EET CAL 4
	Instrument ID: GC48									

Client Sample ID: MW-50

Lab Sample ID: 570-141156-3
Date Collected: 06/08/23 11:58
Matrix: Water
Date Received: 06/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	337424	06/15/23 03:00	N1A	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	336857	06/13/23 19:10	P1R	EET CAL 4
	Instrument ID: GC73									
Total/NA	Prep	3510C			259.4 mL	2.5 mL	337084	06/13/23 20:50	UFLU	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	337821	06/16/23 16:54	N5Y3	EET CAL 4
	Instrument ID: GC48									

Client Sample ID: MW-7

Lab Sample ID: 570-141156-4
Date Collected: 06/08/23 09:47
Matrix: Water
Date Received: 06/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	337424	06/15/23 03:21	N1A	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	336857	06/13/23 19:30	P1R	EET CAL 4
	Instrument ID: GC73									
Total/NA	Prep	3510C			244.2 mL	2.5 mL	337084	06/13/23 20:50	UFLU	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	337821	06/16/23 15:51	N5Y3	EET CAL 4
	Instrument ID: GC48									

Lab Chronicle

Client: GHD Services Inc.
Project/Site: P66 6880 Geiger / 12576484

Job ID: 570-141156-1

Client Sample ID: MW-12

Lab Sample ID: 570-141156-5

Date Collected: 06/08/23 12:32

Matrix: Water

Date Received: 06/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	337424	06/15/23 03:42	N1A	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	337848	06/16/23 03:41	A9VE	EET CAL 4
	Instrument ID: GC73									
Total/NA	Prep	3510C			254 mL	2.5 mL	337084	06/13/23 20:50	UFLU	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	337821	06/16/23 16:12	N5Y3	EET CAL 4
	Instrument ID: GC48									

Client Sample ID: MW-13

Lab Sample ID: 570-141156-6

Date Collected: 06/08/23 09:05

Matrix: Water

Date Received: 06/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	337424	06/15/23 04:03	N1A	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	337848	06/16/23 04:20	A9VE	EET CAL 4
	Instrument ID: GC73									
Total/NA	Prep	3510C			264.8 mL	2.5 mL	337084	06/13/23 20:50	UFLU	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	337821	06/16/23 16:33	N5Y3	EET CAL 4
	Instrument ID: GC48									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc.
Job ID: 570-141156-1
Project/Site: P66 6880 Geiger / 12576484

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C916-18	10-11-23

Method Summary

Client: GHD Services Inc.
Project/Site: P66 6880 Geiger / 12576484

Job ID: 570-141156-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET CAL 4
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	EET CAL 4
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4

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 CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: GHD Services Inc.
Project/Site: P66 6880 Geiger / 12576484

Job ID: 570-141156-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-141156-1	TB-1	Water	06/08/23 09:00	06/09/23 09:45
570-141156-2	MW-2	Water	06/08/23 10:50	06/09/23 09:45
570-141156-3	MW-50	Water	06/08/23 11:58	06/09/23 09:45
570-141156-4	MW-7	Water	06/08/23 09:47	06/09/23 09:45
570-141156-5	MW-12	Water	06/08/23 12:32	06/09/23 09:45
570-141156-6	MW-13	Water	06/08/23 09:05	06/09/23 09:45

Loc: 570
141156

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GHD	Report To:	Jeremy.haney@ghd.com	Attention:	Accounts Payable
Address:	9725 3rd Ave NE, Suite 204 Seattle, WA	Copy To:	arthur.Clauss@ghd.com	Company Name:	GHD
		Copy To:	jeffrey.cloud@ghd.com	Address:	9725 3rd Ave NE, Suite 204, Seattle, W.
Email To:	Jeremy.haney@ghd.com	Project #:	12576484	Quote Reference:	
Phone:	206-802-1614 Fax:	Client Project ID:	P66 Spokane - Geiger Corrections	Project Manager:	Jeremy Haney
Requested Due Date/TAT:	Standard	Container Order Number:		Profile #:	

Regulatory Agency
State / Location
WA / Spokane

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM#	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	NWTPH-Gx	NWTPH-Dx	BTEX	Residual Chlorine (Y/N)
1	TB-1	WT	G	06/08/23	0900				3				X						X		X	
2	MW-2				1050				7				X						X	X	X	
3	MW-50				1158				7				X						X	X	X	
4	MW-7				0947				7				X						X	X	X	
5	MW-12				1232				7				X						X	X	X	
6	MW-13				0965				7				X						X	X	X	
7																						
8																						
9																						
10																						
11																						
12																						

570-141156 Chain of Custody

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	FedEx	06/08/23	1600	Shipped Via FedEx	06/09/23	1600	
				EC	6/9/23	0945	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jonah Davis

SIGNATURE of SAMPLER: DATE Signed: 06/08/23

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
3.3/3.2	SC/2		

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-141156-1

Login Number: 141156
List Number: 1
Creator: Nguyen, Jocelyn

List Source: Eurofins Calscience

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

PREPARED FOR

Attn: Heather Gadwa
GHD Services Inc.
9725 3rd Avenue NE, Suite 204
Seattle, Washington 98115

Generated 12/1/2023 11:40:48 AM

JOB DESCRIPTION

P66 Spokane - Geiger Corrections

JOB NUMBER

570-161185-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

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 Calscience Project Manager.

Authorization

Generated
12/1/2023 11:40:48 AM

Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494

Table of Contents

Definitions/Glossary

Client: GHD Services Inc.
Job ID: 570-161185-1
Project/Site: P66 Spokane - Geiger Corrections

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

Case Narrative

Client: GHD Services Inc.
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161185-1

Job ID: 570-161185-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-161185-1

Receipt
The samples were received on 11/16/2023 9:50 AM. 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 0.8º C, 1.4º C and 1.9º C.

