Transmittal

March 24, 2021

To: Mr. Kyle Parker
Toxics Cleanup Program
Department of Ecology - Central Regional Office
1250 W. Alder Street, Union Gap, WA 98903

Ref. No.: 11220390

From: Matthew Davis

GHD Tel: 425-563-6541

Subject: 2020 Annual Groundwater Monitoring Report – Former Union Oil Bulk Facility - Yakima

No. of Copies	Description/Title	Drawing No./ Document Ref.	Issue
1	2020 Annual Groundwater Monitoring Report	4	

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Remarks:

Copy to: Ed Ralston, P66 (via Livelink)

Completed by: Matthew Davis [Please Print] Signed: Matthew Davis

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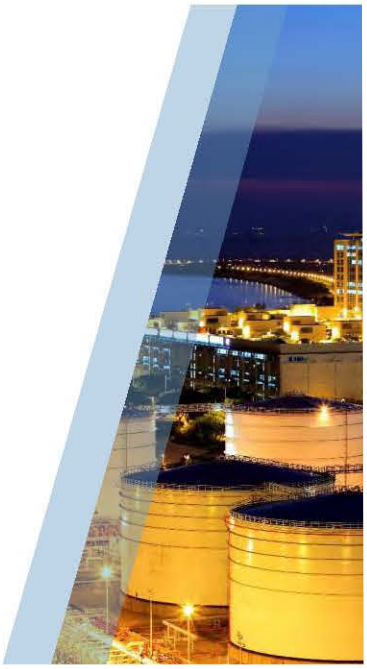
2020 Annual Groundwater Monitoring Report

Former Union Oil Facility
Phillips 66 Site 5886 (Formerly 980)
920 North 6th Avenue
Yakima, Washington
Facility Site ID: 53365837
VCP Site ID: CE0468

Phillips 66 Company



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Appendix Index

1. Introduction

GHD Services Inc. (GHD) prepared this report on behalf of Phillips 66 Company (P66). This annual report includes all groundwater monitoring data collected in 2020.

1.1 Site Information

Site Address	920 North 6th Avenue, Yakima, Washington
Site Use	Active Bulk Fuel Terminal
GHD Project Manager	Matthew Davis
Lead Agency	Washington Department of ecology Voluntary Cleanup Program (VCP)
VCP No.	CE0468

2. Site Activities and Findings

2.1 Current Activities

Groundwater monitoring and sampling was completed by Blaine Tech Services, Inc. (BTS) according to the established monitoring program during 2020. Groundwater monitoring and sampling consisted of measuring depth to water in each well from the surveyed top of casing elevation and collecting a groundwater sample using low-flow sampling procedures. Groundwater samples were placed immediately on ice and shipped under chain of custody to an approved laboratory for analysis of the Site constituents of concern.

GHD prepared a site location map (Figure 1) and groundwater contour and chemical concentration maps (Figures 2 through 5). GHD prepared Table 1 summarizing groundwater monitoring data and laboratory analytical results. Field forms and the laboratory analytical reports are included as Appendices A and B, respectively.

2.2 Findings

Quarter/Date	**1st/March 9, 2020**
Groundwater Flow Direction	Southeast
Hydraulic Gradient	0.01 foot/foot
Depth to Water	23.48 to 26.04 feet below top of well casing

Quarter/Date	**2nd/June 17, 2020**
Groundwater Flow Direction	Southeast
Hydraulic Gradient	0.01 foot/foot
Depth to Water	18.49 to 19.78 feet below top of well casing
Quarter/Date	**3rd/September 10, 2020**
Groundwater Flow Direction	Southeast
Hydraulic Gradient	0.04 foot/foot
Depth to Water	14.02 to 17.22 feet below top of well casing
Quarter/Date	**4th/December 1, 2020**
Groundwater Flow Direction	Southeast
Hydraulic Gradient	0.02 foot/foot
Depth to Water	17.36 to 19.96 feet below top of well casing

Groundwater monitoring activities included gauging all site wells and sampling wells MW-15, MW-17 and MW-19 in second, third and fourth quarters of 2020. Quarterly groundwater sampling was not completed in first quarter of 2020 due to the presence of LNAPL in well MW-15 and obstructions encountered in wells MW-17 and MW-19. An LNAPL recovery event was completed in April 2020, at which point the obstructions in wells MW-17 and MW-19 were removed. Further information summarizing the site investigation activities can be found in the *Groundwater Monitoring and Site Activities Report* submitted to the Washington State Department of Ecology on July 24,2020.

Laboratory analytical results indicate concentrations of total petroleum hydrocarbons as gasoline (TPHg), diesel (TPHd) and benzene exceeding MTCA Method A cleanup levels in well MW-15 during second and third quarter sampling events. Laboratory analytical results indicate concentrations of TPHd were below MTCA Method A cleanup levels and/or reporting limits for MW-17 and MW-19 during the three consecutive quarters of sampling. In November of 2020, GHD completed interim action activities to inject Petrofix®, a micro-carbon solution, at three locations within the vicinity of MW-15. Sulfate and nitrate concentrations were monitored as part of the post injection monitoring as required by the Washington State Department of Ecology Underground Injection Control permit (UIC) obtained for the injection activities. During injection activities, repairs were made to well MW-19 to repair a crack in the casing approximately 1.5 below ground surface. A summary of the interim action activities and follow-up post-injection monitoring will be reported under separate cover. Fourth quarter sampling was completed on December 1, 2020 following the interim action activities. Laboratory analytical results indicate concentrations TPHd and benzene

exceeding MTCA Method A cleanup levels in MW-15. TPHg concentrations were below MTCA Method A cleanup levels after exceeding cleanup levels for eight consecutive quarters. GHD will continue to monitor and determine if concentrations decrease over time.

GHD will continue post-injection and quarterly groundwater monitoring activities to evaluate whether impacts attenuate following injection activities. Monitoring wells MW-17 and MW-19 have been below MTCA Method A cleanup levels for three consecutive quarters. Following four consecutive quarters of results below MTCA Method A cleanup levels, GHD will request discontinuing monitoring of wells MW-17 and MW-19.

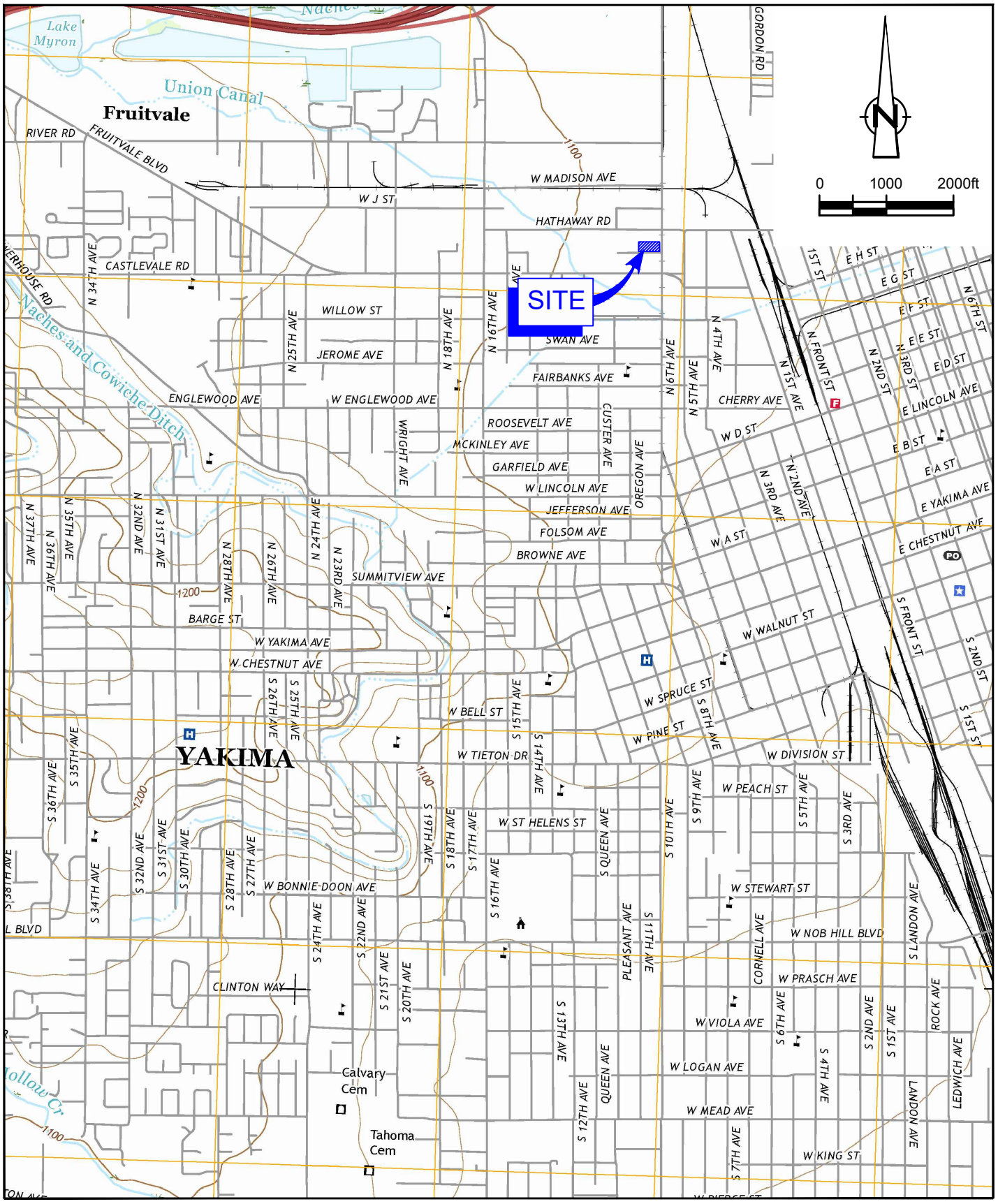
All of Which is Respectfully Submitted,

GHD

Arthur Clauss, GIT

Matthew Davis, LG

Figures



Source: USGS QUADRANGLE MAP: YAKIMA WEST, WA. (2017).

PHILLIPS 66
920 NORTH 6TH AVENUE
YAKIMA, WASHINGTON

11220390

Jan 8, 2021

SITE LOCATION MAP

FIGURE 1

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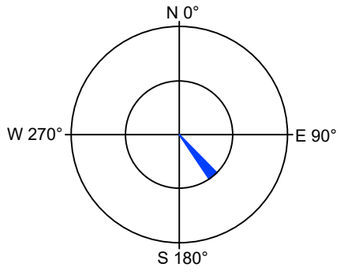
LEGEND

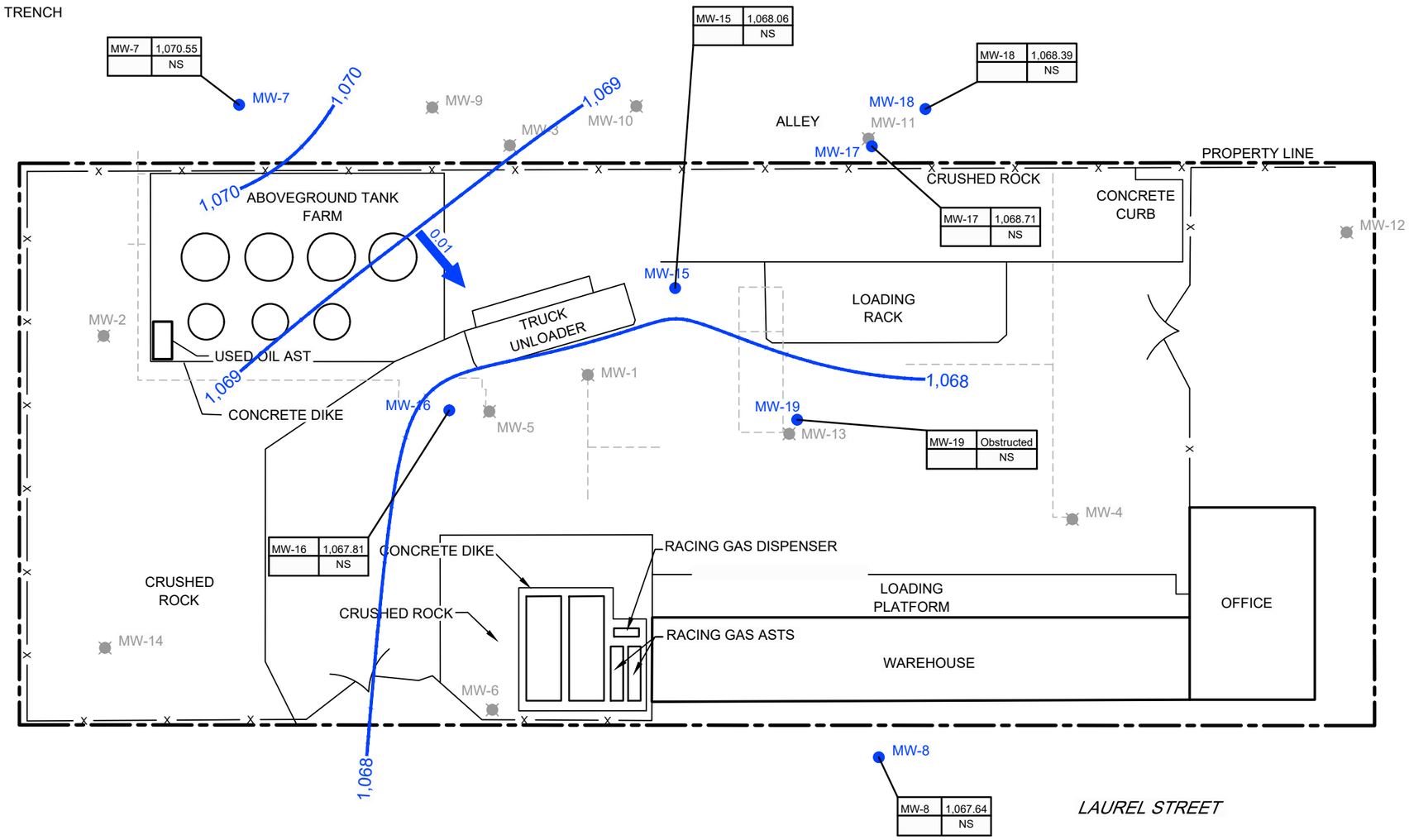
- APPROXIMATE PROPERTY LINE
- MW-1 — MONITORING WELL LOCATION
- MW-6 — DECOMMISSIONED/ABANDONED MONITORING WELL LOCATION
- ABANDONED IN PLACE UNDERGROUND PIPING TRENCH
- 1,071 — GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED (FEET AMSL)
- 0.01 — GROUNDWATER FLOW DIRECTION AND GRADIENT
- SAMPLE LOCATION
- GROUNDWATER ELEVATION (MSL)
- RESULT
- PARAMETER

MW-16	1,068.96
TPHg	<100
TPHd	<400
TPHo	<400
Benzene	<1.0

NOTES:
1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L)
1. TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
2. TPH-D = TOTAL PETROLEUM HYDROCARBONS AS DIESEL
3. TPH-O = TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
4. B = BENZENE
5. <X = NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT
6. NS = NOT SAMPLED



GROUNDWATER FLOW DIRECTION



Source: STANTEC, FIGURE 2, SITE MAP WITH ANALYTICAL RESULTS (JUNE 14 & 15, 2010), DATED 7/12/10. STATEWIDE LAND SURVEYING, INC. 6/5/18.

0 15 30ft

PHILLIPS 66 SITE 5886 (Formerly 980)
920 NORTH 6TH AVENUE
YAKIMA, WASHINGTON

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP - MARCH 9, 2020

11220390

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FIGURE 2

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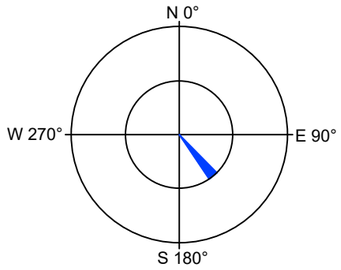
LEGEND

- APPROXIMATE PROPERTY LINE
- MW-1 — MONITORING WELL LOCATION
- MW-6 — DECOMMISSIONED/ABANDONED MONITORING WELL LOCATION
- ABANDONED IN PLACE UNDERGROUND PIPING TRENCH
- 1,071 — GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED (FEET AMSL)
- 0.01 — GROUNDWATER FLOW DIRECTION AND GRADIENT
- SAMPLE LOCATION
- GROUNDWATER ELEVATION (MSL)
- RESULT
- PARAMETER

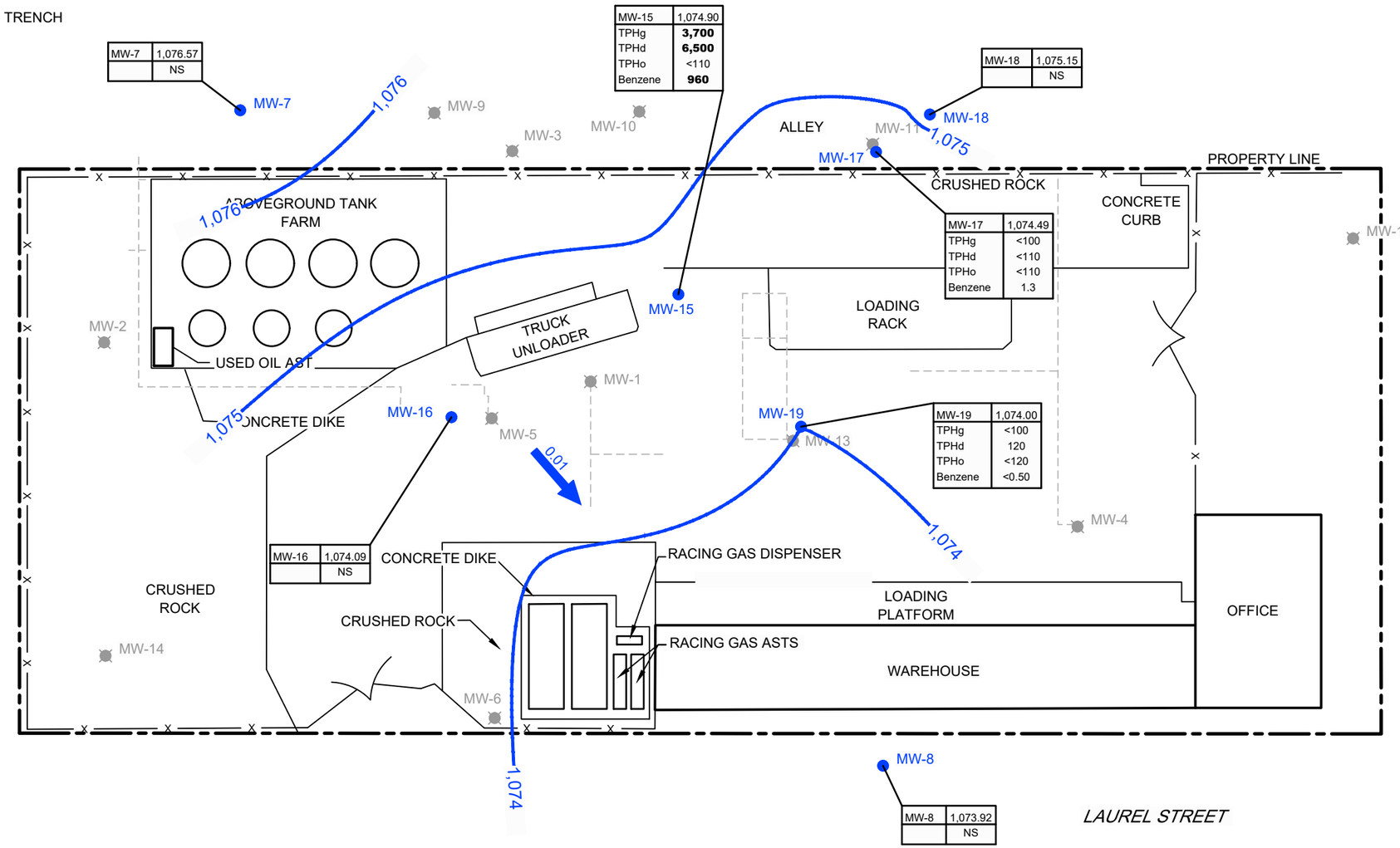
MW-17	1,072.69
TPHg	<100
TPHd	<93
Benzene	<1.0

NOTES:

1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L)
1. TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
2. TPH-D = TOTAL PETROLEUM HYDROCARBONS AS DIESEL
3. TPH-O = TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
4. B = BENZENE
5. <X = NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT
6. NS = NOT SAMPLED
7. BOLD = EXCEEDANCE ABOVE MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL



GROUNDWATER FLOW DIRECTION



Source: STANTEC, FIGURE 2, SITE MAP WITH ANALYTICAL RESULTS (JUNE 14 & 15, 2010), DATED 7/12/10. STATEWIDE LAND SURVEYING, INC. 6/5/18.

0 15 30ft

PHILLIPS 66 SITE 5886 (Formerly 980)
920 NORTH 6TH AVENUE
YAKIMA, WASHINGTON

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP - JUNE 17, 2020

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FIGURE 3

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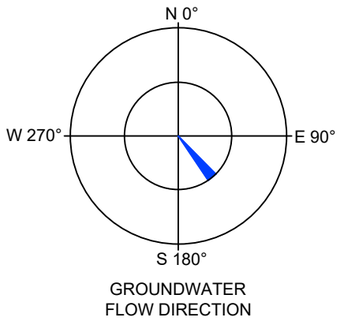
LEGEND

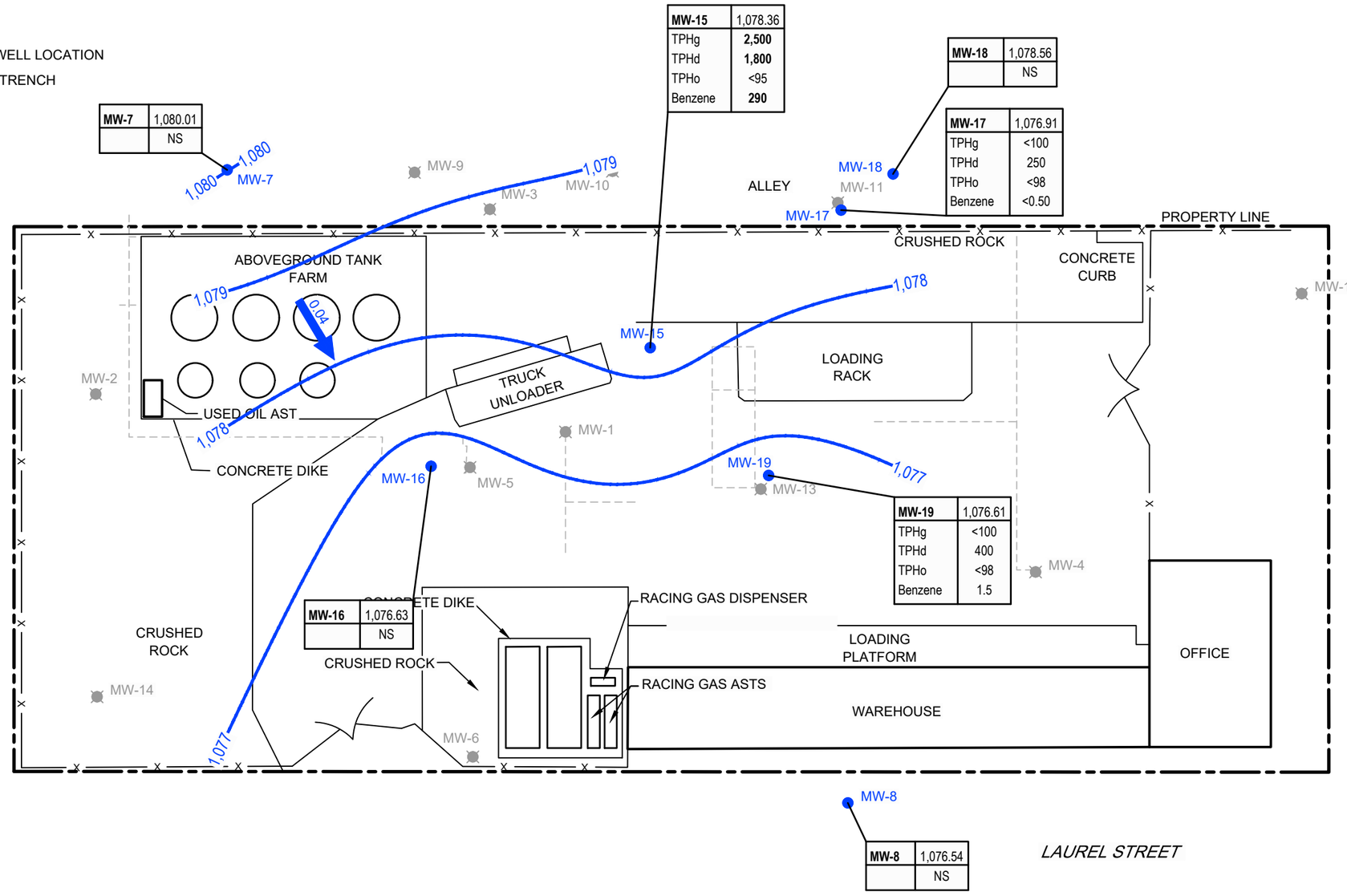
- APPROXIMATE PROPERTY LINE
- MW-1 — MONITORING WELL LOCATION
- MW-6 — DECOMMISSIONED/ABANDONED MONITORING WELL LOCATION
- ABANDONED IN PLACE UNDERGROUND PIPING TRENCH
- 1,071 — GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED (FEET AMSL)
- 0.04 — GROUNDWATER FLOW DIRECTION AND GRADIENT
- SAMPLE LOCATION
- GROUNDWATER ELEVATION (MSL)
- RESULT
- PARAMETER

MW-16	1,068.96
TPHg	<100
TPHd	<400
TPHo	<400
Benzene	<1.0

NOTES:
1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L)
1. TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
2. TPH-D = TOTAL PETROLEUM HYDROCARBONS AS DIESEL
3. TPH-O = TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
4. B = BENZENE
5. <X = NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT.
6. NS = NOT SAMPLED
7. BOLD = EXCEEDANCE ABOVE MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL
8. WELL MW-17 NOT USED IN CONTOURING.



GROUNDWATER FLOW DIRECTION



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0 15 30ft

PHILLIPS 66 SITE 5886 (Formerly 980)
920 NORTH 6TH AVENUE
YAKIMA, WASHINGTON

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP - SEPTEMBER 10, 2020

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FIGURE 4

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LEGEND

- APPROXIMATE PROPERTY LINE
- MW-1 — MONITORING WELL LOCATION
- MW-6 — DECOMMISSIONED/ABANDONED MONITORING WELL LOCATION
- ABANDONED IN PLACE UNDERGROUND PIPING TRENCH
- 1,071 — GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED (FEET AMSL)
- 0.02 — GROUNDWATER FLOW DIRECTION AND GRADIENT

MW-16	1,068.96
TPHg	<100
TPHd	<400
TPHo	<400
Benzene	<1.0

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

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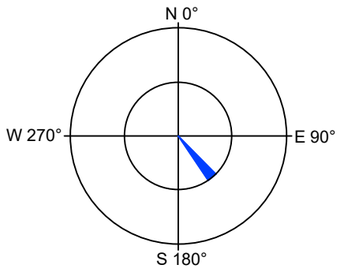
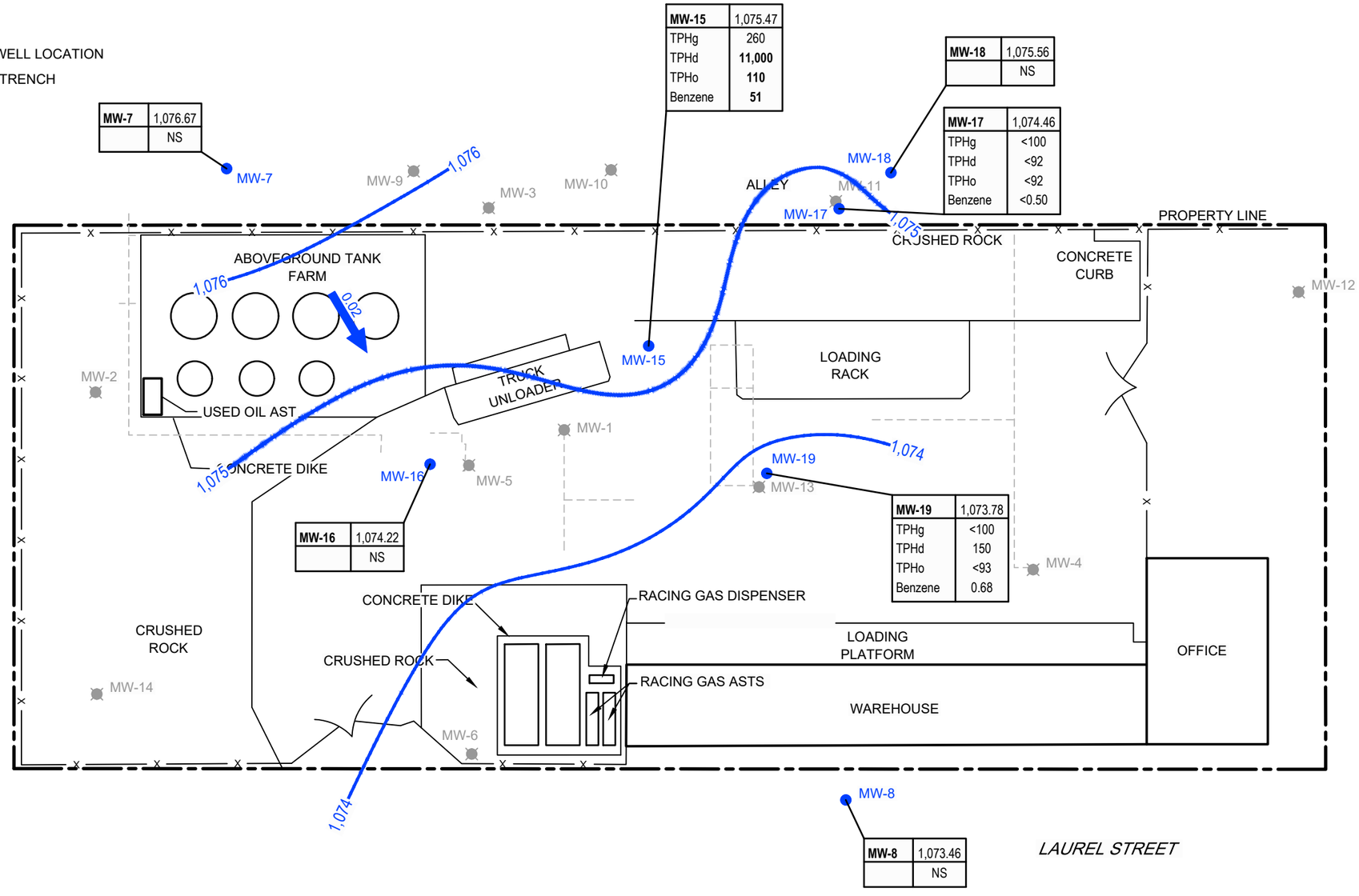
6. NS = NOT SAMPLED
7. BOLD = EXCEEDANCE ABOVE MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL



GROUNDWATER FLOW DIRECTION



Source: STANTEC, FIGURE 2, SITE MAP WITH ANALYTICAL RESULTS (JUNE 14 & 15, 2010), DATED 7/12/10. STATEWIDE LAND SURVEYING, INC. 6/5/18.

0 15 30ft

PHILLIPS 66 SITE 5886 (Formerly 980)
920 NORTH 6TH AVENUE
YAKIMA, WASHINGTON

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP - DECEMBER 1, 2020

11220390
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FIGURE 5

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Table

Table 1

Groundwater Monitoring Data and Analytical Results
76 Products Facility No. 351384
920 North 6th Avenue
Yakima, Washington

Well ID	Sample Date	TOC Elevation (feet)	Depth to Water (feet)	LPH (feet)	GW Elevation (feet)	TPH-G (ug/L)	TPH-D (ug/L)	TPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	EDC (ug/L)	EDB (ug/L)	Total Lead (ug/L)	Dissolved Lead (ug/L)	Ethanol (ug/L)	Naphthalene (ug/L)	Nitrate (ug/L)	Sulfate (ug/L)
MTCA Method A Cleanup Levels:						800	500	500	5	1,000	700	1,000	20	5	0.01	15	15	NE	160	NE	NE
MW-1	7/14/1989	104.44	--		--	--	--	**38,000**	<0.5	<0.5	1.4	5.5	--	--	--	--	--	--	--	--	--
MW-1	5/23/1991	103.8	14.04	--	90.40	<1,000	<1000	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
MW-1	9/25/1991	103.8	18.57	--	85.87	<1,000	<1000	<1,000	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
MW-1	9/28/1998	103.8	14.10		90.34	<50	**638**	<500	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	--
MW-1	3/24/1999	103.8	21.96	--	83.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	4/28/1999	103.8	18.21	--	83.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	3/22/2000	103.8	20.73	--	83.71	84.1	**1,800**	<500	**12.9**	<0.500	<0.500	<1.00	<5.00	--	--	--	--	--	--	--	--
MW-1	9/14/2000	103.8	14.01	--	90.43	<50.0	**730**	<500	<0.5	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-1	4/12/2001	103.8	20.08	--	84.36	118	**60,100**	<20,500	**8.31**	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-1	9/12/2001	103.8	14.05	--	90.39	<50.0	261	<500	<0.5	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-1	3/20/2002	103.8	18.98		85.46	245	**71,600**	**1,050**	<0.5	<2.00	<1.00	<1.50	<5.00	--	--	--	--	--	--	--	--
MW-1	9/25/2002	103.8	14.13	--	90.31	<100	383	<500	1.70	2.99	<1.00	1.55	--	--	--	--	--	--	--	--	--
MW-1	3/11/2003	103.8	17.51	--	86.93	639	**10,200**	<500	**158**	2.97	17.7	23.8	--	--	--	--	--	--	--	--	--
MW-1	7/31/2003	103.8	13.96	--	90.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	9/23/2003	103.8	14.26	--	90.18	<50	**974**	<500	<0.5	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-1	3/9/2004	103.8	20.43	--	84.01	**1,220**	**573**	<237	**673**	<10	99.9	144.4	--	--	--	--	--	--	--	--	--
MW-1	9/13/2004	103.8	14.10	--	90.34	588	**8,470**	<498	<1.0	<1	<1	<2	--	--	--	--	--	--	--	--	--
MW-1	4/7/2005	103.8	23.05	--	81.39	**19,200**	**620,000**	**8,890**	**78.5**	<50	<50	64.6	--	--	--	--	--	--	--	--	--
MW-1	6/16/2005	103.8	16.02	--	88.42	**1,090**	**191,000**	<10,200	<1.0	<1	1.67	8.37	--	--	--	--	--	--	--	--	--
MW-1	9/27/2005	103.8	14.33	--	90.11	<48	**2,100**	180	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--	--	--	--
MW-1	12/6/2005	103.8	17.11	--	87.33	110	**13,000**	<2,000	2.0	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-1	2/3/2006	103.8	18.53	--	85.91	200	**1,600**	<98	**95**	2	9	29	--	--	--	--	--	--	--	--	--
MW-1	4/26/2006	103.8	15.30	--	89.14	380	**9,000**	<500	**30**	2.0	28	83	--	--	--	--	--	--	--	--	--
MW-1	7/26/2006	103.8	13.96	--	90.48	<48	130	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-1	10/18/2006	103.8	14.51	--	89.93	<48	310	<98	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-1	1/23/2007	103.8	19.01	--	85.43	<48	**3,800**	<500	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-1	4/19/2007	103.8	18.75	--	85.69	62	**2,410**	<490	1.50	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-1	7/17/2007	103.8	14.12	--	89.68	<50	400	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-1	10/15/2007	103.8							Unable to open												
MW-1	1/16/2008	103.8							Unable to open												
MW-1	4/17/2008	103.8	19.78	--	84.02	<50	290	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-1	10/15/2008	103.8	Unable to gauge			<50	<78	<98	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-1	4/8/2009	103.8	21.20	--	82.60	439	400	<410	1.4	<1.0	1.6	8.2	<1.0	<1.0	<0.010	8.02	6.26	--	--	--	--
MW-1	6/24/2009	103.8	14.35	--	89.45					Gauge only this quarter.											
MW-1	9/21/2009	103.8	13.75	--	90.05					Gauge only this quarter.											
MW-1	11/30/2009	103.8	16.54	--	87.26					Gauge only this quarter.											
MW-1	3/2/2010	103.8	19.83	--	83.97	299	228	98.5 J	**80.9**	1.1	7.5	13.0	--	--	--	--	--	--	--	--	--
MW-1	6/14/2010	103.8	14.87	--	88.93	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-1	8/30/2010	103.8	13.13	--	90.67	<50.0	<79.2	<396	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-1	12/14/2010	103.8	16.54	--	87.26	<50.0	256	<396	**76.3**	<1.0	3.9	9.3	--	--	--	--	--	--	--	--	--
MW-1	3/21/2011	103.8	20.37	--	83.43	<50.0	78.5	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-1	5/19/2011	103.8	15.93	--	87.87	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-1	9/8/2011	103.8	13.35	--	90.45	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-1	12/28/11[b]	103.8	18.22	--	85.58	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-1	3/8/2012	103.8	21.09	--	82.71	<50	<29	<67	0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-1	6/27/2012	103.8	13.78	--	90.02	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-1	9/4/2012	103.8	12.90	--	90.90	<50	<29	<68	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-1	11/27/2012	103.8	15.80	--	88.00	130	**1,100**	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-1	3/25/2013	103.8	22.10	--	81.70	<50	<32	<74	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-1	6/13/2013	103.8	16.10	--	87.70	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-1	9/23/2013	103.8	14.00	--	89.80	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-1	12/12/2013	103.8	17.30	--	86.50	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-1	4/9/2014	103.8							Well was dry												
MW-1	6/25/2014	103.8							Well was dry												
MW-1	9/24/2014	103.8							Well was dry												
MW-1	12/28/2015	103.8							Unable to locate												
MW-2	7/14/1989	105.98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
MW-2	5/23/1991	105.76	14.12		91.86	<1,000	<1,000	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
MW-2	9/25/1991	105.76	18.91	--	87.07	<1,000	<1,000	<1,000	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
MW-2	9/28/1998	105.76	14.52	--	91.46	<50	<250	<500	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	--
MW-2	3/24/1999	105.76	22.45	--	83.53	<50	<250	<500	<0.5	<0.5	<0.5	<1.0	<5.00	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
76 Products Facility No. 351384
920 North 6th Avenue
Yakima, Washington