Receipt Exceptions

For the following samples received containers Plastic 250ml w/Nitric Acid , however there is no analyses listed on COC for this type of containers. MW-13 (570-161185-1), MW-2 (570-161185-2), MW-50 (570-161185-3), MW-12 (570-161185-4) and MW-7 (570-161185-5)

GC/MS VOA
Methods 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-386260. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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.

GC Semi VOA
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.

Detection Summary

Client: GHD Services Inc.
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161185-1

Client Sample ID: MW-13 — Lab Sample ID: 570-161185-1

No Detections.

Client Sample ID: MW-2 — Lab Sample ID: 570-161185-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
TPH as Gasoline (C4-C13)	520		100		ug/L	1		NWTPH-Gx	Total/NA
TPH as Diesel Range	0.87		0.10		mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-50 — Lab Sample ID: 570-161185-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
TPH as Diesel Range	0.11		0.10		mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 570-161185-4

No Detections.

Client Sample ID: MW-7 — Lab Sample ID: 570-161185-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
TPH as Diesel Range	0.20		0.10		mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: TB — Lab Sample ID: 570-161185-6

No Detections.

This Detection Summary does not include radiochemical test results.

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Client Sample ID: MW-13
Date Collected: 11/15/23 09:00
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			11/22/23 09:04	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/22/23 09:04	1
Ethylbenzene	ND		1.0		ug/L			11/22/23 09:04	1
o-Xylene	ND		1.0		ug/L			11/22/23 09:04	1
m,p-Xylene	ND		2.0		ug/L			11/22/23 09:04	1
Toluene	ND		1.0		ug/L			11/22/23 09:04	1
Xylenes, Total	ND		2.0		ug/L			11/22/23 09:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 123*		*11/22/23 09:04*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*11/22/23 09:04*	*1*
Dibromofluoromethane (Surr)	*103*		*78 - 120*		*11/22/23 09:04*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/22/23 09:04*	*1*

Client Sample ID: MW-2
Date Collected: 11/15/23 10:08
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			11/22/23 09:25	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/22/23 09:25	1
Ethylbenzene	ND		1.0		ug/L			11/22/23 09:25	1
o-Xylene	ND		1.0		ug/L			11/22/23 09:25	1
m,p-Xylene	ND		2.0		ug/L			11/22/23 09:25	1
Toluene	ND		1.0		ug/L			11/22/23 09:25	1
Xylenes, Total	ND		2.0		ug/L			11/22/23 09:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 123*		*11/22/23 09:25*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/22/23 09:25*	*1*
Dibromofluoromethane (Surr)	*102*		*78 - 120*		*11/22/23 09:25*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/22/23 09:25*	*1*

Client Sample ID: MW-50
Date Collected: 11/15/23 11:17
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			11/22/23 09:46	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/22/23 09:46	1
Ethylbenzene	ND		1.0		ug/L			11/22/23 09:46	1
o-Xylene	ND		1.0		ug/L			11/22/23 09:46	1
m,p-Xylene	ND		2.0		ug/L			11/22/23 09:46	1
Toluene	ND		1.0		ug/L			11/22/23 09:46	1
Xylenes, Total	ND		2.0		ug/L			11/22/23 09:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 123*		*11/22/23 09:46*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*11/22/23 09:46*	*1*
Dibromofluoromethane (Surr)	*97*		*78 - 120*		*11/22/23 09:46*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/22/23 09:46*	*1*

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Client Sample ID: MW-12
Date Collected: 11/15/23 12:30
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			11/22/23 10:07	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/22/23 10:07	1
Ethylbenzene	ND		1.0		ug/L			11/22/23 10:07	1
o-Xylene	ND		1.0		ug/L			11/22/23 10:07	1
m,p-Xylene	ND		2.0		ug/L			11/22/23 10:07	1
Toluene	ND		1.0		ug/L			11/22/23 10:07	1
Xylenes, Total	ND		2.0		ug/L			11/22/23 10:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 123*		*11/22/23 10:07*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*11/22/23 10:07*	*1*
Dibromofluoromethane (Surr)	*101*		*78 - 120*		*11/22/23 10:07*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/22/23 10:07*	*1*

Client Sample ID: MW-7
Date Collected: 11/15/23 14:08
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-5
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			11/22/23 10:28	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/22/23 10:28	1
Ethylbenzene	ND		1.0		ug/L			11/22/23 10:28	1
o-Xylene	ND		1.0		ug/L			11/22/23 10:28	1
m,p-Xylene	ND		2.0		ug/L			11/22/23 10:28	1
Toluene	ND		1.0		ug/L			11/22/23 10:28	1
Xylenes, Total	ND		2.0		ug/L			11/22/23 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 123*		*11/22/23 10:28*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*11/22/23 10:28*	*1*
Dibromofluoromethane (Surr)	*103*		*78 - 120*		*11/22/23 10:28*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/22/23 10:28*	*1*

Client Sample ID: TB
Date Collected: 11/15/23 09:00
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-6
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			11/22/23 08:43	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/22/23 08:43	1
Ethylbenzene	ND		1.0		ug/L			11/22/23 08:43	1
o-Xylene	ND		1.0		ug/L			11/22/23 08:43	1
m,p-Xylene	ND		2.0		ug/L			11/22/23 08:43	1
Toluene	ND		1.0		ug/L			11/22/23 08:43	1
Xylenes, Total	ND		2.0		ug/L			11/22/23 08:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 123*		*11/22/23 08:43*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*11/22/23 08:43*	*1*
Dibromofluoromethane (Surr)	*105*		*78 - 120*		*11/22/23 08:43*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/22/23 08:43*	*1*