Well ID	Sample Date	TOC Elevation (feet)	Depth to Water (feet)	LPH (feet)	GW Elevation (feet)	TPH-G (ug/L)	TPH-D (ug/L)	TPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	EDC (ug/L)	EDB (ug/L)	Total Lead (ug/L)	Dissolved Lead (ug/L)	Ethanol (ug/L)	Naphthalene (ug/L)	Nitrate (ug/L)	Sulfate (ug/L)
MTCA Method A Cleanup Levels:						800	500	500	5	1,000	700	1,000	20	5	0.01	15	15	NE	160	NE	NE
MW-2	3/22/2000	105.76	22.25	--	83.73	<50.0	**5,660**	<500	<0.500	<0.500	<0.500	<1.00	<5.00	--	--	--	--	--	--	--	--
MW-2	9/14/2000	105.76	14.43	--	91.55	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-2	4/12/2001	105.76	21.01	--	84.97	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-2	9/12/2001	105.76	14.44	--	91.54	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-2	3/20/2002	105.76	19.80	--	86.18	<100	<250	<500	<0.500	<2.00	<1.00	<1.50	<5.00	--	--	--	--	--	--	--	--
MW-2	9/25/2002	105.76	14.63	--	91.35	<100	<250	<500	<0.500	<2.00	<1.00	<1.50	--	--	--	--	--	--	--	--	--
MW-2	3/11/2003	105.76	18.20	--	87.78	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-2	7/31/2003	105.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	9/23/2003	105.76	14.79	--	91.19	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-2	3/9/2004	105.76	21.73	--	84.25	<100	<119	<238	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-2	8/24/2004	105.76	14.48	--	91.50	<100	<247	<494	<1	<1	<1	<2	--	--	--	--	--	--	--	--	--
MW-2	4/7/2005	105.76	Well covered by drums																		
MW-2	6/16/2005	105.76	16.75	--	89.23	<100	<271	<542	<1	<1	<1	<2	--	--	--	--	--	--	--	--	--
MW-2	9/27/2005	105.76	14.70	--	91.28	<48	<82	<100	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--	--	--	--
MW-2	12/6/2005	105.76	18.01	--	87.97	<48	93	180	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-2	2/3/2006	105.76	19.68	--	86.30	<48	<82	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-2	4/26/2006	105.76	15.62	--	90.36	<48	<77	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-2	7/26/2006	105.76	14.25	--	91.73	<48	190	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-2	10/18/2006	105.76	14.95	--	91.03	<48	<79	<99	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-2	1/23/2007	105.76	19.97	--	86.01	<48	<79	<99	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-2	4/19/2007	105.76	Not sampled																--	--	--
MW-2	7/17/2007	105.76	14.35	--	91.41	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-2	10/16/2007	105.76	14.47	--	91.29	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-2	1/16/2008	105.76	Unable to locate																		
MW-2	4/17/2008	105.76	19.74	--	86.02	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-2	10/15/2008	105.76	14.25	--	91.51	<50	<77	<97	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-2	4/8/2009	105.76	23.29	--	82.47	Insufficient water to sample															
MW-2	6/24/2009	105.76	14.95	--	90.81	Gauge only this quarter.															
MW-2	9/21/2009	105.76	14.25	Trace	91.51	Gauge only this quarter.															
MW-2	11/30/2009	105.76	17.36	--	88.40	Gauge only this quarter.															
MW-2	3/2/2010	105.76	21.10	--	84.66	16.4 J	38.3 J	<59.2	<0.12	<0.21	<0.20	2.3 J	--	--	--	--	--	--	--	--	--
MW-2	6/14/2010	105.76	15.28	--	90.48	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-2	8/30/2010	105.76	13.83	--	91.93	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-2	12/14/2010	105.76	Inaccessible																		
MW-2	3/27/2011	105.76	Inaccessible																		
MW-2	5/19/2011	105.76	Inaccessible																		
MW-2	9/8/2011	105.76	13.90	--	91.86	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-2	12/28/11[b]	105.76	19.20	--	86.56	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-2	3/8/2012	105.76	22.36	--	83.40	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-2	6/27/2012	105.76	14.16	--	91.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	07/12/12[c]	105.76	13.86	--	91.90	<50	<29	<68	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-2	9/4/2012	105.76	13.49	--	92.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/27/2012	105.76	16.42	--	89.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	3/25/2013	105.76	Well was dry																		
MW-2	6/13/2013	105.76	16.83	--	88.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	9/23/2013	105.76	14.60	--	91.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/12/2013	105.76	18.04		87.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/9/2014	105.76	Well was dry																		
MW-2	6/25/2014	105.76	Well was dry																		
MW-2	9/24/2014	105.76	Well was dry																		
MW-2	12/28/2015	105.76	Well was dry																		
MW-3	7/14/1989	104.66	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
MW-3	5/23/1991	104.32	13.37	--	91.29	<1,000	<1,000	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
MW-3	9/25/1991	104.32	17.98	--	86.68	<1,000	<1,000	<1,000	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
MW-3	9/28/1998	104.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	3/24/1999	104.32	21.20	--	83.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	4/28/1999	104.32	18.30	--	86.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	3/22/2000	104.32	20.50	--	84.16	**6,300**	<250	<500	**392**	**1,160**	206	930	<50.0	--	--	--	--	--	--	--	--
MW-3	9/14/2000	104.32	13.22	--	91.44	**3,660**	**728**	<500	**158**	339	150	526	--	--	--	--	--	--	--	--	--
MW-3	4/12/2001	104.32	19.6	--	85.06	**10,400**	**3,400**	<500	**281**	**1,090**	278	**1,190**	--	--	--	--	--	--	--	--	--
MW-3	9/12/2001	104.32	13.21	--	91.45	**1,180**	**552**	<500	**48.4**	13.5	31.7	50.3	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
76 Products Facility No. 351384
920 North 6th Avenue
Yakima, Washington

Well ID	Sample Date	TOC Elevation (feet)	Depth to Water (feet)	LPH (feet)	GW Elevation (feet)	TPH-G (ug/L)	TPH-D (ug/L)	TPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	EDC (ug/L)	EDB (ug/L)	Total Lead (ug/L)	Dissolved Lead (ug/L)	Ethanol (ug/L)	Naphthalene (ug/L)	Nitrate (ug/L)	Sulfate (ug/L)
MTCA Method A Cleanup Levels:						800	500	500	5	1,000	700	1,000	20	5	0.01	15	15	NE	160	NE	NE
MW-3	3/20/2002	104.32	18.35	--	86.31	**45,600**	491	<500	**1,060**	**6,150**	**1,460**	**6,720**	<2.00	--	--	--	--	--	--	--	--
MW-3	9/25/2002	104.32	13.32	--	91.34	**1,070**	<250	<500	**50.9**	20.4	37.6	89.5	--	--	--	--	--	--	--	--	--
MW-3	3/11/2003	104.32	16.44	--	88.22	**1,660**	**509**	<500	**21.8**	76.9	50.4	206	--	--	--	--	--	--	--	--	--
MW-3	7/31/2003	104.32	13.21	--	91.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	9/23/2003	104.32	13.44	--	91.22	617	**1,060**	<500	**17.9**	8.47	16.1	17.5	--	--	--	--	--	--	--	--	--
MW-3	3/9/2004	104.32	20.22	--	84.44	**54,800**	**1,300**	<256	**1,180**	**11,000**	**1,010**	**5,340**	--	--	--	--	--	--	--	--	--
MW-3	8/24/2004	104.32	13.35	--	91.31	**16,600**	**5,760**	<499	**56**	122	152	**1,309**	--	--	--	--	--	--	--	--	--
MW-3	4/7/2005	104.32	22.38	--	82.28	**54,500**	<244	<487	**517**	**8,650**	**1,010**	**7,910**	--	--	--	--	--	--	--	--	--
MW-3	6/16/2005	104.32	15.50	--	89.16	**48,000**	**85,800**	<5,140	**81.1**	976	**1,250**	**7,760**	--	--	--	--	--	--	--	--	--
MW-3	9/27/2005	104.32	13.44	--	91.22	**6,200**	**9,200**	<2,000	**30**	64	110	360	--	--	--	--	--	--	--	--	--
MW-3	12/6/2005	104.32	16.49	--	88.17	**2,800**	**4,900**	<970	**19**	25	40	150	--	--	--	--	--	--	--	--	--
MW-3	2/3/2006	104.32	18.28	--	86.38	**42,000**	**3,900**	<540	**460**	**2,400**	**1,800**	**7,900**	--	--	--	--	--	--	--	--	--
MW-3	4/26/2006	104.32	14.09	--	90.57	470	**570**	380	<0.5	<0.7	4.0	26	--	--	--	--	--	--	--	--	--
MW-3	7/26/2006	104.32	13.08	--	91.58	**5,400**	180	100	**60**	290	190	660	--	--	--	--	--	--	--	--	--
MW-3	10/18/2006	104.32	13.77	--	90.39	**1,000**	140	<98	**5**	26	25	86	--	--	--	--	--	--	--	--	--
MW-3	1/23/2007	104.32	18.45	--	86.21	**10,000**	**2,400**	<490	**180**	250	260	**1,400**	--	--	--	--	--	--	--	--	--
MW-3	4/19/2007	104.32	18.27	--	86.39	**3,850**	400	<98	**11.8**	131	158	864	--	--	--	--	--	--	--	--	--
MW-3	7/17/2007	104.32	13.21	--	91.11	**6,300**	**860**	<99	**13.0**	24	140	710	--	--	--	--	--	--	--	--	--
MW-3	10/16/2007	104.32	13.27	--	91.05	**2,300**	220	<95	3	2	43	32	--	--	--	--	--	--	--	--	--
MW-3	1/16/2008	104.32								Unable to open											
MW-3	4/17/2008	104.32	19.30	--	85.02	470	<76	<95	**6**	8	2	52	--	--	--	--	--	--	--	--	--
MW-3	10/15/2008	104.32	13.11	--	91.21	320	<78	<97	0.6	<0.7	8	4	--	--	--	--	--	--	--	--	--
MW-3	4/8/2009	104.32	21.85	--	82.47						Insufficient water to sample										
MW-3	6/24/2009	104.32	13.70	--	90.62	251 [cd]	66 J	<39	<1.0	1.5	3.1	51.8	--	--	--	--	--	--	--	--	--
MW-3	9/21/2009	104.32	13.24	--	91.08	<50.0	<78	100 J	<1.0	<1.0	<1.0	0.15 J	--	--	--	--	--	--	--	--	--
MW-3	11/30/2009	104.32	16.06	--	88.26	<50.0 [ab]	41J	<380	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-3	3/2/2010	104.32	19.70	--	84.62	**20,700**	**945**	255 J	**150**	**1,470**	654	**6,710**	--	--	--	--	--	--	--	--	--
MW-3	6/15/2010	104.32	13.91	--	90.41	171	283	<392	<1.0	<1.0	1.8	25.0	--	--	--	--	--	--	--	--	--
MW-3	8/31/2010	104.32	12.91	--	91.41	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-3	12/15/2010	104.32	16.18	--	88.14	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-3	3/21/2011	104.32	20.38	--	83.94	**7,790**	**810**	<392	**28.9**	344	275	**1,940**	--	--	--	--	--	--	--	--	--
MW-3	5/20/2011	104.32	15.45	--	88.87	56.4	<78.4	<392	<1.0	<1.0	1.2	9.5	--	--	--	--	--	--	--	--	--
MW-3	9/8/2011	104.32	13.02	--	91.30	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-3	12/28/11 [b]	104.32	17.86	--	86.46	**870**	**530**	<140	3	<0.5	<0.5	55	--	--	--	--	--	<50	--	--	--
MW-3	3/9/2012	104.32	20.75	--	83.57	**3,300**	290	<67	<1	<1	<1	<1	--	--	--	--	--	<100	--	--	--
MW-3	6/27/2012	104.32	13.19	--	91.13	<50	<28	<66	<0.5	<0.5	<0.5	1	--	--	--	--	--	<50	--	--	--
MW-3	9/4/2012	104.32	12.71	--	91.61	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-3	11/27/2012	104.32	15.22	--	89.10	<50	<35	<82	<0.5	0.6	<0.5	2	--	--	--	--	--	<50	--	--	--
MW-3	3/25/2013	104.32	21.78	--	82.54	580	32	<67	<0.5	1	5	140	--	--	--	--	--	<50	--	--	--
MW-3	6/13/2013	104.32	15.65	--	88.67	<50	<29	<68	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-3	9/23/2013	104.32	13.50	--	90.82	<50	40	<73	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-3	12/12/2013	104.32	16.61	--	87.71	110	<30	<70	<0.5	2	3	27	--	--	--	--	--	<50	--	--	--
MW-3	4/9/2014	104.32								Well was dry											
MW-3	6/25/2014	104.32								Well was dry											
MW-3	9/24/2014	104.32								Well was dry											
MW-3	12/28/2015	104.32								Well was dry											
				--																	
MW-4	7/14/1989	104.12	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
MW-4	5/23/1991	103.83	16.25	--	87.87	<1,000	<1,000	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
MW-4	9/25/1991	103.83	19.86	--	84.26	<1,000	<1,000	<1,000	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
MW-4	9/28/1998	103.83	15.79	--	88.33	<50	<250	<500	1	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	--
MW-4	3/24/1999	103.83	22.82	--	81.30	<50	<250	<500	<0.5	<0.5	<0.5	<1.0	<5.00	--	--	--	--	--	--	--	--
MW-4	3/22/2000	103.83	22.45	--	81.67	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<5.00	--	--	--	--	--	--	--	--
MW-4	9/14/2000	103.83	15.50	--	88.62	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-4	4/12/2001	103.83	21.68	--	82.44	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-4	9/12/2001	103.83	15.55	--	88.57	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-4	3/20/2002	103.83	20.78	--	83.34	<100	<250	<500	<0.500	<2.00	<1.00	<1.50	<5.00	--	--	--	--	--	--	--	--
MW-4	9/25/2002	103.83	15.58	--	88.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	3/11/2003	103.83	19.55	--	84.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/31/2003	103.83	15.45	--	88.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	9/23/2003	103.83	15.80	--	88.32	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-4	3/9/2004	103.83	21.80	--	82.32	<100	<118	<236	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
76 Products Facility No. 351384
920 North 6th Avenue
Yakima, Washington

Well ID	Sample Date	TOC Elevation (feet)	Depth to Water (feet)	LPH (feet)	GW Elevation (feet)	TPH-G (ug/L)	TPH-D (ug/L)	TPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	EDC (ug/L)	EDB (ug/L)	Total Lead (ug/L)	Dissolved Lead (ug/L)	Ethanol (ug/L)	Naphthalene (ug/L)	Nitrate (ug/L)	Sulfate (ug/L)
MTCA Method A Cleanup Levels:						800	500	500	5	1,000	700	1,000	20	5	0.01	15	15	NE	160	NE	NE
MW-4	8/24/2004	103.83	15.60	--	88.52	<100	<248	<497	<1	<1	<1	<2	--	--	--	--	--	--	--	--	--
MW-4	4/7/2005	103.83	23.56	--	80.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	6/16/2005	103.83	17.78	--	86.34	<100	<253	<506	<1	<1	<1	<2	--	--	--	--	--	--	--	--	--
MW-4	9/27/2005	103.83	16.05	--	88.07	<48	170	<100	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--	--	--	--
MW-4	12/6/2005	103.83							Well not located under ice and snow.												
MW-4	2/3/2006	103.83	20.35	--	83.77	<48	<79	<99	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-4	4/26/2006	103.83	18.41	--	85.71	<48	<79	100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-4	7/26/2006	103.83	15.98	--	88.14	<48	<80	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-4	10/18/2006	103.83	16.40	--	87.72	<48	<79	190	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-4	1/23/2007	103.83	20.93	--	83.19	<48	<81	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-4	4/19/2007	103.83							Not Sampled												
MW-4	7/17/2007	103.83	15.60	--	88.23	<50	110	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-4	10/16/2007	103.83	15.40	--	88.43	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-4	1/16/2008	103.83	20.16	--	83.67	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-4	4/17/2008	103.83	19.44	--	84.39	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-4	10/15/2008	103.83	15.52	--	88.31	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-4	4/8/2009	103.83	22.97	--	80.86						Insufficient water to sample										
MW-4	6/24/2009	103.83	16.08	--	87.75						Gauge only this quarter.										
MW-4	9/21/2009	103.83	15.36	--	88.47						Gauge only this quarter.										
MW-4	11/30/2009	103.83	18.13	--	85.70						Gauge only this quarter.										
MW-4	3/1/2010	103.83	21.15	--	82.68	14.8 J	71.8 J	179 J	<0.12	0.21 J	0.56 J	1.4 J	--	--	--	--	--	--	--	--	--
MW-4	6/14/2010	103.83	17.00	--	86.83	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-4	8/30/2010	103.83	14.89	--	88.94	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-4	12/14/2010	103.83	17.98	--	85.85	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-4	3/21/2011	103.83	21.60	--	82.23	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-4	5/19/2011	103.83	17.45	--	86.38	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-4	9/8/2011	103.83	14.99	--	88.84	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-4	12/28/11[b]	103.83	19.60	--	84.23	<50	<29	<68	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-4	3/8/2012	103.83	22.34	--	81.49	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-4	6/27/2012	103.83	15.97	--	87.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	07/12/12[c]	103.83	15.31	--	88.52	<50	30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-4	9/4/2012	103.83	14.31	--	89.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	11/27/2012	103.83	18.07	--	85.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	3/25/2013	103.83	23.13	--	80.70						Insufficient water to sample										
MW-4	6/13/2013	103.83	17.90	--	85.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	9/23/2013	103.83	16.00	--	87.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/12/2013	103.83	19.74	--	84.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/9/2014	103.83							Well was dry												
MW-4	6/25/2014	103.83							Well was dry												
MW-4	9/24/2014	103.83							Well was dry												
MW-4	12/28/2015	103.83							Unable to locate												
MW-5	3/24/1999	104.69	22.63	--	82.06	<50	<250	<500	<0.5	<0.5	<0.5	<1.0	<5.00	--	--	--	--	--	--	--	--
MW-5	3/22/2000	104.69	22.33	--	82.36	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<5.00	--	--	--	--	--	--	--	--
MW-5	9/14/2000	104.69	14.28	--	90.41	184	417	<500	**36.2**	<0.500	7.81	1.48	--	--	--	--	--	--	--	--	--
MW-5	4/12/2001	104.69	21.68	--	83.01	<50.0	310	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-5	9/12/2001	104.69	14.75	--	89.94	52.2	<250	<500	**12.1**	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-5	3/20/2002	104.69	21.09	--	83.60	<100	<250	<500	<0.500	<2.00	<1.00	<1.50	<2.00	--	--	--	--	--	--	--	--
MW-5	9/25/2002	104.69	15.42	--	89.27	<100	<250	<500	0.888	<2.00	<1.00	<1.50	--	--	--	--	--	--	--	--	--
MW-5	3/11/2003	104.69	19.85	--	84.84	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-5	7/31/2003	104.69	15.37	--	89.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	9/23/2003	104.69	15.58	--	89.11	<50	<250	<500	**5.08**	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-5	3/9/2004	104.69	21.85	--	82.84	<100	<118	<236	<1	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-5	8/24/2004	104.69	15.48	--	89.21	<100	<246	<492	4.63	<1	<1	<2	--	--	--	--	--	--	--	--	--
MW-5	4/7/2005	104.69	23.82	--	80.87	515	**629**	<505	<1	<1	<1	<2	--	--	--	--	--	--	--	--	--
MW-5	6/16/2005	104.69	19.80	--	84.39	<100	<251	<501	<1.0	<1	<1	<2	--	--	--	--	--	--	--	--	--
MW-5	9/27/2005	104.69	15.89	--	88.80	<48	290	<98	**9.1**	<0.2	<0.2	<0.6	--	--	--	--	--	--	--	--	--
MW-5	12/6/2005	104.69	19.20	--	85.49	57	95	160	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-5	2/3/2006	104.69	20.58	--	84.11	<48	<160	<200	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-5	4/26/2006	104.69	18.35	--	86.34	<48	**760**	150	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-5	7/26/2006	104.69	15.87	--	88.82	<48	**670**	260	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-5	10/18/2006	104.69	16.23	--	88.46	<48	180	390	0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
76 Products Facility No. 351384
920 North 6th Avenue
Yakima, Washington

Well ID	Sample Date	TOC Elevation (feet)	Depth to Water (feet)	LPH (feet)	GW Elevation (feet)	TPH-G (ug/L)	TPH-D (ug/L)	TPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	EDC (ug/L)	EDB (ug/L)	Total Lead (ug/L)	Dissolved Lead (ug/L)	Ethanol (ug/L)	Naphthalene (ug/L)	Nitrate (ug/L)	Sulfate (ug/L)
MTCA Method A Cleanup Levels:						800	500	500	5	1,000	700	1,000	20	5	0.01	15	15	NE	160	NE	NE
MW-5	1/23/2007	104.69	21.08	--	83.61	<48	110	190	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-5	4/19/2007	104.69	21.55	--	83.14	<50	<81	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-5	7/17/2007	104.3	15.76	--	88.54	<50	**780**	290	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-5	10/16/2007	104.3	15.56	--	88.74	320	200	<95	**24**	0.7	15	35	--	--	--	--	--	--	--	--	--
MW-5	1/16/2008	104.3	20.75	--	83.55	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-5	4/17/2008	104.3	22.58	--	81.72	81	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-5	10/15/2008	104.3	15.60	--	88.70	190	160	<96	**10**	<0.7	4	24	--	--	--	--	--	--	--	--	--
MW-5	4/8/2009	104.3	23.19	--	81.11	<50.0	<83	<420	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.00	<1.00	--	--	--	--
MW-5	6/24/2009	104.3	15.20	--	89.10	42.9 J	<79	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-5	9/21/2009	104.3	15.16	--	89.14	43.3 J	<78	<390	<1.0	<1.0	<1.0	1.6 J	--	--	--	--	--	--	--	--	--
MW-5	11/30/2009	104.3	18.50	--	85.80	<50.0 [ab]	56J	<380	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-5	3/2/2010	104.3	21.60	--	82.70	<13.4	41.6J	<58.4	<0.12	<0.21	<0.20	4.9	--	--	--	--	--	--	--	--	--
MW-5	6/15/2010	104.3	17.10	--	87.20	<50.0	160	<396	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-5	8/31/2010	104.3	13.80	--	90.50	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-5	12/15/2010	104.3	18.62	--	85.68	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-5	3/21/2011	104.3	22.09	--	82.21	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-5	5/20/2011	104.3	17.92	--	86.38	<50.0	83.0	<396	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-5	9/8/2011	104.3	14.89	--	89.41	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-5	12/28/11 [b]	104.3	20.16	--	84.14	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-5	3/8/2012	104.3	22.78	--	81.52	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-5	6/27/2012	104.3	15.62	--	88.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	07/12/12 [c]	104.3	15.28	--	89.02	<50	100	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-5	9/4/2012	104.3	13.90	--	90.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/27/2012	104.3	17.11	--	87.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	3/25/2013	104.3	23.88	--	80.42	Insufficient water to sample															
MW-5	6/13/2013	104.3	18.50	--	85.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	9/23/2013	104.3	16.20	--	88.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/12/2013	104.3	19.90	--	84.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/9/2014	104.3	Well was dry																		
MW-5	6/25/2014	104.3	Well was dry																		
MW-5	9/24/2014	104.3	Well was dry																		
MW-5	12/28/2015	104.3	Unable to locate																		
MW-6	3/24/1999	105.03	23.72	--	81.31	<50	<250	<500	<0.5	<0.5	<0.5	<1.0	<5.00	--	--	--	--	--	--	--	--
MW-6	3/22/2000	105.03	23.50	--	81.53	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<5.00	--	--	--	--	--	--	--	--
MW-6	9/14/2000	105.03	16.13	--	88.90	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-6	4/12/2001	105.03	22.76	--	82.27	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-6	9/12/2001	105.03	16.24	--	88.79	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-6	3/20/2002	105.03	22.09	--	82.94	<100	<250	<500	<0.500	<2.00	<1.00	<1.50	<5.00	--	--	--	--	--	--	--	--
MW-6	9/25/2002	105.03	16.28	--	88.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	3/11/2003	105.03	20.79	--	84.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/31/2003	105.03	16.26	--	88.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	9/23/2003	105.03	16.53	--	88.50	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-6	3/9/2004	105.03	22.90	--	82.16	<100	<136	<272	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--
MW-6	8/24/2004	105.03	16.25	--	88.78	<100	<249	<499	<1	<1	<1	<2	--	--	--	--	--	--	--	--	--
MW-6	4/7/2005	105.03	24.70	--	80.33	<100	<250	<499	<1	<1	<1	<2	--	--	--	--	--	--	--	--	--
MW-6	6/16/2005	105.03	18.60	--	86.43	<100	<258	<515	<1	<1	<1	<2	--	--	--	--	--	--	--	--	--
MW-6	9/27/2005	105.03	16.69	--	88.34	<48	14	<100	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--	--	--	--
MW-6	12/6/2005	105.03	20.05	--	84.98	<48	<160	<200	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-6	2/3/2006	105.03	21.32	--	83.71	<48	<79	<99	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-6	4/26/2006	105.03	19.42	--	85.61	<48	--	--	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-6	7/26/2006	105.03	16.80	--	88.23	<48	140	100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-6	10/18/2006	105.03	17.25	--	87.78	<48	<79	<98	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-6	1/23/2007	105	21.94	--	83.09	<48	<81	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-6	4/19/2007	105	22.77	--	82.26	<50	<84	<110	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-6	7/17/2007	105	16.57	--	88.43	<50	130	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-6	10/15/2007	105	17.87	--	87.13	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-6	1/16/2008	105	Unable to locate																		
MW-6	10/15/2008	105	16.93	--	88.07	<50	<76	<94	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-6	4/8/2009	105	24.25	--	80.75	<50.0	<82	<410	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.00	<1.00	--	--	--	--
MW-6	6/24/2009	105	18.03	--	86.97	Gauge only this quarter.															
MW-6	9/21/2009	105	16.62	--	88.38	Gauge only this quarter.															

Table 1

Groundwater Monitoring Data and Analytical Results
76 Products Facility No. 351384
920 North 6th Avenue
Yakima, Washington

Well ID	Sample Date	TOC Elevation (feet)	Depth to Water (feet)	LPH (feet)	GW Elevation (feet)	TPH-G (ug/L)	TPH-D (ug/L)	TPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	EDC (ug/L)	EDB (ug/L)	Total Lead (ug/L)	Dissolved Lead (ug/L)	Ethanol (ug/L)	Naphthalene (ug/L)	Nitrate (ug/L)	Sulfate (ug/L)
MTCA Method A Cleanup Levels:						800	500	500	5	1,000	700	1,000	20	5	0.01	15	15	NE	160	NE	NE
MW-6	11/30/2009	105	19.65	--	85.35						Gauge only this quarter.										
MW-6	3/1/2010	105	22.55	--	82.45	<13.4	43.6 J	<58.7	<0.12	<0.21	<0.20	1.6 J	--	--	--	--	--	--	--	--	--
MW-6	6/14/2010	105	18.45	--	86.55	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-6	8/30/2010	105	15.79	--	89.21	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-6	12/14/2010	105	19.68	--	85.32	<50.0	151	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-6	3/21/2011	105	23.04	--	81.96	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-6	5/19/2011	105	18.98	--	86.02	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-6	9/8/2011	105	16.21	--	88.79	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-6	12/28/11[b]	105	21.11	--	83.89	<50	30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-6	3/8/2012	105	23.77	--	81.23	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-6	6/27/2012	105	17.57	--	87.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	07/12/12[c]	105	16.72	--	88.28	<50	140	72	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-6	9/4/2012	105	15.30	--	89.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	11/27/2012	105	19.21	--	85.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	3/25/2013	105	24.95	--	80.05	<50	<32	<74	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-6	6/13/2013	105	19.60	--	85.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	9/23/2013	105	17.40	--	87.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/12/2013	105	20.15	--	84.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/9/2014	105								Well was dry											
MW-6	6/25/2014	105								Well was dry											
MW-6	9/24/2014	105								Well was dry											
MW-6	12/28/2015	105								Unable to locate											
MW-7	7/31/2003	105.41	13.51	--	91.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	9/23/2003	104.73	13.72	--	91.69	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-7	3/9/2004	104.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/24/2004	104.73	13.60	--	91.81	<100	<277	<555	<1	<1	<1	<2	--	--	--	--	--	--	--	--	--
MW-7	4/7/2005	104.73	22.93	--	82.48	<100	**2,910**	<561	<1	<1	<1	<2	--	--	--	--	--	--	--	--	--
MW-7	6/16/2005	104.73	15.95	--	89.46	<100	<253	<507	<1	<1	<1	<2	--	--	--	--	--	--	--	--	--
MW-7	9/27/2005	104.73	13.76	--	91.65	<48	<79	<99	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--	--	--	--
MW-7	12/6/2005	104.73	17.10	--	88.31	<48	<160	<200	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-7	2/3/2006	104.73	18.89	--	86.52	<48	<82	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-7	4/26/2006	104.73	14.68	--	90.73	<48	<78	160	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-7	7/26/2006	104.73	14.29	--	91.12	<48	<79	<98	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-7	10/18/2006	104.73	14.05	--	91.36	<48	<78	220	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-7	1/23/2007	104.73	19.15	--	86.26	<48	<80	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-7	4/19/2007	104.73								Not sampled											
MW-7	7/17/2007	104.73	13.50	--	91.23	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-7	10/15/2007	104.73								Unable to open											
MW-7	1/16/2008	104.73								Unable to open											
MW-7	4/17/2008	104.73								Well was dry											
MW-7	10/15/2008	104.73								Well was dry											
MW-7	4/8/2009	104.73								Well was dry											
MW-7	6/24/2009	104.73								Well was dry											
MW-7	9/21/2009	104.73	13.15	--	91.58						Gauge only this quarter.										
MW-7	11/30/2009	104.73	16.35	--	88.38						Gauge only this quarter.										
MW-7	3/2/2010	104.73	20.05	--	84.68	14.6 J	39.6 J	<58.7	<0.12	<0.21	<0.20	4.9	--	--	--	--	--	--	--	--	--
MW-7	6/14/2010	104.73	14.12	--	90.61	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-7	8/31/2010	104.73	12.65	--	92.08	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-7	12/15/2010	104.73	16.50	--	88.23	<50.0	158	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-7	3/21/2011	104.73	20.73	--	84.00	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-7	5/19/2011	104.73	15.69	--	89.04	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-7	9/8/2011	104.73	12.79	--	91.94	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-7	12/28/11[b]	104.73	18.20	--	86.53	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-7	3/8/2012	104.73	21.12	--	83.61	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-7	6/27/2012	104.73	13.02	--	91.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	07/12/12[c]	104.73	12.71	--	92.02	<50	<29	<68	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-7	9/4/2012	104.73	12.35	--	92.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	11/27/2012	104.73	15.43	--	89.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/25/2013	104.73	22.11	--	82.62	<50	<31	<72	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-7	6/13/2013	104.73	15.80	--	88.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	9/23/2013	104.73	13.70	--	91.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
76 Products Facility No. 351384
920 North 6th Avenue
Yakima, Washington

Well ID	Sample Date	TOC Elevation (feet)	Depth to Water (feet)	LPH (feet)	GW Elevation (feet)	TPH-G (ug/L)	TPH-D (ug/L)	TPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	EDC (ug/L)	EDB (ug/L)	Total Lead (ug/L)	Dissolved Lead (ug/L)	Ethanol (ug/L)	Naphthalene (ug/L)	Nitrate (ug/L)	Sulfate (ug/L)
MTCA Method A Cleanup Levels:						800	500	500	5	1,000	700	1,000	20	5	0.01	15	15	NE	160	NE	NE
MW-7	12/12/2013	104.73	17.00	--	87.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/9/2014	104.73							Well was dry												
MW-7	6/25/2014	104.73							Well was dry												
MW-7	9/24/2014	104.73							Well was dry												
MW-7	12/28/2015	104.73							Well was dry												
MW-7	6/8/2018	1094.03	23.26	--	1070.77						Insufficient water to sample										
MW-7	9/19/2018	1094.03	12.47	--	1081.56	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-7	12/13/2018	1094.03	17.76	--	1076.27	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-7	3/18/2019	1094.03	22.65	--	1071.38	Insufficient water to sample		--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/17/2019	1094.03	16.60	--	1077.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	9/16/2019	1094.03	13.74	--	1080.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/26/2019	1094.03	19.63	--	1074.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/9/2020	1094.03	23.48	--	1070.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/17/2020	1094.03	17.46	--	1076.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	9/10/2020	1094.03	14.02	--	1080.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/1/2020	1094.03	17.36	--	1076.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				--																	
MW-8	7/31/2003	104.21	15.38	--	88.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	9/23/2003	104.21	15.64	--	88.57	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-8	3/9/2004	104.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	8/24/2004	104.21						Not accessible due to asphalt paving in street.													
MW-8	4/7/2005	104.21						Not accessible due to asphalt paving in street.													
MW-8	6/16/2005	104.21						Not accessible due to asphalt paving in street.													
MW-8	9/27/2005	104.21						Not accessible due to asphalt paving in street.													
MW-8	12/6/2005	104.21						Not accessible due to asphalt paving in street.													
MW-8	2/3/2006	104.21						Not accessible due to asphalt paving in street.													
MW-8	4/26/2006	104.21	18.65	--	85.56	<48	150	120	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-8	7/26/2006	104.21	15.94	--	88.27	<48	110	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-8	10/18/2006	104.21	16.36	--	87.85	<48	<78	180	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-8	1/23/2007	104.21	21.16	--	83.05	<48	<79	190	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-8	4/19/2007	104.21	22.03	--	82.18	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-8	7/17/2007	104.21	15.70	--	88.51	<50	130	<97	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-8	10/15/2007	104.21	16.00	--	88.21	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-8	1/16/2008	104.21	20.92	--	83.29	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-8	4/17/2008	104.21	23.06	--	81.15	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-8	10/15/2008	104.21						Unable to open --- well appeared damaged by traffic.													
MW-8	4/8/2009	104.21						Unable to open --- well appeared damaged by traffic.													
MW-8	6/24/2009	104.21						Unable to open --- well appeared damaged by traffic.													
MW-8	9/21/2009	104.21						Unable to open --- well appeared damaged by traffic.													
MW-8	11/30/2009	104.21						Unable to open --- well appeared damaged by traffic.													
MW-8	3/1/2010	104.21						Unable to open --- well appeared damaged by traffic.													
MW-8	6/14/2010	104.21						Unable to open --- well appeared damaged by traffic.													
MW-8	8/30/2010	104.21						Unable to open --- well appeared damaged by traffic.													
MW-8	12/14/2010	104.21						Unable to open --- well appeared damaged by traffic.													
MW-8	3/21/2011	104.21						Unable to open --- well appeared damaged by traffic.													
MW-8	5/19/2011	104.21						Unable to open --- well appeared damaged by traffic.													
MW-8	9/8/2011	104.21	15.35	--	88.86	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-8	12/28/11[b]	104.21	20.30	--	83.72	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-8	3/9/2012	104.21	23.07	--	81.14	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-8	6/27/2012	104.21	16.78	--	87.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	07/12/12[c]	104.21	15.83	--	88.38	<50	170	80	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-8	9/4/2012	104.21	14.38	--	89.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	11/27/2012	104.21	17.83	--	86.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	3/25/2013	104.21	24.07	--	80.14	<50	<30	<71	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-8	6/13/2013	104.21	18.72	--	85.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	9/23/2013	104.21	16.50	--	87.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/12/2013	104.21	20.20	--	84.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	4/9/2014	104.21	27.12	--	77.09						Insufficient water to sample										
MW-8	6/25/2014	104.21	27.21	--	77.00						Insufficient water to sample										
MW-8	9/24/2014	104.21							Well was dry												
MW-8	12/28/2015	104.21	27.10	--	77.11						Insufficient water to sample										
MW-8	6/5/2018	1093.34	20.32	--	1073.02	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
76 Products Facility No. 351384
920 North 6th Avenue
Yakima, Washington