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

Client Sample ID: MW-13
Date Collected: 11/15/23 09:00
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			11/25/23 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*50 - 150*		*11/25/23 14:09*	*1*

Client Sample ID: MW-2
Date Collected: 11/15/23 10:08
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	**520**		100		ug/L			11/25/23 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*50 - 150*		*11/25/23 14:33*	*1*

Client Sample ID: MW-50
Date Collected: 11/15/23 11:17
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			11/25/23 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*50 - 150*		*11/25/23 14:57*	*1*

Client Sample ID: MW-12
Date Collected: 11/15/23 12:30
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			11/25/23 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*50 - 150*		*11/25/23 15:21*	*1*

Client Sample ID: MW-7
Date Collected: 11/15/23 14:08
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-5
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			11/25/23 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*50 - 150*		*11/25/23 12:34*	*1*

Client Sample ID: TB
Date Collected: 11/15/23 09:00
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-6
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			11/25/23 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*50 - 150*		*11/25/23 12:10*	*1*

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

Client Sample ID: MW-13
Date Collected: 11/15/23 09:00
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10		mg/L		11/28/23 13:47	11/30/23 11:44	1
TPH as Motor Oil Range	ND		0.10		mg/L		11/28/23 13:47	11/30/23 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*85*		*50 - 150*	*11/28/23 13:47*	*11/30/23 11:44*	*1*

Client Sample ID: MW-2
Date Collected: 11/15/23 10:08
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	**0.87**		0.10		mg/L		11/28/23 13:47	11/30/23 12:05	1
TPH as Motor Oil Range	ND		0.10		mg/L		11/28/23 13:47	11/30/23 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*83*		*50 - 150*	*11/28/23 13:47*	*11/30/23 12:05*	*1*

Client Sample ID: MW-50
Date Collected: 11/15/23 11:17
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	**0.11**		0.10		mg/L		11/28/23 13:47	11/30/23 12:25	1
TPH as Motor Oil Range	ND		0.10		mg/L		11/28/23 13:47	11/30/23 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*75*		*50 - 150*	*11/28/23 13:47*	*11/30/23 12:25*	*1*

Client Sample ID: MW-12
Date Collected: 11/15/23 12:30
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10		mg/L		11/28/23 13:47	11/30/23 13:35	1
TPH as Motor Oil Range	ND		0.10		mg/L		11/28/23 13:47	11/30/23 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*73*		*50 - 150*	*11/28/23 13:47*	*11/30/23 13:35*	*1*

Client Sample ID: MW-7
Date Collected: 11/15/23 14:08
Date Received: 11/16/23 09:50
Lab Sample ID: 570-161185-5
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	**0.20**		0.10		mg/L		11/28/23 13:47	11/30/23 13:56	1
TPH as Motor Oil Range	ND		0.10		mg/L		11/28/23 13:47	11/30/23 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*83*		*50 - 150*	*11/28/23 13:47*	*11/30/23 13:56*	*1*

Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161185-1

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-123)	(80-120)	(78-120)	(80-120)
570-161185-1	MW-13	103	94	103	100
570-161185-2	MW-2	104	97	102	98
570-161185-3	MW-50	97	94	97	99
570-161185-4	MW-12	100	94	101	99
570-161185-5	MW-7	107	92	103	98
570-161185-6	TB	103	95	105	99
LCS 570-386260/3	Lab Control Sample	101	104	99	102
LCSD 570-386260/4	Lab Control Sample Dup	99	103	97	102
MB 570-386260/6	Method Blank	101	94	101	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(50-150)
570-161185-1	MW-13	86
570-161185-2	MW-2	104
570-161185-3	MW-50	87
570-161185-4	MW-12	83
570-161185-5	MW-7	79
570-161185-5 MS	MW-7	109
570-161185-5 MSD	MW-7	101
570-161185-6	TB	82
LCS 570-386650/3	Lab Control Sample	102
LCSD 570-386650/4	Lab Control Sample Dup	91
MB 570-386650/5	Method Blank	82

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN
Lab Sample ID	Client Sample ID	(50-150)
570-161185-1	MW-13	85
570-161185-2	MW-2	83
570-161185-3	MW-50	75
570-161185-4	MW-12	73
570-161185-5	MW-7	83
LCS 570-387369/2-A	Lab Control Sample	87
LCSD 570-387369/3-A	Lab Control Sample Dup	86
MB 570-387369/1-A	Method Blank	94

Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161185-1

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 570-386260/6
Matrix: Water
Analysis Batch: 386260

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			11/22/23 08:14	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/22/23 08:14	1
Ethylbenzene	ND		1.0		ug/L			11/22/23 08:14	1
o-Xylene	ND		1.0		ug/L			11/22/23 08:14	1
m,p-Xylene	ND		2.0		ug/L			11/22/23 08:14	1
Toluene	ND		1.0		ug/L			11/22/23 08:14	1
Xylenes, Total	ND		2.0		ug/L			11/22/23 08:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 123*		*11/22/23 08:14*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*11/22/23 08:14*	*1*
Dibromofluoromethane (Surr)	*101*		*78 - 120*		*11/22/23 08:14*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/22/23 08:14*	*1*

Lab Sample ID: LCS 570-386260/3
Matrix: Water
Analysis Batch: 386260

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	20.30		ug/L		101	80 - 121		
Methyl-t-Butyl Ether (MTBE)			20.0	19.59		ug/L		98	78 - 123		
Ethylbenzene			20.0	20.87		ug/L		104	80 - 121		
o-Xylene			20.0	21.15		ug/L		106	80 - 122		
m,p-Xylene			40.0	44.62		ug/L		112	80 - 123		
Toluene			20.0	20.10		ug/L		100	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 123*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*78 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 570-386260/4
Matrix: Water
Analysis Batch: 386260