Well ID	Sample Date	TOC Elevation (feet)	Depth to Water (feet)	LPH (feet)	GW Elevation (feet)	TPH-G (ug/L)	TPH-D (ug/L)	TPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	EDC (ug/L)	EDB (ug/L)	Total Lead (ug/L)	Dissolved Lead (ug/L)	Ethanol (ug/L)	Naphthalene (ug/L)	Nitrate (ug/L)	Sulfate (ug/L)
MTCA Method A Cleanup Levels:						800	500	500	5	1,000	700	1,000	20	5	0.01	15	15	NE	160	NE	NE
MW-8	9/19/2018	1093.34	14.60	--	1078.74	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-8	12/13/2018	1093.34	20.13	--	1073.21	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-8	3/18/2019	1093.34	24.54	--	1068.80	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-8	6/17/2019	1093.34	18.78	--	1074.56	<100	<417	<417	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-8	9/16/2019	1093.34	16.70	--	1076.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/26/2019	1093.34	21.71	--	1071.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	3/9/2020	1093.34	25.70	--	1067.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	6/17/2020	1093.34	19.42	--	1073.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	9/10/2020	1093.34	16.80	--	1076.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/1/2020	1093.34	19.88	--	1073.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	7/17/2007	104.9	13.44	--	91.46	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-9	10/15/2007	104.9	13.60	--	91.30	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-9	1/16/2008	104.9							Unable to locate												
MW-9	4/17/2008	104.9	17.93	--	86.97	**860**	<76	<95	3	110	12	330	--	--	--	--	--	--	--	--	--
MW-9	10/15/2008	104.9	13.58	--	91.32	<50	<77	<96	<0.5	<0.7	<0.8	2	--	--	--	--	--	--	--	--	--
MW-9	4/8/2009	104.9	21.97	--	82.93	68.2	<83	<420	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.00	<1.00	--	--	--	--
MW-9	6/24/2009	104.9	14.15	--	90.75						Gauge only this quarter.										
MW-9	9/21/2009	104.9	13.62	--	91.28						Gauge only this quarter.										
MW-9	11/30/2009	104.9	16.61	--	88.29						Gauge only this quarter.										
MW-9	3/2/2010	104.9	20.26	--	84.64	52.8	43 J	<58.1	<0.12	0.25 J	0.26 J	8.6	--	--	--	--	--	--	--	--	--
MW-9	6/14/2010	104.9	14.50	--	90.40	<50.0	<80.0	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-9	8/31/2010	104.9	13.20	--	91.70	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-9	12/15/2010	104.9	16.72	--	88.18	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-9	3/21/2011	104.9	20.91	--	83.99	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-9	5/19/2011	104.9	15.97	--	88.93	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-9	9/8/2011	104.9	13.32	--	91.58	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-9	12/28/11[b]	104.9	18.44	--	86.46	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-9	3/8/2012	104.9	21.27	--	83.63	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-9	6/27/2012	104.9	13.55	--	91.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	07/12/12[c]	104.9	13.30	--	91.60	<50	<30	<71	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-9	9/4/2012	104.9	12.98	--	91.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/27/2012	104.9	15.78	--	89.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/25/2013	104.9	22.29	--	82.61	<50	<31	<72	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-9	6/13/2013	104.9	16.00	--	88.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/23/2013	104.9	14.11	--	90.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	12/12/2013	104.9	17.30	--	87.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/9/2014	104.9	24.78	--	80.12						Insufficient water to sample										
MW-9	6/25/2014	104.9							Well was dry												
MW-9	9/24/2014	104.9							Well was dry												
MW-9	12/28/2015	104.9							Well was dry												
MW-10	7/17/2007	104.77	13.60	--	91.17	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-10	10/15/2007	104.77	13.74	--	91.03	<50	<76	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-10	1/16/2008	104.77							Unable to locate												
MW-10	4/17/2008	104.77	17.86	--	86.91	<50	<76	<95	1	5	2	7	--	--	--	--	--	--	--	--	--
MW-10	10/15/2008	104.77	13.70	--	91.07	<50	<80	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-10	4/8/2009	104.77	21.57	--	83.20	55.4	<84	<420	<1.0	2.8	<1.0	5.0	<1.0	<1.0	<0.010	<1.00	<1.00	--	--	--	--
MW-10	6/24/2009	104.77	14.12	--	90.65						Gauge only this quarter.										
MW-10	9/21/2009	104.77	13.77	--	91.00						Gauge only this quarter.										
MW-10	11/30/2009	104.77	16.59	--	88.18						Gauge only this quarter.										
MW-10	3/1/2010	104.77	20.28	--	84.49	19.8 J	45.7 J	<58.1	<0.12	0.38 J	0.50 J	3.7	--	--	--	--	--	--	--	--	--
MW-10	6/14/2010	104.77	14.48	--	90.29	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-10	8/30/2010	104.77	13.44	--	91.33	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-10	12/14/2010	104.77	16.69	--	88.08	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-10	3/21/2011	104.77	20.85	--	83.92	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-10	5/19/2011	104.77	16.06	--	88.71	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-10	9/8/2011	104.77	13.53	--	91.24	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-10	12/28/11[b]	104.77	18.45	--	86.32	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-10	3/8/2012	104.77	21.21	--	83.56	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-10	6/27/2012	104.77	13.71	--	91.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	07/12/12[c]	104.77	13.50	--	91.27	<50	<30	<71	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
76 Products Facility No. 351384
920 North 6th Avenue
Yakima, Washington

Well ID	Sample Date	TOC Elevation (feet)	Depth to Water (feet)	LPH (feet)	GW Elevation (feet)	TPH-G (ug/L)	TPH-D (ug/L)	TPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	EDC (ug/L)	EDB (ug/L)	Total Lead (ug/L)	Dissolved Lead (ug/L)	Ethanol (ug/L)	Naphthalene (ug/L)	Nitrate (ug/L)	Sulfate (ug/L)
MTCA Method A Cleanup Levels:						800	500	500	5	1,000	700	1,000	20	5	0.01	15	15	NE	160	NE	NE
MW-10	9/4/2012	104.77	13.20	--	91.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	11/27/2012	104.77	15.70	--	89.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	3/25/2013	104.77	22.35	--	82.42	<50	<31	<73	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-10	6/13/2013	104.77	16.10	--	88.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	9/23/2013	104.77	13.97	--	90.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	12/12/2013	104.77	17.20	--	87.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	4/9/2014	104.77	23.38	--	81.39	Insufficient water to sample															
MW-10	6/25/2014	104.77	Well was dry																		
MW-10	9/24/2014	104.77	Well was dry																		
MW-10	12/28/2015	104.77	Well was dry																		
MW-11	7/17/2007	104.33	14.10	--	90.23	<50	96	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-11	10/16/2007	104.33	14.45	--	89.88	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-11	1/16/2008	104.33	Unable to locate																		
MW-11	4/17/2008	104.33	18.67	--	85.66	56	230	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-11	10/15/2008	104.33	14.00	--	90.33	53	<78	<97	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-11	4/8/2009	104.33	21.14	--	83.19	Insufficient water to sample															
MW-11	6/24/2009	104.33	14.52	--	89.81	Gauge only this quarter.															
MW-11	9/21/2009	104.33	13.99	--	90.34	Gauge only this quarter.															
MW-11	11/30/2009	104.33	16.65	--	87.68	Gauge only this quarter.															
MW-11	3/1/2010	104.33	20.26	--	84.07	<13.4	**2,960**	233 J	<0.12	<0.21	<0.20	<0.42	--	--	--	--	--	--	--	--	--
MW-11	6/14/2010	104.33	14.96	--	89.37	<50.0	248	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-11	8/30/2010	104.33	13.51	--	90.82	<50.0	317	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-11	12/14/2010	104.33	16.48		87.85	<50.0	230	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-11	3/21/2011	104.33	21.00	--	83.33	<50.0	**1,010**	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-11	5/19/2011	104.33	16.13	--	88.20	65.2	**847**	<396	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-11	9/8/2011	104.33	13.70	--	90.63	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-11	12/28/11[b]	104.33	18.49	--	85.84	<50	350	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-11	3/8/2012	104.33	22.36	--	81.97	Insufficient water to sample															
MW-11	6/27/2012	104.33	13.87	--	90.46	<50	35	<67	<0.5	<0.5	<0.5	2	--	--	--	--	--	<50	--	--	--
MW-11	9/4/2012	104.33	13.28	--	91.05	<50	**1,600**	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-11	11/27/2012	104.33	15.80	--	88.53	<50	310	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	140	--	--	--
MW-11	3/25/2013	104.33	22.90	--	81.43	Insufficient water to sample															
MW-11	6/13/2013	104.33	16.33	--	88.00	<50	**7,600**	**600**	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-11	9/23/2013	104.33	14.30	--	90.03	<50	37	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-11	12/12/2013	104.33	17.30	--	87.03	<50	**1,300**	390	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-11	4/9/2014	104.33	Well was dry																		
MW-11	6/25/2014	104.33	Well was dry																		
MW-11	9/24/2014	104.33	Well was dry																		
MW-11	12/28/2015	104.33	Well was dry																		
MW-12	7/17/2007	102.99	14.64	--	88.35	<50	<78	<98	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-12	10/15/2007	102.99	14.90	--	88.09	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-12	1/16/2008	102.99	Unable to locate																		
MW-12	4/17/2008	102.99	19.17	--	83.82	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-12	10/15/2008	102.99	14.98	--	88.01	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-12	4/9/2009	102.99	21.85	--	81.14	<50.0	<82	<410	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.00	<1.00	--	--	--	--
MW-12	6/24/2009	102.99	15.20	--	87.79	Gauge only this quarter.															
MW-12	9/21/2009	102.99	14.89	--	88.10	Gauge only this quarter.															
MW-12	11/30/2009	102.99	17.78	--	85.21	Gauge only this quarter.															
MW-12	3/1/2010	102.99	20.39	--	82.60	14.2 J	56.3 J	66.2 J	<0.12	<0.21	<0.20	1.6 J	--	--	--	--	--	--	--	--	--
MW-12	6/15/2010	102.99	16.46	--	86.53	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-12	8/31/2010	102.99	14.23	--	88.76	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-12	12/14/2010	102.99	17.44	--	85.55	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-12	3/21/2011	102.99	20.88	--	82.11	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-12	5/19/2011	102.99	17.10	--	85.89	<50.0	<79.2	<396	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-12	9/8/2011	102.99	14.61	--	88.38	<50	<140	**1,200**	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-12	12/28/11[b]	102.99	19.20	--	83.79	<50	<32	<74	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-12	3/8/2012	102.99	21.65	--	81.34	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-12	6/27/2012	102.99	15.72	--	87.27	<50	47	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-12	9/4/2012	102.99	14.05	--	88.94	<50	65	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-12	11/27/2012	102.99	17.30	--	85.69	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
76 Products Facility No. 351384
920 North 6th Avenue
Yakima, Washington

Well ID	Sample Date	TOC Elevation (feet)	Depth to Water (feet)	LPH (feet)	GW Elevation (feet)	TPH-G (ug/L)	TPH-D (ug/L)	TPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	EDC (ug/L)	EDB (ug/L)	Total Lead (ug/L)	Dissolved Lead (ug/L)	Ethanol (ug/L)	Naphthalene (ug/L)	Nitrate (ug/L)	Sulfate (ug/L)
MTCA Method A Cleanup Levels:						800	500	500	5	1,000	700	1,000	20	5	0.01	15	15	NE	160	NE	NE
MW-12	3/25/2013	102.99	22.87	--	80.12						Insufficient water to sample										
MW-12	6/13/2013	102.99	17.73	--	85.26	<50	--[d]	--[d]	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-12	9/23/2013	102.99	15.70	--	87.29	<50	57	<73	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-12	12/12/2013	102.99	19.00	--	83.99	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-12	4/9/2014	102.99	22.98	--	80.01						Insufficient water to sample										
MW-12	6/25/2014	102.99								Well was dry											
MW-12	9/24/2014	102.99								Well was dry											
MW-12	12/28/2015	102.99								Well was dry											
MW-13	7/17/2007	104.17	14.63	--	89.54	240	**2,300**	<97	**6**	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-13	10/15/2007	104.17	14.91	--	89.26	**1,400**	**730**	<94	**47**	2	97	76	--	--	--	--	--	--	--	--	--
MW-13	1/16/2008	104.17								Unable to locate											
MW-13	4/17/2008	104.17	Unable to gauge	--	--	**1,200**	370	<94	**91**	13	48	120	--	--	--	--	--	--	--	--	--
MW-13	10/15/2008	104.17	14.88	--	88.29	**1,300**	450	<96	**38**	1	83	27	--	--	--	--	--	--	--	--	--
MW-13	4/8/2009	104.17	23.29	--	80.88						Insufficient water to sample										
MW-13	6/24/2009	104.17	15.43	--	88.74	571	**570**	<400	**7.5**	5.0	1.2	61.9	--	--	--	--	--	--	--	--	--
MW-13	9/21/2009	104.17	14.73	--	89.44	654	230	<390	**5.6**	<1.0	<1.0	15.2	--	--	--	--	--	--	--	--	--
MW-13	11/30/2009	104.17	17.36	--	86.81	318	230	<390	**15.0**	2.0	<1.0	11.2	--	--	--	--	--	--	--	--	--
MW-13	3/2/2010	104.17	21.28	--	82.89	82.1	215	72.0J	0.91 J	<0.21	0.31 J	5.4	--	--	--	--	--	--	--	--	--
MW-13	6/15/2010	104.17	15.98	--	88.19	130	**558**	<392	**7.4**	<1.0	<1.0	3.0	--	--	--	--	--	--	--	--	--
MW-13	8/31/2010	104.17	14.10	--	90.07	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-13	12/15/2010	104.17	17.50	--	86.67	204	226	<392	**10.4**	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-13	3/21/2011	104.17	21.90	--	82.27	132	297	<392	**19.3**	<1.0	3.1	<3.0	--	--	--	--	--	--	--	--	--
MW-13	5/20/2011	104.17	16.84	--	87.33	117	490	<392	4.6	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-13	9/8/2011	104.17	14.40	--	89.77	51	36	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-13	12/28/11[b]	104.17	19.81	--	84.36	180	**530**	<71	2	<0.5	1	0.7	--	--	--	--	--	<50	--	--	--
MW-13	3/9/2012	104.17	22.81	--	81.36	140	**850**	<66	**8**	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-13	6/27/2012	104.17	14.89	--	89.28	<50	**670**	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-13	9/4/2012	104.17	13.63	--	90.54	<50	240	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-13	11/27/2012	104.17	16.80	--	87.37	<50	490	<69	0.7	<0.5	<0.5	0.5	--	--	--	--	--	<50	--	--	--
MW-13	3/25/2013	104.17	23.56	--	80.61						Insufficient water to sample										
MW-13	6/13/2013	104.17	17.00	--	87.17	57	**3,600**	**590**	5	<0.5	<0.5	0.5	--	--	--	--	--	<50	--	--	--
MW-13	9/23/2013	104.17	15.16	--	89.01	<50	420	<69	0.8	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-13	12/12/2013	104.17	18.85	--	85.32	78	**1,400**	250	4	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-13	4/9/2014	104.17	23.49	--	80.68						Insufficient water to sample										
MW-13	6/25/2014	104.17	23.58	--	80.59						Insufficient water to sample										
MW-13	9/24/2014	104.17								Well was dry											
MW-13	12/28/2015	104.17								Unable to locate											
MW-14	7/17/2007	105.32	16.43	--	88.89	<50	<79	<99	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-14	10/15/2007	105.32	16.64	--	88.68	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-14	1/16/2008	105.32								Unable to locate											
MW-14	4/17/2008	105.32	20.96	--	84.36	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-14	10/15/2008	105.32	16.65	--	88.67	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--
MW-14	4/8/2009	105.32	23.92	--	81.40						Insufficient water to sample										
MW-14	6/24/2009	105.32	17.64	--	87.68						Gauge only this quarter.										
MW-14	9/21/2009	105.32	16.52	--	88.80						Gauge only this quarter.										
MW-14	11/30/2009	105.32	19.58	--	85.74						Gauge only this quarter.										
MW-14	3/2/2010	105.32	22.70	--	82.62	17.7 J	59 J	<58.7	<0.12	<0.21	<0.20	2.3 J	--	--	--	--	--	--	--	--	--
MW-14	6/14/2010	105.32	18.30	--	87.02	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-14	8/30/2010	105.32	15.88	--	89.44	<50.0	<79.2	<396	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-14	12/14/2010	105.32	19.60	--	85.72	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-14	3/21/2011	105.32	23.27	--	82.05	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-14	5/19/2011	105.32	18.99	--	86.33	<50.0	<80.0	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-14	9/8/2011	105.32	16.22	--	89.10	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-14	12/28/11[b]	105.32	21.13	--	84.19	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-14	3/8/2012	105.32	23.98	--	81.34						Insufficient water to sample										
MW-14	6/27/2012	105.32	16.94	--	88.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	07/12/12[c]	105.32	16.42	--	88.90	<50	<29	<68	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	--	--	--
MW-14	9/4/2012	105.32	15.34	--	89.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	11/27/2012	105.32	18.95	--	86.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	3/25/2013	105.32	23.91	--	81.41						Insufficient water to sample										

Table 1

Groundwater Monitoring Data and Analytical Results
76 Products Facility No. 351384
920 North 6th Avenue
Yakima, Washington