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			20.0	20.43		ug/L		102	80 - 121	1	20
Methyl-t-Butyl Ether (MTBE)			20.0	19.46		ug/L		97	78 - 123	1	20
Ethylbenzene			20.0	21.56		ug/L		108	80 - 121	3	20
o-Xylene			20.0	21.58		ug/L		108	80 - 122	2	20
m,p-Xylene			40.0	45.21		ug/L		113	80 - 123	1	20
Toluene			20.0	20.65		ug/L		103	80 - 120	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 123*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*

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

Lab Sample ID: LCSD 570-386260/4
Matrix: Water
Analysis Batch: 386260

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	97		78 - 120
Toluene-d8 (Surr)	102		80 - 120

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

Lab Sample ID: MB 570-386650/5
Matrix: Water
Analysis Batch: 386650

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			11/25/23 11:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		50 - 150		11/25/23 11:46	1

Lab Sample ID: LCS 570-386650/3
Matrix: Water
Analysis Batch: 386650

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 (C4-C13)			1940	2183		ug/L		112	76 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		50 - 150

Lab Sample ID: LCSD 570-386650/4
Matrix: Water
Analysis Batch: 386650

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 (C4-C13)			1940	2200		ug/L		113	76 - 128	1	10

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

Lab Sample ID: 570-161185-5 MS
Matrix: Water
Analysis Batch: 386650

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
TPH as Gasoline (C4-C13)	ND		1940	2360		ug/L		121	69 - 132		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		50 - 150

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

Lab Sample ID: 570-161185-5 MSD
Matrix: Water
Analysis Batch: 386650

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	ND		1940	2221		ug/L		114	69 - 132	6	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*50 - 150*

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

Lab Sample ID: MB 570-387369/1-A
Matrix: Water
Analysis Batch: 387906

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 387369

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10		mg/L		11/28/23 13:47	11/30/23 01:57	1
TPH as Motor Oil Range	ND		0.10		mg/L		11/28/23 13:47	11/30/23 01:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*94*		*50 - 150*	*11/28/23 13:47*	*11/30/23 01:57*	*1*

Lab Sample ID: LCS 570-387369/2-A
Matrix: Water
Analysis Batch: 387906

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 387369

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			4.00	3.956		mg/L		99	68 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*87*		*50 - 150*

Lab Sample ID: LCSD 570-387369/3-A
Matrix: Water
Analysis Batch: 387906

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 387369

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			4.00	3.971		mg/L		99	68 - 120	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*86*		*50 - 150*

QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161185-1

GC/MS VOA

Analysis Batch: 386260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-161185-1	MW-13	Total/NA	Water	8260C	
570-161185-2	MW-2	Total/NA	Water	8260C	
570-161185-3	MW-50	Total/NA	Water	8260C	
570-161185-4	MW-12	Total/NA	Water	8260C	
570-161185-5	MW-7	Total/NA	Water	8260C	
570-161185-6	TB	Total/NA	Water	8260C	
MB 570-386260/6	Method Blank	Total/NA	Water	8260C	
LCS 570-386260/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-386260/4	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 386650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-161185-1	MW-13	Total/NA	Water	NWTPH-Gx	
570-161185-2	MW-2	Total/NA	Water	NWTPH-Gx	
570-161185-3	MW-50	Total/NA	Water	NWTPH-Gx	
570-161185-4	MW-12	Total/NA	Water	NWTPH-Gx	
570-161185-5	MW-7	Total/NA	Water	NWTPH-Gx	
570-161185-6	TB	Total/NA	Water	NWTPH-Gx	
MB 570-386650/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-386650/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-386650/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
570-161185-5 MS	MW-7	Total/NA	Water	NWTPH-Gx	
570-161185-5 MSD	MW-7	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 387369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-161185-1	MW-13	Total/NA	Water	3510C	
570-161185-2	MW-2	Total/NA	Water	3510C	
570-161185-3	MW-50	Total/NA	Water	3510C	
570-161185-4	MW-12	Total/NA	Water	3510C	
570-161185-5	MW-7	Total/NA	Water	3510C	
MB 570-387369/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-387369/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-387369/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 387906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-161185-1	MW-13	Total/NA	Water	NWTPH-Dx	387369
570-161185-2	MW-2	Total/NA	Water	NWTPH-Dx	387369
570-161185-3	MW-50	Total/NA	Water	NWTPH-Dx	387369
570-161185-4	MW-12	Total/NA	Water	NWTPH-Dx	387369
570-161185-5	MW-7	Total/NA	Water	NWTPH-Dx	387369
MB 570-387369/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	387369
LCS 570-387369/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	387369
LCSD 570-387369/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	387369

Lab Chronicle

Client: GHD Services Inc.
Job ID: 570-161185-1
Project/Site: P66 Spokane - Geiger Corrections

Client Sample ID: MW-13
Lab Sample ID: 570-161185-1
Date Collected: 11/15/23 09:00
Matrix: Water
Date Received: 11/16/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	386260	11/22/23 09:04	UJHB	EET CAL 4
	Instrument ID: GCMSW									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	386650	11/25/23 14:09	NR	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3510C			245.5 mL	2.5 mL	387369	11/28/23 13:47	TR8L	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	387906	11/30/23 11:44	SP9M	EET CAL 4
	Instrument ID: GC48									

Client Sample ID: MW-2
Lab Sample ID: 570-161185-2
Date Collected: 11/15/23 10:08
Matrix: Water
Date Received: 11/16/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	386260	11/22/23 09:25	UJHB	EET CAL 4
	Instrument ID: GCMSW									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	386650	11/25/23 14:33	NR	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3510C			245.8 mL	2.5 mL	387369	11/28/23 13:47	TR8L	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	387906	11/30/23 12:05	SP9M	EET CAL 4
	Instrument ID: GC48									

Client Sample ID: MW-50
Lab Sample ID: 570-161185-3
Date Collected: 11/15/23 11:17
Matrix: Water
Date Received: 11/16/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	386260	11/22/23 09:46	UJHB	EET CAL 4
	Instrument ID: GCMSW									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	386650	11/25/23 14:57	NR	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3510C			241.7 mL	2.5 mL	387369	11/28/23 13:47	TR8L	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	387906	11/30/23 12:25	SP9M	EET CAL 4
	Instrument ID: GC48									

Client Sample ID: MW-12
Lab Sample ID: 570-161185-4
Date Collected: 11/15/23 12:30
Matrix: Water
Date Received: 11/16/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	386260	11/22/23 10:07	UJHB	EET CAL 4
	Instrument ID: GCMSW									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	386650	11/25/23 15:21	NR	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3510C			243.8 mL	2.5 mL	387369	11/28/23 13:47	TR8L	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	387906	11/30/23 13:35	SP9M	EET CAL 4
	Instrument ID: GC48									

Lab Chronicle

Client: GHD Services Inc.
Job ID: 570-161185-1
Project/Site: P66 Spokane - Geiger Corrections

Client Sample ID: MW-7
Lab Sample ID: 570-161185-5
Date Collected: 11/15/23 14:08
Matrix: Water
Date Received: 11/16/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	386260	11/22/23 10:28	UJHB	EET CAL 4
	Instrument ID: GCMSW									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	386650	11/25/23 12:34	NR	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3510C			244.7 mL	2.5 mL	387369	11/28/23 13:47	TR8L	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	387906	11/30/23 13:56	SP9M	EET CAL 4
	Instrument ID: GC48									

Client Sample ID: TB
Lab Sample ID: 570-161185-6
Date Collected: 11/15/23 09:00
Matrix: Water
Date Received: 11/16/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	386260	11/22/23 08:43	UJHB	EET CAL 4
	Instrument ID: GCMSW									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	386650	11/25/23 12:10	NR	EET CAL 4
	Instrument ID: GC56									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 570-161185-1
Project/Site: P66 Spokane - Geiger Corrections

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C916-18	10-11-23 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: GHD Services Inc.
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161185-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET CAL 4
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	EET CAL 4
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4

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 CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161185-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-161185-1	MW-13	Water	11/15/23 09:00	11/16/23 09:50
570-161185-2	MW-2	Water	11/15/23 10:08	11/16/23 09:50
570-161185-3	MW-50	Water	11/15/23 11:17	11/16/23 09:50
570-161185-4	MW-12	Water	11/15/23 12:30	11/16/23 09:50
570-161185-5	MW-7	Water	11/15/23 14:08	11/16/23 09:50
570-161185-6	TB	Water	11/15/23 09:00	11/16/23 09:50

XGW4

Loc: 570
161185

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GHD	Report To:	heather.gadwa@ghd.com	Attention:	Accounts Payable
Address:	9725 3rd Ave NE, Suite 204	Copy To:	alexa.penna-waterman@ghd.com	Company Name:	GHD
	Seattle, WA	Copy To:	jeffrey.cloud@ghd.com	Address:	9725 3rd Ave NE, Suite 204, Seattle, WA
Email To:	heather.gadwa@ghd.com	Project #:	12622473	Quote Reference:	
Phone:	253-720-2958 Fax:	Client Project ID:	P66 Spokane - Geiger Corrections	Project Manager:	Heather Gadwa
Requested Due Date/TAT:	Standard	Container Order Number:		Profile #:	

Regulatory Agency
State / Location
WA / Spokane

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM#	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	NWTPH-Gx	NWTPH-Dx/O w/o SGC	BTEX	NWTPH-Dx/O w/ SGC (On Hold)	TOC (On Hold)	Residual Chlorine (Y/N)
1	MW-13	GW	G	11/15/23	0900	—	—		11		X	X	X						X	X	X	X	X	
2	MW-2	GW		11/15/23	1008	—	—		11		X	X	X						X	X	X	X	X	
3	MW-5D	GW		11/15/23	1117	—	—		11		X	X	X						X	X	X	X	X	
4	MW-12	GW		11/15/23	1230	—	—		11		X	X	X						X	X	X	X	X	
5	MW-7	GW		11/15/23	1408	—	—		11		X	X	X						X	X	X	X	X	
6	TB	GW	↓	11/15/23	0900	—	—		2				X						X		X			
7																								
8																								
9																								
10																								
11																								
12																								

570-161185 Chain of Custody

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature] / BTS	11/15/23	1600	[signature] E	11/16/23	0950	

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	MAC HILLER					
SIGNATURE of SAMPLER:	[signature]	DATE Signed: 11/15/23				

2.0/1.9 1.5/1.4 0.9/0.8 SC12 12/1/2023

ORIGIN ID:GEGA (206) 348-8985
LEE BURES

215 CLAY ST NW

AUBURN, WA 98001
UNITED STATES US

SHIP DATE: 15NOV23
ACTWGT: 54.20 LB
CAD: 6994164/SSFE2460
DIMS: 24x14x13 IN

BILL RECIPIENT

TO SAMPLE RCV
EUROFINS CALSCIENCE
2841 DOW AVE STE 100

TUSTIN CA 92780
(714) 895-5495

REF:
INV:
PO:
DEPT:

FedEx Express

3 of 3
MPS# 0263 7864 4879 5960
Mstr# 7864 4879 5948

THU -
PRIOR

0201

XW DTHA

2 of 3
MPS# 0263 7864 4879 5959
Mstr# 7864 4879 5948

XW DTHA

1 of 3
TRK# 0201 7864 4879 5948
MASTER

THU - 16 NOV 10:30A
PRIORITY OVERNIGHT

92780
CA-US SNA

570-161185 Waybill

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-161185-1

Login Number: 161185
List Number: 1
Creator: Gutierrez, Rebecca

List Source: Eurofins Calscience

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.	False	Received Trip Blank(s) not listed on COC.
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

PREPARED FOR

Attn: Heather Gadwa
GHD Services Inc.
9725 3rd Avenue NE, Suite 204
Seattle, Washington 98115

Generated 12/1/2023 11:20:01 AM

JOB DESCRIPTION

P66 Spokane - Geiger Corrections

JOB NUMBER

570-161181-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

Eurofins Calscience

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 Calscience Project Manager.