Well ID	Sample Date	TOC Elevation (feet)	Depth to Water (feet)	LPH (feet)	GW Elevation (feet)	TPH-G (ug/L)	TPH-D (ug/L)	TPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	EDC (ug/L)	EDB (ug/L)	Total Lead (ug/L)	Dissolved Lead (ug/L)	Ethanol (ug/L)	Naphthalene (ug/L)	Nitrate (ug/L)	Sulfate (ug/L)
MTCA Method A Cleanup Levels:						800	500	500	5	1,000	700	1,000	20	5	0.01	15	15	NE	160	NE	NE
MW-14	6/13/2013	105.32	19.60	--	85.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	9/23/2013	105.32	17.00	--	88.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	12/12/2013	105.32	20.43	--	84.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	4/9/2014	105.32	23.87	--	81.45	Insufficient water to sample															
MW-14	6/25/2014	105.32				Well was dry															
MW-14	9/24/2014	105.32				Well was dry															
MW-14	12/28/2015	105.32				Well was dry															
MW-15	6/8/2018	1093.39	19.33	--	1074.06	**6,800**	**1,500**	<400	**575**	**1,210**	226	214	<1.0	<1.0	<1.0	<10	--	--	<4.0	--	--
MW-15	9/19/2018	1093.39	14.91	--	1078.48	**3,920**	**1,200**	<390	**378**	142	386	198	--	--	--	--	--	--	--	--	--
MW-15	12/13/2018	1093.39	18.49	--	1074.9	**6,100**	**1,600**	<400	**1,150**	268	515	543	--	--	--	--	--	--	--	--	--
MW-15	3/18/2019	1093.39	25.18	--	1068.21	**2,710**	**4,400**	<400	**243**	12.9	175	81.8	--	--	--	--	--	--	--	--	--
MW-15	6/17/2019	1093.39	17.48	--	1075.91	**5,080**	**3,120**	<417	**968**	26.3	262	222	--	--	--	--	--	--	--	--	--
MW-15	9/16/2019	1093.39	14.85	--	1078.54	**3,080**	**1,590**	<417	**639**	10.0	147	115	--	<5.0	--	<5.0	--	--	--	--	--
MW-15	12/26/2019	1093.39	20.79	0.60	1073.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	3/9/2020	1093.39	25.75	0.53	1068.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	6/17/2020	1093.39	18.49	--	1074.90	**3,700**	**6,500**	<110	**960**	32	260	110	--	<2.0	--	<4.0	--	--	--	--	--
MW-15 Dup	6/17/2020	1093.39	18.49	--	1074.90	**3,600**	**7,300**	<110	**1,000**	33	260	110	--	<2.0	--	<4.0	--	--	--	--	--
MW-15	9/10/2020	1093.39	15.03	--	1078.36	**2,500**	**1,800**	<95	**290**	<5.0	23	<15	--	<2.5	--	<5.0	--	--	--	--	--
MW-15	11/10/2020	1093.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<100	1,100
MW-15	12/1/2020	1093.39	17.92	--	1075.47	260	**11,000**	110	**51**	<1.0	<1.0	<2.0	--	--	--	--	--	--	--	<100	39,000
MW-16	6/8/2018	1093.85	20.62	--	1073.23	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-16	9/19/2018	1093.85	14.99	--	1078.86	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-16	11/13/2018	1093.85	20.30	--	1073.55	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-16	12/13/2018	1093.85	20.30	--	1073.55	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-16	3/18/2019	1093.85	24.89	--	1068.96	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-16	6/17/2019	1093.85	19.06	--	1074.79	<100	<417	<417	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-16	6/17/2019	1093.85	19.06	--	1074.79	<100	<417	<417	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-16	9/16/2019	1093.85	16.90	--	1076.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	12/26/2019	1093.85	21.82	--	1072.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	3/9/2020	1093.85	26.04	--	1067.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	6/17/2020	1093.85	19.76	--	1074.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/10/2020	1093.85	17.22	--	1076.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	12/1/2020	1093.85	19.63	--	1074.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	6/8/2018	1093.91	20.50	--	1073.41	**858**	<400	<400	**141**	36	2.4	173	--	--	--	--	--	--	--	--	--
MW-17	9/19/2018	1093.91	14.90	--	1079.01	338	<390	<390	**44.4**	8.1	45.4	35.6	--	--	--	--	--	--	--	--	--
MW-17	12/13/2018	1093.91	19.61	--	1074.30	<100	<390	<390	1.9	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-17	3/18/2019	1093.91	24.39	--	1069.52	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-17	6/17/2019	1093.91	18.78	--	1075.13	443	**902**	<385	**95.9**	1.3	11.0	88.1	--	--	--	--	--	--	--	--	--
MW-17	9/16/2019	1093.91	16.45	--	1077.46	<100	<392	<392	**13.1**	<1.0	5.5	3.0	--	<1.0	--	<1.0	--	--	--	--	--
MW-17	12/26/2019	1093.91	21.22	--	1072.69	<100	<93	--	<1.0	<1.0	<1.0	<3.0	--	<0.50	--	<1.0	--	--	--	--	--
MW-17 Dup	12/26/2019	1093.91	21.22	--	1072.69	<100	<93	--	<1.0	<1.0	<1.0	<3.0	--	<0.50	--	<1.0	--	--	--	--	--
MW-17	3/9/2020	1093.91	25.20	--	1068.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	6/17/2020	1093.91	19.42	--	1074.49	<100	<110	<110	1.3	<1.0	<1.0	<3.0	--	<0.50	--	<1.0	--	--	--	--	--
MW-17	9/10/2020	1093.91	17.00	--	1076.91	<100	250	<98	<0.50	<1.0	<1.0	<3.0	--	<0.50	--	<1.0	--	--	--	--	--
MW-17	12/1/2020	1093.91	19.45	--	1074.46	<100	<92	<92	<0.50	<1.0	<1.0	<2.0	--	--	--	--	--	--	--	--	--
MW-18	6/8/2018	1093.93	20.35	--	1073.58	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<10	--	--	<4.0	--	--
MW-18	9/19/2018	1093.93	14.52	--	1079.41	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-18	12/13/2018	1093.93	19.20	--	1074.73	<100	<400	<400	<1.0	<1.0	<1.0	<3.1	--	--	--	--	--	--	--	--	--
MW-18	3/18/2019	1093.93	24.19	--	1069.74	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-18	6/17/2019	1093.93	18.14	--	1075.79	<100	<385	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-18	9/16/2019	1093.93	15.36	--	1078.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-18	12/26/2019	1093.93	20.44	--	1073.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-18	3/9/2020	1093.93	25.54	--	1068.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-18	6/17/2020	1093.93	18.78	--	1075.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-18	9/10/2020	1093.93	15.37	--	1078.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-18	12/1/2020	1093.93	18.37	--	1075.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-19	6/8/2018	1093.74	20.70	--	1073.04	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
76 Products Facility No. 351384
920 North 6th Avenue
Yakima, Washington

Well ID	Sample Date	TOC Elevation (feet)	Depth to Water (feet)	LPH (feet)	GW Elevation (feet)	TPH-G (ug/L)	TPH-D (ug/L)	TPH-O (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	EDC (ug/L)	EDB (ug/L)	Total Lead (ug/L)	Dissolved Lead (ug/L)	Ethanol (ug/L)	Naphthalene (ug/L)	Nitrate (ug/L)	Sulfate (ug/L)
MTCA Method A Cleanup Levels:						800	500	500	5	1,000	700	1,000	20	5	0.01	15	15	NE	160	NE	NE
MW-19	9/19/2018	1093.74	13.37	--	1080.37	<100	**500**	<410	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-19	12/13/2018	1093.74	20.02	--	1073.72	<100	**570**	<390	<1.0	<1.0	<1.0	<3.1	--	--	--	--	--	--	--	--	--
MW-19	3/18/2019	1093.74	24.96	--	1068.78	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-19	3/18/2019	1093.74	24.96	--	1068.78	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-19	6/17/2019	1093.74	--	--	--	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--
MW-19	9/16/2019	1093.74	17.18	--	1076.56	<100	**818**	<392	2.7	<1.0	<1.0	<3.0	--	<1.0	--	<1.0	--	--	--	--	--
MW-19 Dup	9/16/2019	1093.74	17.18	--	1076.56	<100	**984**	<400	2.7	<1.0	<1.0	<3.0	--	<1.0	--	<1.0	--	--	--	--	--
MW-19	12/26/2019	1093.74	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-19	3/9/2020	1093.74	Obstructed	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-19	6/17/2020	1093.74	19.74	--	1074.00	<100	120	<120	<0.50	<1.0	<1.0	<3.0	--	<0.50	--	<1.0	--	--	--	--	--
MW-19	9/10/2020	1093.74	17.13	--	1076.61	<100	400	<98	1.5	<1.0	<1.0	<3.0	--	<0.50	--	<1.0	--	--	--	--	--
MW-19 Dup	9/10/2020	1093.74	17.13	--	1076.61	<100	460	<99	1.5	<1.0	<1.0	<3.0	--	<0.50	--	<1.0	--	--	--	--	--
MW-19	11/10/2020	1093.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,600	14,000
MW-19	12/1/2020	1093.74	19.96	--	1073.78	<100	150	<93	0.68	<1.0	<1.0	<2.0	--	--	--	--	--	--	--	1900	20,000
MW-19 Dup	12/1/2020	1093.74	19.96	--	1073.78	<100	150	<98	0.73	<1.0	<1.0	<2.0	--	--	--	--	--	--	--	--	--

NOTES:
Bold values equal or exceed Department of Ecology Model Toxics Control Act (MTCA) Method A Cleanup Level, per Cleanup Level and Risk Calculation (CLARC) data tables published in August 2015.
Groundwater monitoring data, top of casing elevations, and laboratory analytical results prior to September 8, 2011 provided by STANTEC Consulting Corporation.
ft = feet
MTCA = Model Toxics Control Act
LPH = Liquid Phase Hydrocarbons
NM = Not Measured
USEPA = United States Environmental Protection Agency
µg/L = Micrograms per liter
-- = Not Analyzed or Sampled
<x = Reported concentration below laboratory method detection limit.
Top of Casing (TOC) elevation data prior to 2018 is referenced to an arbitrary datum. TOC elevations reported in 2018 were surveyed in reference to North American Vertical Datum of 88 (NAV88).
TPH as Gasoline-range organics (TPHg) analyzed by Northwest Method NWTPH-Gx.
TPH as Diesel-range organics (TPHd) analyzed by Northwest Method NWTPH-Dx.
TPH as Heavy Oil-range organics (TPHo) analyzed by Northwest Method NWTPH-Dx.
Benzene, toluene, ethylbenzene, total xylenes (BTEX) analyzed by USEPA Method 8260B or 8021B
Methyl tert-butyl ether (MTBE) analyzed by EPA Method 8260B.
1,2 Dichloroethane (EDC) analyzed by EPA Method 8260B
1,2 Dibromoethane (EDB) analyzed by EPA Method 8260B
Lead analyzed by EPA Method 7421/6020 (Total Lead).
Nitrate and Sulfate analyzed by EPA Method 300.
a = Sample was evaluated to the MDL
b = Analyte present in the associated method blank above the detection limit
c = Analyte was detected in the associated method blank as well as in the sample
d = Result confirmed by second analysis

Appendices

Appendix A
Field Forms

WELL GAUGING DATA

Project # 200309-FK1 Date 3/9/20 Client GHD

Site 920 N 6th Ave Yakima, 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-7	1025	2	—	—	—	—	23.48	23.62		Tubing
MW-8	1005	2	—	—	—	—	25.70	27.57		Tubing
MW-15	1042	2	sheen/ odor	25.22	0.53	—	25.75	—		Tubing
MW-16	1032	2	—	—	—	—	26.04	33.02		Tubing
MW-17	1020	2	—	—	—	—	25.20	~~26.55~~ 5/9/20	25.53	Tubing
MW-18	1015	2	—	—	—	—	25.54	32.52		Tubing
MW-19	1035	2	—	—	—	—	Dry	1.00	↓	obstruction in well

LOW FLOW WELL MONITORING DATA SHEET

Project #: 200309-FK1	Client: GHD
Sampler: FK	Gauging Date: 3/9/20
Well I.D.: MW-15	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): ____	Depth to Water (ft.): 25.75
Depth to Free Product: 25.22	Thickness of Free Product (feet): 0.53
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Start Purge Time: ____ 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.)
— 0.53' of SPH detected in well —								
		No sample taken						

Did well dewater? Yes No — Amount actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D — Other:

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 200309 - FK1	Client: GHD
Sampler: FK	Gauging Date: 3/9/20
Well I.D.: MW-17	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 25.53	Depth to Water (ft.): 25.20
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: ___

Purge Method: 2" Grundfos Pump Peristaltic Pump ~~Bladder Pump~~
Sampling Method: Dedicated Tubing New Tubing Other ___

Start Purge Time: ___ Flow Rate: ___ Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
———	insufficient water level to sample. 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 #: 200309-FK1	Client: GHD
Sampler: FK	Gauging Date: 3/9/20
Well I.D.: MW-19	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 1.00	Depth to Water (ft.): DRY
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other_____

Start Purge Time:_____ 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 is dry, obstruction in well at 1.00' 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.:

WELLHEAD INSPECTION FORM

Client: GTID Site: 920 N 6th Ave Yakima WA Date: 3/9/20

Job #: 200309-FK1 Technician: Foster K 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-7	X			X		2/2									
MW-8	X			X	2/2										
MW-15	X			X											
MW-16	X			X											
MW-17	X			X											
MW-18	X			X											
MW-19	X			X											*obstruction in well at 1ft

NOTES:

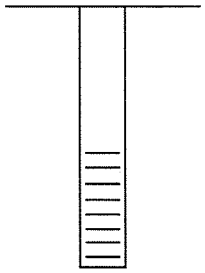
Monitoring Well Record for Low-Flow Purging
(Form SP-09)

Project Data:

Project Name: Pipe Yakima
Ref. No.:
Date: 06-17-20
Personnel: JRL

Monitoring Well Data:

Well No.: MW-17
Vapour PID (ppm): —
Measurement Point: TOC
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 29.03
Depth of Sediment (m/ft):
Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]: 25
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 19.42



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
0955	120 mL	—	START	Pumping	—	—	—	—	—	—	—
1005	100mL	19.50	.08	15.8	0.382	11.6	3.17	7.66	27.6		
1010	100mL	19.48	.06	16.0	0.352	10.3	2.60	7.09	38.2		
1015	100mL	19.47	.05	16.2	0.384	8.1	2.58	7.06	38.5		
1020	100mL	19.47	.05	16.4	0.385	6.2	2.57	7.06	38.3		

Sample ID: GW-061720-JRL-MW17
Sample Time: 1025

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm.
For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

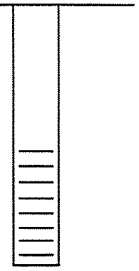
Monitoring Well Record for Low-Flow Purging
(Form SP-09)

Project Data:

Project Name: P66 YAKIMA
Ref. No.:
Date: 6-17-20
Personnel: JRL

Monitoring Well Data:

Well No.: MW-15
Vapour PID (ppm): —
Measurement Point: TOC
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):
Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]: 25'
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 18.49



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
1035	100	—	START	PUMPING	—	—	—	—	—		
1045	100	18.51	0.02	17.4	0.69	3.8	0.68	6.80	-105.4		
1050	100	18.50	0.01	17.4	0.69	3.2	0.65	6.79	-109.0		
1055	100	18.50	0.01	17.5	0.69	2.7	0.59	6.78	-109.7		
1100	100	18.50	0.01	17.6	0.69	2.3	0.57	6.78	-110.0		

Sample ID: GW-061720-JRL-MW15 DUP TAKEN HERE
Sample Time: 1105

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm.
For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

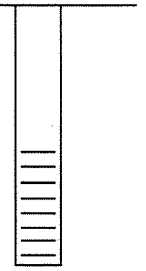
Monitoring Well Record for Low-Flow Purging
(Form SP-09)

Project Data:

Project Name: PGG Yakima
Ref. No.:
Date: 06-17-20
Personnel: JDL

Monitoring Well Data:

Well No.: MW-19
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 34.91
Depth of Sediment (m/ft):
Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]: 27'
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 19.74



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
1125	100		START	PUMPING							
1135	100	19.78	0.04	17.7	0.350	8.3	0.52	6.71	10.2		
1140	100	19.76	0.02	17.7	0.353	12.0	0.51	6.70	10.9		
1145	100	19.76	0.02	17.9	0.354	16.6	0.50	6.71	11.9		
1150	100	SAMPLED									

Sample ID: GW-060720-JDL-MW19
Sample Time: 1150

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

Date 6-17-20 Page 1 Of 1

PROJECT ID:	P66 YAKIMA 11145 929
REPORT TO COMPANY:	GHD
PROJECT MANAGER:	MATT DAVIS
ADDRESS:	2081B 44TH AVE W, STE 190
	LYNNWOOD, WA
PHONE:	P.O. #:
E-MAIL:	
INVOICE TO COMPANY:	GHD
ATTENTION:	HEATHER GADWA
ADDRESS:	SSOW: ~~11145 929 2020 04~~ TBD

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☑	MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify) EDB, EDC, MTBE, NAPHTHALENE	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. GW-061720-JRL-MW15	6/18/20	1105	W			X	X	X												X		6	
2. GW-061720-JRL-MW17	"	1025	W			X	X	X												X		6	
3. GW-061720-JRL-MW19	↓	1150	W			X	X	X												X		6	
4. DUP	—	—	W			X	X	X												X		6	
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: _____
   Received By: _____
2. Relinquished By: _____
   Received By: _____

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 (Standard) | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 (Standard) | 3 | 1 | SAME DAY

OTHER:
Specify: _____

*Turnaround request less than standard may incur Rush Charges

WELL GAUGING DATA

Project # 200910-PK2 Date 9/10/20 Client GHD

Site 920 N 6th Ave Yakima 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-7	1126	2					14.02	23.80		
MW-8	1112	2					16.80	27.68		
MW-15	1130	2	odor				15.03	33.38		
MW-16	1100	2					17.22	33.02		
MW-17	1122	2					17.00	29.00		
MW-18	1117	2					15.37	32.90		
MW-19	1106	2					17.13	35.00	↓	

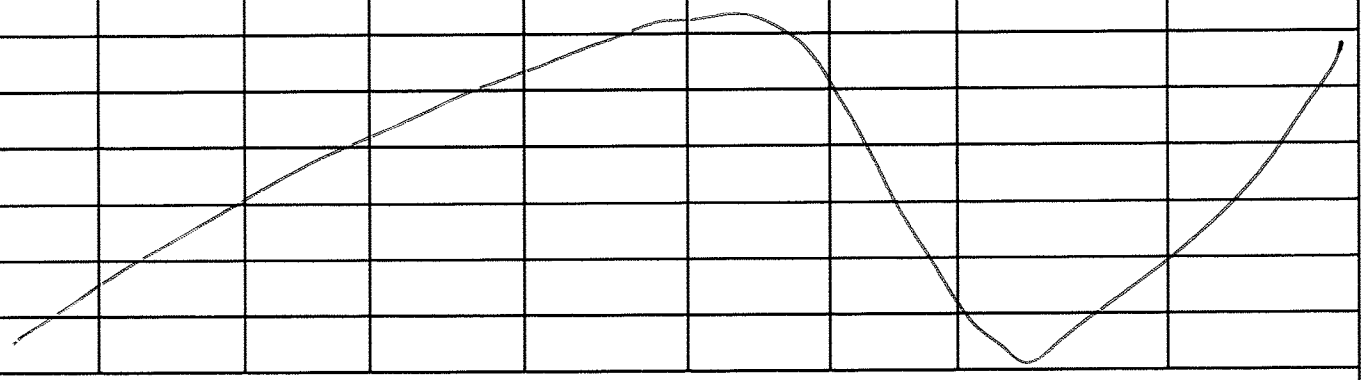
LOW FLOW WELL MONITORING DATA SHEET

Project #: 200410-FK2	Client: GHD
Sampler: FK	Gauging Date: 9/10/20
Well I.D.: MW-15	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 33.38	Depth to Water (ft.): 15.03
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1145 Flow Rate: 200 mL/min Pump Depth: 24

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.)
1148	19.53	7.81	353	20	1.38	139.6	600	15.08
1151	19.46	7.55	355	16	1.02	139.3	1200	15.08
1154	19.52	7.35	360	14	0.94	139.0	1800	15.08
1157	19.50	7.30	361	13	0.81	138.0	2400	15.08
1200	19.49	7.27	361	13	0.74	137.5	3000	15.08



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

Sampling Time: 1203 Sampling Date: 9/10/20

Sample I.D.: MW-15 Laboratory: Calscience

Analyzed for: (TPH-G) BTEX MTBE (TPH-D) (Other) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: ~~~

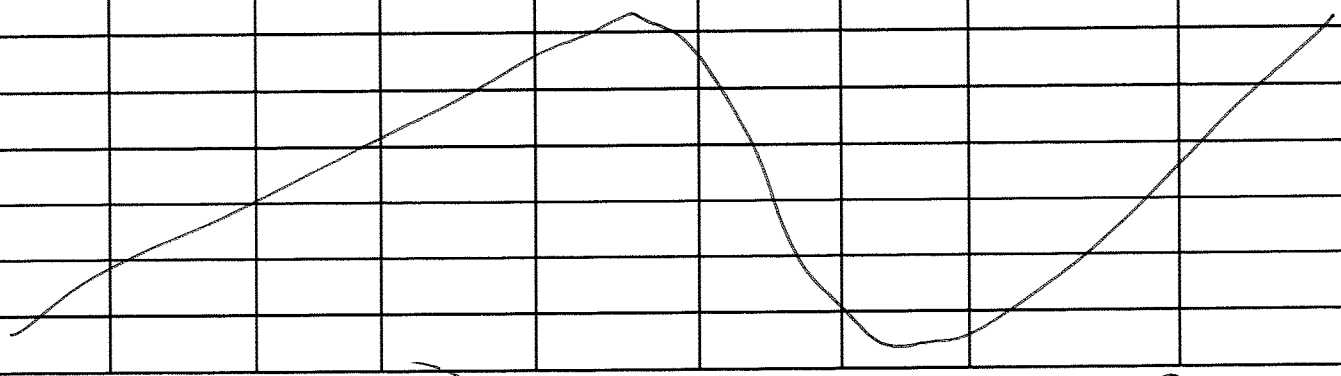
LOW FLOW WELL MONITORING DATA SHEET

Project #: 200910-FK2	Client: GHD
Sampler: FK	Gauging Date: 9/10/20
Well I.D.: MW-17	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 29.00	Depth to Water (ft.): 17.00
Depth to Free Product: ~~~	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1305 Flow Rate: 200 mL/min Pump Depth: 23

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.)
1308	19.86	7.07	285	36	1.50	160.2	600	17.00
1311	19.70	6.59	283	30	1.23	167.8	1200	17.00
1314	19.67	6.40	281	27	1.02	166.9	1800	17.00
1317	19.68	6.39	280	27	1.10	162.9	2400	17.00
1320	19.68	6.39	279	28	1.08	160.9	3000	17.00



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

Sampling Time: 1323 Sampling Date: 9/10/20

Sample I.D.: MW-17 Laboratory: Calscience

Analyzed for: (TPH-G) BTEX MTBE (TPH-D) (Other: See COC)

Equipment Blank I.D.: @ Time Duplicate I.D.: ~~~

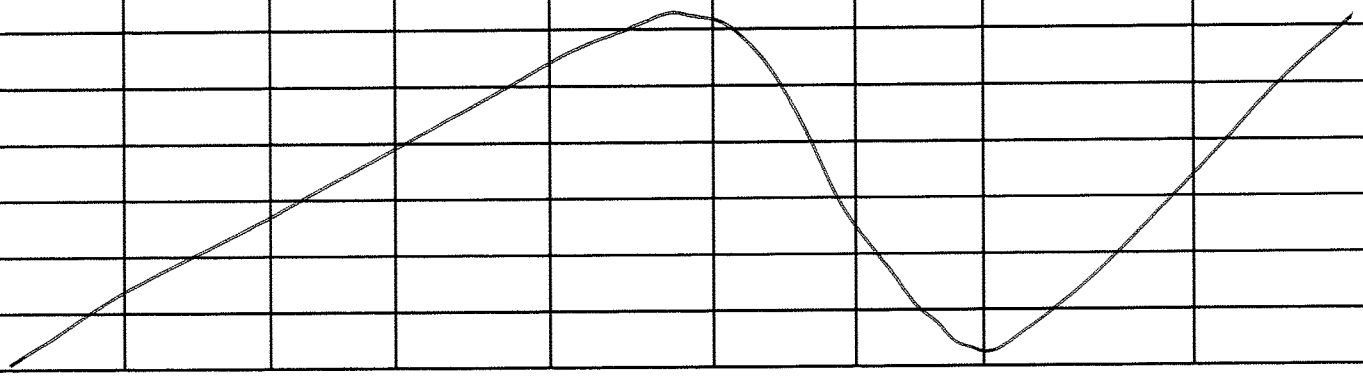
LOW FLOW WELL MONITORING DATA SHEET

Project #: 200910-FK2	Client: GHD
Sampler: FK	Gauging Date: 9/10/20
Well I.D.: MW-19	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 35.00	Depth to Water (ft.): 17.13
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___

Start Purge Time: 12:22 Flow Rate: 200 mL/min Pump Depth: 26

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.)
1225 ~~20.71~~	20.71	7.24	367	33	1.85	153.6	600	17.28
1228	21.14	6.97	370	21	1.44	154.8	1200	17.35
1231	2135	6.84	372	18	1.32	152.1	1800	17.35
1234	21.33	6.82	371	19	1.20	149.1	2400	17.35
1237	21.32	6.80	371	19	1.25	147.9	3000	17.35



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

Sampling Time: 1240 Sampling Date: 9/10/20

Sample I.D.: MW-19 Laboratory: Calscience

Analyzed for: (TPH-G) BTEX MTBE (TPH-D) (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: DUP-1

eurofins | Calscience

CHAIN OF CUSTODY RECORD

DATE: 9/10/20

PAGE: 1 OF 1

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

LABORATORY CLIENT: GHD

ADDRESS: 920 N 6th Ave

CITY: Yakima STATE: WA ZIP:

TEL: (253) 302-8281 E-MAIL:

CLIENT PROJECT NAME / NUMBER: 11145929

P.O. NO.:

PROJECT CONTACT: Matt Davis

SAMPLER(S): (PRINT) Foster Kaetzel

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH = 0	BTEX / MTBE ☒ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035): ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs: ☐ 8270 ☐ 8270 SIM	T22 Metals: ☐ 6010/747X ☐ 6020/747X	Cr(VI): ☐ 7196 ☐ 7199 ☐ 218.6	Naphthalene
	MW-15	9/10/20	1203	GW	8	2	6		X	X		X	X										X
	MW-17	9/10/20	1323	GW	8	2	8		X	X		X	X										X
	MW-19	9/10/20	1240	GW	8	2	6		X	X		X	X										X
	DUP-1	9/10/20	1200	GW	8	2	6		X	X		X	X										X
	TB01	9/10/20	1200	GW	3		3		X				X										X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Shipped via Fed Ex	Date: 9/11/20	Time: 1515
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

WELLHEAD INSPECTION FORM

Client: GHD Site: 920 N 6th Ave Yakima WA Date: 9/10/20

Job #: 200910-FK2 Technician: Foster K 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-7	X			X											PVC CAP
MW-8	X			X	2/2										
MW-15	X			X											
MW-16	X			X											
MW-17	X			X											
MW-18	X			X											
MW-19	X			X	1/2										cleared obstruction in well

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	920 N 6th Ave Yakima WA			PROJECT NUMBER	200910-FK2		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	BTS #6	9/10/20 0520	pH 4 7 10	4.00 6.95 9.97	√	17.80°C 17.72°C 17.89°C	FK
			cond 3900 uS/cm DO 100%	3884 uS/cm 98.1%	√	17.91°C 18.62°C	FK
			ORP 237.5mV	239.1 mV	√	17.74°C	FK

PHILLIPS 66-WASHINGTON/OREGON TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT PHILLIPS 66 FACILITIES IN THE STATE OF WASHINGTON AND OREGON. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN KENT, WASHINGTON FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 22727 72ND Ave South, Suite D – 102, Kent, WA 98032. BLAINE TECH. is authorized by PHILLIPS 66 to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the PHILLIPS 66 facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one PHILLIPS 66 facility to BLAINE TECH; from one PHILLIPS 66 facility to BLAINE TECH via another PHILLIPS 66 facility; or any combination thereof. The well purgewater is and remains the property of PHILLIPS 66.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the PHILLIPS 66 facility described below:

11145929 (PHILLIPS 66 #) Matt Davis (PHILLIPS 66 Project Manager)

920 (Street number) N 6th Ave (street name) Yakima (city) WA (state)

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-15	1		
MW-17	1		
MW-19	1		

added equip. rinse water / 1

any other adjustments /

TOTAL GALS. RECOVERED 4

loaded onto BTS vehicle # 88

BTS event # 200910-FK2 time 1545 date 9/10/20

signature

WELL GAUGING DATA

Project # 201201-LB1 Date 12/1/20 Client GHD

Site PG&E YAKIMA - 920 N. 6TH AVE

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-7	0900	2	—	—	—	—	17.36	23.73		
MW-8	0838	2	—	—	—	—	19.88	27.62		
MW-15	0848	2	—	—	—	—	17.92	33.13		
MW-16	0851	2	—	—	—	—	19.63	33.04		
MW-17	0910	2	—	—	—	—	19.45	28.70		
MW-18	0907	2	—	—	—	—	18.37	32.28		
MW-19	0843	2	—	—	—	—	19.96	34.79		

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201201-LB1	Client: GHD
Sampler: LB	Gauging Date: 12/1/20
Well I.D.: MW-15	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 33.13	Depth to Water (ft.): 17.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI ProPlus

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ___

Start Purge Time: 1057 Flow Rate: 200 mL / MIN Pump Depth: 25'

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.)
1100	15.5	6.40	597	>1000	0.90	39.7	600	18.03
1103	15.6	6.44	586	>1000	2.45	11.5	1200	18.03
1106	15.6	6.50	581	>1000	1.17	-1.3	1800	18.03
1109	15.5	6.50	585	>1000	0.64	-8.1	2400	18.03
1112	15.6	6.51	584	>1000	0.55	-10.5	3000	18.03
1115	15.6	6.51	584	>1000	0.54	-11.3	3600	18.03
1118	15.6	6.52	583	>1000	0.53	-12.8	4200	18.03

Did well dewater? Yes (No) Amount actually evacuated: 4.2L

Sampling Time: 1119 Sampling Date: 12/1/20

Sample I.D.: MW-15 Laboratory: CAL SCIENCE

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: SEE COC

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201201-LB1	Client: GHD
Sampler: LB	Gauging Date: 12/1/20
Well I.D.: MW-17	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 28.70	Depth to Water (ft.): 19.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI PROPLUS

Purge Method: 2" Grundfos Pump (Peristaltic) Pump Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ____

Start Purge Time: 0919 Flow Rate: 200 mL/MIN Pump Depth: 25'

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.)
0922	15.9	6.79	274	>1000	2.35	155.9	600	19.51
0925	15.8	6.70	274	498	2.40	144.2	1200	19.51
0928	15.8	6.68	275	25	2.74	130.5	1800	19.51
0931	15.8	6.56	277	24	2.75	119.2	2400	19.51
0934	15.8	6.54	278	24	2.76	118.8	3000	19.51
0937	15.7	6.52	278	24	2.77	117.3	3600	19.51

Did well dewater? Yes (No) Amount actually evacuated: 3.6L

Sampling Time: 0938 Sampling Date: 12/1/20

Sample I.D.: MW-17 Laboratory: CALSCIENCE

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other (SEE COC)

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201201-LB1	Client: GHD
Sampler: LB	Gauging Date: 12/1/20
Well I.D.: MW-19	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 34.79	Depth to Water (ft.): 19.96
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___

Start Purge Time: 1004 Flow Rate: 200 mL/min Pump Depth: 25'

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.)
1007	16.6	6.43	338	77	0.41	104.6	600	19.99
1010	16.7	6.38	333	72	0.99	105.3	1200	19.99
1013	16.7	6.35	328	70	0.97	105.8	1800	19.99
1016	16.6	6.34	325	70	0.90	98.4	2400	19.99
1019	16.6	6.34	324	70	0.89	96.3	3000	19.99
1022	16.6	6.33	324	69	0.88	95.8	3600	19.99

Did well dewater? Yes (No)	Amount actually evacuated: 3.6L
Sampling Time: 1022	Sampling Date: 12/1/20
Sample I.D.: MW-19	Laboratory: CALSCIENCE
Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D)	Other: SEE COC
Equipment Blank I.D.: @ Time	Duplicate I.D.: DUP-1

WELLHEAD INSPECTION FORM

Client: GHD Site: PGG YAKIMA - 920 N. 6TH AVE Date: 12/1/20

Job #: 201201-L81 Technician: L. BURES 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-7	X			X											
MW-8	X			X											
MW-15	X			X											
MW-16	X			X											
MW-17	X			X											
MW-18	X			X											
MW-19	X			X											

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME PGG YAKIMA				PROJECT NUMBER 201201-LBI			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI ProPlus	SEA #4	12/1/20 0500	pH 4.0 7.0 10.0	3.98 ✓ 7.04 ✓ 10.03 ✓	—	12.6	LB
			COND 3900	3898 ✓	—	12.5	LB
			ORP 250	248.6 ✓	—	12.4	LB
			DO 100%	98.6% ✓	—	—	LB

PHILLIPS 66-WASHINGTON/OREGON TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT PHILLIPS 66 FACILITIES IN THE STATE OF WASHINGTON AND OREGON. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN KENT, WASHINGTON FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 22727 72ND Ave South, Suite D – 102, Kent, WA 98032. BLAINE TECH. is authorized by PHILLIPS 66 to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the PHILLIPS 66 facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one PHILLIPS 66 facility to BLAINE TECH; from one PHILLIPS 66 facility to BLAINE TECH via another PHILLIPS 66 facility; or any combination thereof. The well purgewater is and remains the property of PHILLIPS 66.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the PHILLIPS 66 facility described below:

PHILLIPS 66 # _____ PHILLIPS 66 Project Manager _____

920 N. 6TH Ave, Yakima, WA

Street number / street name / city / state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-15	1.0		
MW-17	1.0		
MW-19	1.0		

added equip. rinse water 1.0

any other adjustments _____

TOTAL GALS. RECOVERED 4.0

loaded onto BTS vehicle # 92

BTS event # 201201-LB1 time 1200 date 12/1/20

signature _____

Appendix B
Laboratory Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-31506-1
Client Project/Site: P66 Yakima / 11145929

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

Attn: Heather Gadwa

Vik Patel

Authorized for release by:
6/25/2020 4:30:50 PM

Vikas Patel, Project Manager I
(714)895-5494
vikaspatel@eurofinsus.com

Table of Contents

Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-31506-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
Z	The chromatographic response does not resemble a typical fuel pattern.

GC Semi VOA

Qualifier	Qualifier Description
Z	The chromatographic response does not resemble a typical fuel pattern.

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

Job ID: 570-31506-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-31506-1

Comments
No additional comments.

Receipt
The samples were received on 6/20/2020 12:00 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4º C.

Receipt Exceptions

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC).

GC/MS VOA
Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-77149.

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 570-77494. LCS/LCSD was performed to meet QC requirement.

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 Yakima / 11145929

Job ID: 570-31506-1

Client Sample ID: GW-061720-JRL-MW15 — Lab Sample ID: 570-31506-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	260		4.0		ug/L	4		8260B	Total/NA
o-Xylene	8.3		4.0		ug/L	4		8260B	Total/NA
m,p-Xylene	100		8.0		ug/L	4		8260B	Total/NA
Toluene	32		4.0		ug/L	4		8260B	Total/NA
Xylenes, Total	110		12		ug/L	4		8260B	Total/NA
Benzene - RA	960		25		ug/L	50		8260B	Total/NA
TPH as Gasoline (C4-C13)	3700	Z	100		ug/L	1		NWTPH-Gx	Total/NA
TPH as Diesel Range	6.5	Z	1.1		mg/L	10		NWTPH-Dx	Total/NA

Client Sample ID: GW-061720-JRL-MW17 — Lab Sample ID: 570-31506-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	1.3		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: GW-061720-JRL-MW19 — Lab Sample ID: 570-31506-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
TPH as Diesel Range	0.12	Z	0.12		mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: DUP — Lab Sample ID: 570-31506-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	260		4.0		ug/L	4		8260B	Total/NA
o-Xylene	8.6		4.0		ug/L	4		8260B	Total/NA
m,p-Xylene	98		8.0		ug/L	4		8260B	Total/NA
Toluene	33		4.0		ug/L	4		8260B	Total/NA
Xylenes, Total	110		12		ug/L	4		8260B	Total/NA
Benzene - RA	1000		25		ug/L	50		8260B	Total/NA
TPH as Gasoline (C4-C13)	3600	Z	100		ug/L	1		NWTPH-Gx	Total/NA
TPH as Diesel Range	7.3	Z	1.1		mg/L	10		NWTPH-Dx	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-061720-JRL-MW15
Date Collected: 06/18/20 11:05
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**260**		4.0		ug/L			06/23/20 18:24	4
o-Xylene	**8.3**		4.0		ug/L			06/23/20 18:24	4
m,p-Xylene	**100**		8.0		ug/L			06/23/20 18:24	4
Methyl-t-Butyl Ether (MTBE)	ND		4.0		ug/L			06/23/20 18:24	4
Toluene	**32**		4.0		ug/L			06/23/20 18:24	4
Xylenes, Total	**110**		12		ug/L			06/23/20 18:24	4
1,2-Dibromoethane	ND		4.0		ug/L			06/23/20 18:24	4
1,2-Dichloroethane	ND		2.0		ug/L			06/23/20 18:24	4
Naphthalene	ND		40		ug/L			06/23/20 18:24	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 129*		*06/23/20 18:24*	*4*
4-Bromofluorobenzene (Surr)	*97*		*77 - 120*		*06/23/20 18:24*	*4*
Dibromofluoromethane (Surr)	*105*		*80 - 128*		*06/23/20 18:24*	*4*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/23/20 18:24*	*4*