Authorization

Generated
12/1/2023 11:20:01 AM

Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494

Table of Contents

Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161181-1

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

Case Narrative

Client: GHD Services Inc. Job ID: 570-161181-1
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161181-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-161181-1

Receipt
The sample was received on 11/16/2023 9:50 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.9º C.

GC/MS VOA
Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: DRUM (570-161181-1). Elevated reporting limits (RLs) are provided.

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-386696. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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.

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

Metals
Method 6010B: The post digestion spike % recovery for Silver associated with batch 570-385038 was outside of control limits.

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or 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.

Detection Summary

Client: GHD Services Inc.
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161181-1

Client Sample ID: DRUM

Lab Sample ID: 570-161181-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Barium	0.354		0.0100		mg/L	1		6010B	Total Recoverable
Chromium	0.112		0.0500		mg/L	1		6010B	Total Recoverable
Mercury	0.000461		0.000200		mg/L	1		7470A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: GHD Services Inc.
Job ID: 570-161181-1
Project/Site: P66 Spokane - Geiger Corrections

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Client Sample ID: DRUM
Date Collected: 11/15/23 12:00
Date Received: 11/16/23 09:50

Lab Sample ID: 570-161181-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			11/26/23 19:19	2
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/L			11/26/23 19:19	2
Ethylbenzene	ND		2.0		ug/L			11/26/23 19:19	2
o-Xylene	ND		2.0		ug/L			11/26/23 19:19	2
m,p-Xylene	ND		4.0		ug/L			11/26/23 19:19	2
Toluene	ND		2.0		ug/L			11/26/23 19:19	2
Xylenes, Total	ND		4.0		ug/L			11/26/23 19:19	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 123*		*11/26/23 19:19*	*2*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*11/26/23 19:19*	*2*
Dibromofluoromethane (Surr)	*111*		*78 - 120*		*11/26/23 19:19*	*2*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/26/23 19:19*	*2*

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161181-1

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

Client Sample ID: DRUM
Date Collected: 11/15/23 12:00
Date Received: 11/16/23 09:50

Lab Sample ID: 570-161181-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			11/25/23 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*50 - 150*		*11/25/23 13:21*	*1*

Client: GHD Services Inc.
Job ID: 570-161181-1
Project/Site: P66 Spokane - Geiger Corrections

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

Client Sample ID: DRUM
Date Collected: 11/15/23 12:00
Date Received: 11/16/23 09:50

Lab Sample ID: 570-161181-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10		mg/L		11/28/23 13:47	11/30/23 11:23	1
TPH as Motor Oil Range	ND		0.10		mg/L		11/28/23 13:47	11/30/23 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*86*		*50 - 150*	*11/28/23 13:47*	*11/30/23 11:23*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161181-1

Method: SW846 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: DRUM
Date Collected: 11/15/23 12:00
Date Received: 11/16/23 09:50

Lab Sample ID: 570-161181-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100		mg/L		11/17/23 07:59	11/17/23 18:09	1
Barium	**0.354**		0.0100		mg/L		11/17/23 07:59	11/17/23 18:09	1
Cadmium	ND		0.0100		mg/L		11/17/23 07:59	11/17/23 18:09	1
Chromium	**0.112**		0.0500		mg/L		11/17/23 07:59	11/17/23 18:09	1
Lead	ND		0.0500		mg/L		11/17/23 07:59	11/17/23 18:09	1
Selenium	ND		0.0500		mg/L		11/17/23 07:59	11/17/23 18:09	1
Silver	ND		0.0100		mg/L		11/17/23 07:59	11/17/23 18:09	1

Client: GHD Services Inc.
Job ID: 570-161181-1
Project/Site: P66 Spokane - Geiger Corrections

Method: SW846 7470A - Mercury (CVAA)

Client Sample ID: DRUM
Lab Sample ID: 570-161181-1
Date Collected: 11/15/23 12:00
Matrix: Water
Date Received: 11/16/23 09:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000461		0.000200		mg/L		11/27/23 12:09	11/28/23 15:24	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161181-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-123)	(80-120)	(78-120)	(80-120)
570-161181-1	DRUM	113	93	111	102
LCS 570-386696/4	Lab Control Sample	103	104	100	103
LCSD 570-386696/5	Lab Control Sample Dup	104	101	100	102
MB 570-386696/7	Method Blank	104	95	102	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(50-150)
570-161181-1	DRUM	85
LCS 570-386650/3	Lab Control Sample	102
LCSD 570-386650/4	Lab Control Sample Dup	91
MB 570-386650/5	Method Blank	82

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN
Lab Sample ID	Client Sample ID	(50-150)
570-161181-1	DRUM	86
LCS 570-387369/2-A	Lab Control Sample	87
LCSD 570-387369/3-A	Lab Control Sample Dup	86
MB 570-387369/1-A	Method Blank	94

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 570-386696/7
Matrix: Water
Analysis Batch: 386696

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			11/26/23 12:16	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/26/23 12:16	1
Ethylbenzene	ND		1.0		ug/L			11/26/23 12:16	1
o-Xylene	ND		1.0		ug/L			11/26/23 12:16	1
m,p-Xylene	ND		2.0		ug/L			11/26/23 12:16	1
Toluene	ND		1.0		ug/L			11/26/23 12:16	1
Xylenes, Total	ND		2.0		ug/L			11/26/23 12:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 123*		*11/26/23 12:16*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*11/26/23 12:16*	*1*
Dibromofluoromethane (Surr)	*102*		*78 - 120*		*11/26/23 12:16*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/26/23 12:16*	*1*

Lab Sample ID: LCS 570-386696/4
Matrix: Water
Analysis Batch: 386696

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	22.09		ug/L		110	80 - 121		
Methyl-t-Butyl Ether (MTBE)			20.0	21.57		ug/L		108	78 - 123		
Ethylbenzene			20.0	22.30		ug/L		112	80 - 121		
o-Xylene			20.0	23.23		ug/L		116	80 - 122		
m,p-Xylene			40.0	47.43		ug/L		119	80 - 123		
Toluene			20.0	21.64		ug/L		108	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 123*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*78 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 570-386696/5
Matrix: Water
Analysis Batch: 386696

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			20.0	21.30		ug/L		106	80 - 121	4	20
Methyl-t-Butyl Ether (MTBE)			20.0	21.74		ug/L		109	78 - 123	1	20
Ethylbenzene			20.0	21.30		ug/L		106	80 - 121	5	20
o-Xylene			20.0	22.65		ug/L		113	80 - 122	3	20
m,p-Xylene			40.0	45.56		ug/L		114	80 - 123	4	20
Toluene			20.0	20.87		ug/L		104	80 - 120	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 123*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

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

Lab Sample ID: LCSD 570-386696/5
Matrix: Water
Analysis Batch: 386696

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	100		78 - 120
Toluene-d8 (Surr)	102		80 - 120

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

Lab Sample ID: MB 570-386650/5
Matrix: Water
Analysis Batch: 386650

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			11/25/23 11:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		50 - 150		11/25/23 11:46	1

Lab Sample ID: LCS 570-386650/3
Matrix: Water
Analysis Batch: 386650

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 (C4-C13)			1940	2183		ug/L		112	76 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		50 - 150

Lab Sample ID: LCSD 570-386650/4
Matrix: Water
Analysis Batch: 386650

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 (C4-C13)			1940	2200		ug/L		113	76 - 128	1	10

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

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

Lab Sample ID: MB 570-387369/1-A
Matrix: Water
Analysis Batch: 387906

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 387369

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10		mg/L		11/28/23 13:47	11/30/23 01:57	1
TPH as Motor Oil Range	ND		0.10		mg/L		11/28/23 13:47	11/30/23 01:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	94		50 - 150	11/28/23 13:47	11/30/23 01:57	1

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

Lab Sample ID: LCS 570-387369/2-A
Matrix: Water
Analysis Batch: 387906

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 387369

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			4.00	3.956		mg/L		99	68 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*87*		*50 - 150*

Lab Sample ID: LCSD 570-387369/3-A
Matrix: Water
Analysis Batch: 387906

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 387369

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			4.00	3.971		mg/L		99	68 - 120	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*86*		*50 - 150*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-384682/1-A
Matrix: Water
Analysis Batch: 385038

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 384682

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100		mg/L		11/17/23 07:59	11/17/23 16:21	1
Barium	ND		0.0100		mg/L		11/17/23 07:59	11/17/23 16:21	1
Cadmium	ND		0.0100		mg/L		11/17/23 07:59	11/17/23 16:21	1
Chromium	ND		0.0500		mg/L		11/17/23 07:59	11/17/23 16:21	1
Lead	ND		0.0500		mg/L		11/17/23 07:59	11/17/23 16:21	1
Selenium	ND		0.0500		mg/L		11/17/23 07:59	11/17/23 16:21	1
Silver	ND		0.0100		mg/L		11/17/23 07:59	11/17/23 16:21	1

Lab Sample ID: LCS 570-384682/2-A
Matrix: Water
Analysis Batch: 385038

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 384682

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			0.500	0.5194		mg/L		104	80 - 120		
Barium			0.500	0.5190		mg/L		104	80 - 120		
Cadmium			0.500	0.5111		mg/L		102	80 - 120		
Chromium			0.500	0.5269		mg/L		105	80 - 120		
Lead			0.500	0.5187		mg/L		104	80 - 120		
Selenium			0.500	0.4880		mg/L		98	80 - 120		
Silver			0.250	0.2572		mg/L		103	80 - 120		

Lab Sample ID: LCSD 570-384682/3-A
Matrix: Water
Analysis Batch: 385038

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 384682

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			0.500	0.5035		mg/L		101	80 - 120	3	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-384682/3-A
Matrix: Water
Analysis Batch: 385038

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 384682

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium			0.500	0.5143		mg/L		103	80 - 120	1	20
Cadmium			0.500	0.5047		mg/L		101	80 - 120	1	20
Chromium			0.500	0.5220		mg/L		104	80 - 120	1	20
Lead			0.500	0.5118		mg/L		102	80 - 120	1	20
Selenium			0.500	0.4843		mg/L		97	80 - 120	1	20
Silver			0.250	0.2539		mg/L		102	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 570-386876/1-A
Matrix: Water
Analysis Batch: 387415

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 386876

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		11/27/23 12:09	11/28/23 15:13	1

Lab Sample ID: LCS 570-386876/2-A
Matrix: Water
Analysis Batch: 387415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386876

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00800	0.007722		mg/L		97	80 - 120		

Lab Sample ID: LCSD 570-386876/3-A
Matrix: Water
Analysis Batch: 387415

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 386876

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00800	0.007744		mg/L		97	80 - 120	0	10

QC Association Summary

Client: GHD Services Inc.
Job ID: 570-161181-1
Project/Site: P66 Spokane - Geiger Corrections

GC/MS VOA

Analysis Batch: 386696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-161181-1	DRUM	Total/NA	Water	8260C	
MB 570-386696/7	Method Blank	Total/NA	Water	8260C	
LCS 570-386696/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-386696/5	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 386650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-161181-1	DRUM	Total/NA	Water	NWTPH-Gx	
MB 570-386650/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-386650/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-386650/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 387369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-161181-1	DRUM	Total/NA	Water	3510C	
MB 570-387369/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-387369/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-387369/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 387906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-161181-1	DRUM	Total/NA	Water	NWTPH-Dx	387369
MB 570-387369/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	387369
LCS 570-387369/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	387369
LCSD 570-387369/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	387369

Metals

Prep Batch: 384682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-161181-1	DRUM	Total Recoverable	Water	3005A	
MB 570-384682/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-384682/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-384682/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Analysis Batch: 385038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-161181-1	DRUM	Total Recoverable	Water	6010B	384682
MB 570-384682/1-A	Method Blank	Total Recoverable	Water	6010B	384682
LCS 570-384682/2-A	Lab Control Sample	Total Recoverable	Water	6010B	384682
LCSD 570-384682/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	384682

Prep Batch: 386876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-161181-1	DRUM	Total/NA	Water	7470A	
MB 570-386876/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-386876/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-386876/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

QC Association Summary

Client: GHD Services Inc.
Job ID: 570-161181-1
Project/Site: P66 Spokane - Geiger Corrections

Metals

Analysis Batch: 387415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-161181-1	DRUM	Total/NA	Water	7470A	386876
MB 570-386876/1-A	Method Blank	Total/NA	Water	7470A	386876
LCS 570-386876/2-A	Lab Control Sample	Total/NA	Water	7470A	386876
LCSD 570-386876/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	386876

Lab Chronicle

Client: GHD Services Inc.
Job ID: 570-161181-1
Project/Site: P66 Spokane - Geiger Corrections

Client Sample ID: DRUM
Date Collected: 11/15/23 12:00
Date Received: 11/16/23 09:50

Lab Sample ID: 570-161181-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	5 mL	5 mL	386696	11/26/23 19:19	B7TT	EET CAL 4
	Instrument ID: GCMSW									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	386650	11/25/23 13:21	NR	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3510C			243.4 mL	2.5 mL	387369	11/28/23 13:47	TR8L	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	387906	11/30/23 11:23	SP9M	EET CAL 4
	Instrument ID: GC48									
Total Recoverable	Prep	3005A			50 mL	50 mL	384682	11/17/23 07:59	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			385038	11/17/23 18:09	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7470A			25 mL	50 mL	386876	11/27/23 12:09	EV3M	EET CAL 4
Total/NA	Analysis	7470A		1			387415	11/28/23 15:24	CS5Z	EET CAL 4
	Instrument ID: HG9									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 570-161181-1
Project/Site: P66 Spokane - Geiger Corrections

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C916-18	10-11-23 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: GHD Services Inc.
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161181-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET CAL 4
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	EET CAL 4
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
7470A	Mercury (CVAA)	SW846	EET CAL 4
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
7470A	Preparation, Mercury	SW846	EET CAL 4

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 CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Spokane - Geiger Corrections

Job ID: 570-161181-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-161181-1	DRUM	Water	11/15/23 12:00	11/16/23 09:50

Loc: 570
161181

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GHD	Report To:	heather.gadwa@ghd.com	Attention:	Accounts Payable
Address:	9725 3rd Ave NE, Suite 204	Copy To:	alexa.penna-waterman@ghd.com	Company Name:	GHD
	Seattle, WA	Copy To:	jeffrey.cloud@ghd.com	Address:	9725 3rd Ave NE, Suite 204, Seattle, W.
Email To:	heather.gadwa@ghd.com	Project #:	12622473	Quote Reference:	
Phone:	253-720-2958 Fax:	Client Project ID:	P66 Spokane - Geiger Corrections	Project Manager:	Heather Gadwa
Requested Due Date/TAT:	Standard	Container Order Number:		Profile #:	

Regulatory Agency
State / Location
WA / Spokane

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM#	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N)	Analyses Test	NWTPH-Gx	NWTPH-Dx/O	VOCs	RCRA 8 Metals	Residual Chlorine (Y/N)
																		Y/N						
1	DRUM	GW	G	11/15/23	1200	—	—		9			X	X							X	X	X	X	
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

570-161181 Chain of Custody

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature] / BTS	11/15/23	1600	[signature]	11/14/23	0950	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	MAC HILLER		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	[signature]	DATE Signed: 11/15/23				

2.0/1.9 SC12

ORIGIN ID:6EGA (206) 348-8985
LEE BURES

215 CLAY ST NW

AUBURN, WA 98001
UNITED STATES US

SHIP DATE: 15NOV23
ACTWGT: 59.25 LB
CAD: 6994164/SSFE2460
DIMS: 24x14x13 IN

BILL RECIPIENT

TO SAMPLE RCV
EUROFINS CALSCIENCE
2841 DOW AVE STE 100

TUSTIN CA 92780

(714) 895-5496 REF:
INV:
PO: DEPT:

FedEx Express

1 of 3

TRK# 0201 7864 4879 5948

THU - 16 NOV 10:30A
PRIORITY OVERNIGHT

MASTER

XW DTHA

92780
CA-US SNA

570-161181 Waybill

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-161181-1

Login Number: 161181
List Number: 1
Creator: Gutierrez, Rebecca

List Source: Eurofins Calscience

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	


GHD