Client Sample ID: GW-061720-JRL-MW17
Date Collected: 06/18/20 10:25
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.3**		0.50		ug/L			06/24/20 03:29	1
Ethylbenzene	ND		1.0		ug/L			06/24/20 03:29	1
o-Xylene	ND		1.0		ug/L			06/24/20 03:29	1
m,p-Xylene	ND		2.0		ug/L			06/24/20 03:29	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			06/24/20 03:29	1
Toluene	ND		1.0		ug/L			06/24/20 03:29	1
Xylenes, Total	ND		3.0		ug/L			06/24/20 03:29	1
1,2-Dibromoethane	ND		1.0		ug/L			06/24/20 03:29	1
1,2-Dichloroethane	ND		0.50		ug/L			06/24/20 03:29	1
Naphthalene	ND		10		ug/L			06/24/20 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 129*		*06/24/20 03:29*	*1*
4-Bromofluorobenzene (Surr)	*93*		*77 - 120*		*06/24/20 03:29*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 128*		*06/24/20 03:29*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/24/20 03:29*	*1*

Client Sample ID: GW-061720-JRL-MW19
Date Collected: 06/18/20 11:50
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/24/20 03:58	1
Ethylbenzene	ND		1.0		ug/L			06/24/20 03:58	1
o-Xylene	ND		1.0		ug/L			06/24/20 03:58	1
m,p-Xylene	ND		2.0		ug/L			06/24/20 03:58	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			06/24/20 03:58	1
Toluene	ND		1.0		ug/L			06/24/20 03:58	1
Xylenes, Total	ND		3.0		ug/L			06/24/20 03:58	1
1,2-Dibromoethane	ND		1.0		ug/L			06/24/20 03:58	1
1,2-Dichloroethane	ND		0.50		ug/L			06/24/20 03:58	1

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

Client Sample ID: GW-061720-JRL-MW19
Date Collected: 06/18/20 11:50
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/L			06/24/20 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 129*		*06/24/20 03:58*	*1*
4-Bromofluorobenzene (Surr)	*94*		*77 - 120*		*06/24/20 03:58*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 128*		*06/24/20 03:58*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/24/20 03:58*	*1*

Client Sample ID: DUP
Date Collected: 06/18/20 00:00
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**260**		4.0		ug/L			06/23/20 18:52	4
o-Xylene	**8.6**		4.0		ug/L			06/23/20 18:52	4
m,p-Xylene	**98**		8.0		ug/L			06/23/20 18:52	4
Methyl-t-Butyl Ether (MTBE)	ND		4.0		ug/L			06/23/20 18:52	4
Toluene	**33**		4.0		ug/L			06/23/20 18:52	4
Xylenes, Total	**110**		12		ug/L			06/23/20 18:52	4
1,2-Dibromoethane	ND		4.0		ug/L			06/23/20 18:52	4
1,2-Dichloroethane	ND		2.0		ug/L			06/23/20 18:52	4
Naphthalene	ND		40		ug/L			06/23/20 18:52	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 129*		*06/23/20 18:52*	*4*
4-Bromofluorobenzene (Surr)	*98*		*77 - 120*		*06/23/20 18:52*	*4*
Dibromofluoromethane (Surr)	*107*		*80 - 128*		*06/23/20 18:52*	*4*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/23/20 18:52*	*4*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Client Sample ID: GW-061720-JRL-MW15
Date Collected: 06/18/20 11:05
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**960**		25		ug/L			06/24/20 16:31	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 129*		*06/24/20 16:31*	*50*
4-Bromofluorobenzene (Surr)	*91*		*77 - 120*		*06/24/20 16:31*	*50*
Dibromofluoromethane (Surr)	*100*		*80 - 128*		*06/24/20 16:31*	*50*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/24/20 16:31*	*50*

Client Sample ID: DUP
Date Collected: 06/18/20 00:00
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1000**		25		ug/L			06/24/20 17:00	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 129*		*06/24/20 17:00*	*50*
4-Bromofluorobenzene (Surr)	*93*		*77 - 120*		*06/24/20 17:00*	*50*
Dibromofluoromethane (Surr)	*99*		*80 - 128*		*06/24/20 17:00*	*50*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/24/20 17:00*	*50*

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

Client Sample ID: GW-061720-JRL-MW15
Date Collected: 06/18/20 11:05
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	**3700**	**Z**	100		ug/L			06/22/20 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*38 - 134*		*06/22/20 23:09*	*1*

Client Sample ID: GW-061720-JRL-MW17
Date Collected: 06/18/20 10:25
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			06/23/20 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*38 - 134*		*06/23/20 00:20*	*1*

Client Sample ID: GW-061720-JRL-MW19
Date Collected: 06/18/20 11:50
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			06/23/20 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*38 - 134*		*06/23/20 00:44*	*1*

Client Sample ID: DUP
Date Collected: 06/18/20 00:00
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	**3600**	**Z**	100		ug/L			06/23/20 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*38 - 134*		*06/23/20 01:08*	*1*

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

Client Sample ID: GW-061720-JRL-MW15
Date Collected: 06/18/20 11:05
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	**6.5**	**Z**	1.1		mg/L		06/24/20 12:16	06/25/20 13:24	10
TPH as Motor Oil Range	ND		0.11		mg/L		06/24/20 12:16	06/25/20 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*123*		*68 - 140*	*06/24/20 12:16*	*06/25/20 11:59*	*1*
n-Octacosane (Surr)	*114*		*68 - 140*	*06/24/20 12:16*	*06/25/20 13:24*	*10*

Client Sample ID: GW-061720-JRL-MW17
Date Collected: 06/18/20 10:25
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.11		mg/L		06/24/20 12:16	06/25/20 12:20	1
TPH as Motor Oil Range	ND		0.11		mg/L		06/24/20 12:16	06/25/20 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*129*		*68 - 140*	*06/24/20 12:16*	*06/25/20 12:20*	*1*

Client Sample ID: GW-061720-JRL-MW19
Date Collected: 06/18/20 11:50
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	**0.12**	**Z**	0.12		mg/L		06/24/20 12:16	06/25/20 12:42	1
TPH as Motor Oil Range	ND		0.12		mg/L		06/24/20 12:16	06/25/20 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*113*		*68 - 140*	*06/24/20 12:16*	*06/25/20 12:42*	*1*

Client Sample ID: DUP
Date Collected: 06/18/20 00:00
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	**7.3**	**Z**	1.1		mg/L		06/24/20 12:16	06/25/20 13:46	10
TPH as Motor Oil Range	ND		0.11		mg/L		06/24/20 12:16	06/25/20 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*126*		*68 - 140*	*06/24/20 12:16*	*06/25/20 13:03*	*1*
n-Octacosane (Surr)	*110*		*68 - 140*	*06/24/20 12:16*	*06/25/20 13:46*	*10*

Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-31506-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-129)	(77-120)	(80-128)	(80-120)
570-31506-1	GW-061720-JRL-MW15	105	97	105	91
570-31506-1 - RA	GW-061720-JRL-MW15	95	91	100	99
570-31506-2	GW-061720-JRL-MW17	105	93	107	101
570-31506-3	GW-061720-JRL-MW19	106	94	106	101
570-31506-4	DUP	104	98	107	99
570-31506-4 - RA	DUP	95	93	99	99
570-31550-B-1 MS	Matrix Spike	92	100	95	98
570-31550-B-1 MSD	Matrix Spike Duplicate	91	98	95	98
LCS 570-77149/3	Lab Control Sample	102	96	106	102
LCS 570-77306/4	Lab Control Sample	98	100	101	100
LCS 570-77379/3	Lab Control Sample	90	97	95	97
LCSD 570-77149/4	Lab Control Sample Dup	107	98	107	96
LCSD 570-77306/5	Lab Control Sample Dup	96	99	99	101
LCSD 570-77379/4	Lab Control Sample Dup	89	98	95	97
MB 570-77149/7	Method Blank	103	99	103	101
MB 570-77306/10	Method Blank	99	96	99	101
MB 570-77379/7	Method Blank	94	91	99	99

Surrogate Legend

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

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-129)	(77-120)	(80-128)	(80-120)
570-31455-J-2-A MS	Matrix Spike	98	98	101	100
570-31455-J-2-A MSD	Matrix Spike Duplicate	98	99	100	101

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	(38-134)
570-31506-1	GW-061720-JRL-MW15	119
570-31506-1 MS	GW-061720-JRL-MW15	124
570-31506-1 MSD	GW-061720-JRL-MW15	125
570-31506-2	GW-061720-JRL-MW17	84
570-31506-3	GW-061720-JRL-MW19	84
570-31506-4	DUP	118

Surrogate Summary

Client: GHD Services Inc. Job ID: 570-31506-1
Project/Site: P66 Yakima / 11145929

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

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (38-134)
LCS 570-76920/6	Lab Control Sample	91
LCSD 570-76920/7	Lab Control Sample Dup	92
MB 570-76920/8	Method Blank	83

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)
Lab Sample ID	Client Sample ID	OTCSN (68-140)
570-31506-1	GW-061720-JRL-MW15	123
570-31506-1	GW-061720-JRL-MW15	114
570-31506-2	GW-061720-JRL-MW17	129
570-31506-3	GW-061720-JRL-MW19	113
570-31506-4	DUP	126
570-31506-4	DUP	110
LCS 570-77494/2-A	Lab Control Sample	116
LCSD 570-77494/3-A	Lab Control Sample Dup	114
MB 570-77494/1-A	Method Blank	100

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-77149/7
Matrix: Water
Analysis Batch: 77149

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			06/23/20 11:00	1
Ethylbenzene	ND		1.0		ug/L			06/23/20 11:00	1
o-Xylene	ND		1.0		ug/L			06/23/20 11:00	1
m,p-Xylene	ND		2.0		ug/L			06/23/20 11:00	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			06/23/20 11:00	1
Toluene	ND		1.0		ug/L			06/23/20 11:00	1
Xylenes, Total	ND		3.0		ug/L			06/23/20 11:00	1
1,2-Dibromoethane	ND		1.0		ug/L			06/23/20 11:00	1
1,2-Dichloroethane	ND		0.50		ug/L			06/23/20 11:00	1
Naphthalene	ND		10		ug/L			06/23/20 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 129*		*06/23/20 11:00*	*1*
4-Bromofluorobenzene (Surr)	*99*		*77 - 120*		*06/23/20 11:00*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 128*		*06/23/20 11:00*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/23/20 11:00*	*1*

Lab Sample ID: LCS 570-77149/3
Matrix: Water
Analysis Batch: 77149

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	55.05		ug/L		110	78 - 120		
Ethylbenzene			50.0	50.61		ug/L		101	80 - 120		
o-Xylene			50.0	49.34		ug/L		99	80 - 125		
m,p-Xylene			100	98.60		ug/L		99	80 - 125		
Methyl-t-Butyl Ether (MTBE)			50.0	43.59		ug/L		87	77 - 120		
Toluene			50.0	51.37		ug/L		103	80 - 122		
1,2-Dibromoethane			50.0	51.63		ug/L		103	80 - 120		
1,2-Dichloroethane			50.0	54.55		ug/L		109	75 - 123		
Naphthalene			50.0	55.33		ug/L		111	64 - 136		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 129*
4-Bromofluorobenzene (Surr)	*96*		*77 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 128*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 570-77149/4
Matrix: Water
Analysis Batch: 77149

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			50.0	49.19		ug/L		98	78 - 120	11	21
Ethylbenzene			50.0	48.58		ug/L		97	80 - 120	4	20
o-Xylene			50.0	47.82		ug/L		96	80 - 125	3	20
m,p-Xylene			100	96.59		ug/L		97	80 - 125	2	30
Methyl-t-Butyl Ether (MTBE)			50.0	42.61		ug/L		85	77 - 120	2	24

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

Lab Sample ID: LCSD 570-77149/4
Matrix: Water
Analysis Batch: 77149

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			50.0	45.97		ug/L		92	80 - 122	11	20
1,2-Dibromoethane			50.0	51.42		ug/L		103	80 - 120	0	30
1,2-Dichloroethane			50.0	49.32		ug/L		99	75 - 123	10	24
Naphthalene			50.0	53.73		ug/L		107	64 - 136	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 129*
4-Bromofluorobenzene (Surr)	*98*		*77 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 128*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: MB 570-77306/10
Matrix: Water
Analysis Batch: 77306

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			06/23/20 23:08	1
Ethylbenzene	ND		1.0		ug/L			06/23/20 23:08	1
o-Xylene	ND		1.0		ug/L			06/23/20 23:08	1
m,p-Xylene	ND		2.0		ug/L			06/23/20 23:08	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			06/23/20 23:08	1
Toluene	ND		1.0		ug/L			06/23/20 23:08	1
Xylenes, Total	ND		3.0		ug/L			06/23/20 23:08	1
1,2-Dibromoethane	ND		1.0		ug/L			06/23/20 23:08	1
1,2-Dichloroethane	ND		0.50		ug/L			06/23/20 23:08	1
Naphthalene	ND		10		ug/L			06/23/20 23:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 129*		*06/23/20 23:08*	*1*
4-Bromofluorobenzene (Surr)	*96*		*77 - 120*		*06/23/20 23:08*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 128*		*06/23/20 23:08*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/23/20 23:08*	*1*

Lab Sample ID: LCS 570-77306/4
Matrix: Water
Analysis Batch: 77306

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			50.0	48.72		ug/L		97	78 - 120
Ethylbenzene			50.0	49.93		ug/L		100	80 - 120
o-Xylene			50.0	52.66		ug/L		105	80 - 125
m,p-Xylene			100	100.2		ug/L		100	80 - 125
Methyl-t-Butyl Ether (MTBE)			50.0	47.58		ug/L		95	77 - 120
Toluene			50.0	48.36		ug/L		97	80 - 122
1,2-Dibromoethane			50.0	53.09		ug/L		106	80 - 120
1,2-Dichloroethane			50.0	49.26		ug/L		99	75 - 123
Naphthalene			50.0	52.79		ug/L		106	64 - 136

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

Lab Sample ID: LCS 570-77306/4
Matrix: Water
Analysis Batch: 77306

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 129*
4-Bromofluorobenzene (Surr)	*100*		*77 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 128*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-77306/5
Matrix: Water
Analysis Batch: 77306

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			50.0	50.08		ug/L		100	78 - 120	3	21
Ethylbenzene			50.0	51.54		ug/L		103	80 - 120	3	20
o-Xylene			50.0	53.79		ug/L		108	80 - 125	2	20
m,p-Xylene			100	102.6		ug/L		103	80 - 125	2	30
Methyl-t-Butyl Ether (MTBE)			50.0	47.15		ug/L		94	77 - 120	1	24
Toluene			50.0	50.12		ug/L		100	80 - 122	4	20
1,2-Dibromoethane			50.0	53.67		ug/L		107	80 - 120	1	30
1,2-Dichloroethane			50.0	50.97		ug/L		102	75 - 123	3	24
Naphthalene			50.0	53.13		ug/L		106	64 - 136	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 129*
4-Bromofluorobenzene (Surr)	*99*		*77 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 128*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 570-77379/7
Matrix: Water
Analysis Batch: 77379

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			06/24/20 11:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 129*		*06/24/20 11:37*	*1*
4-Bromofluorobenzene (Surr)	*91*		*77 - 120*		*06/24/20 11:37*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 128*		*06/24/20 11:37*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/24/20 11:37*	*1*

Lab Sample ID: LCS 570-77379/3
Matrix: Water
Analysis Batch: 77379

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	48.78		ug/L		98	78 - 120		

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

Lab Sample ID: LCS 570-77379/3
Matrix: Water
Analysis Batch: 77379

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*80 - 129*
4-Bromofluorobenzene (Surr)	*97*		*77 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 128*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 570-77379/4
Matrix: Water
Analysis Batch: 77379

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			50.0	44.67		ug/L		89	78 - 120	9	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*80 - 129*
4-Bromofluorobenzene (Surr)	*98*		*77 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 128*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 570-31550-B-1 MS
Matrix: Water
Analysis Batch: 77379

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	ND		100	103.0		ug/L		103	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 129*
4-Bromofluorobenzene (Surr)	*100*		*77 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 128*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 570-31550-B-1 MSD
Matrix: Water
Analysis Batch: 77379

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		100	101.2		ug/L		101	75 - 125	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 129*
4-Bromofluorobenzene (Surr)	*98*		*77 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 128*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 570-31455-J-2-A MS
Matrix: Water
Analysis Batch: 77306

Client Sample ID: Matrix Spike
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		5000	5276		ug/L		106	75 - 125
Ethylbenzene	ND		5000	5288		ug/L		106	75 - 125
o-Xylene	ND		5000	5544		ug/L		111	75 - 136
m,p-Xylene	ND		10000	10560		ug/L		106	75 - 133
Methyl-t-Butyl Ether (MTBE)	ND		5000	4679		ug/L		94	75 - 128
Toluene	ND		5000	5171		ug/L		103	75 - 125
1,2-Dibromoethane	ND		5000	5343		ug/L		107	75 - 125
1,2-Dichloroethane	ND		5000	5162		ug/L		103	75 - 125
Naphthalene	ND		5000	5037		ug/L		101	71 - 131

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 129*
4-Bromofluorobenzene (Surr)	*98*		*77 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 128*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 570-31455-J-2-A MSD
Matrix: Water
Analysis Batch: 77306

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		5000	5178		ug/L		104	75 - 125	2	20
Ethylbenzene	ND		5000	5248		ug/L		105	75 - 125	1	20
o-Xylene	ND		5000	5448		ug/L		109	75 - 136	2	20
m,p-Xylene	ND		10000	10450		ug/L		105	75 - 133	1	20
Methyl-t-Butyl Ether (MTBE)	ND		5000	4714		ug/L		94	75 - 128	1	20
Toluene	ND		5000	5044		ug/L		101	75 - 125	2	20
1,2-Dibromoethane	ND		5000	5391		ug/L		108	75 - 125	1	20
1,2-Dichloroethane	ND		5000	5111		ug/L		102	75 - 125	1	20
Naphthalene	ND		5000	5203		ug/L		104	71 - 131	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 129*
4-Bromofluorobenzene (Surr)	*99*		*77 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 128*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: MB 570-76920/8
Matrix: Water
Analysis Batch: 76920

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			06/22/20 13:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*38 - 134*		*06/22/20 13:40*	*1*

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

Lab Sample ID: LCS 570-76920/6
Matrix: Water
Analysis Batch: 76920

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)			2000	2011		ug/L		101	78 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*38 - 134*

Lab Sample ID: LCSD 570-76920/7
Matrix: Water
Analysis Batch: 76920

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)			2000	2021		ug/L		101	78 - 120	0	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*38 - 134*

Lab Sample ID: 570-31506-1 MS
Matrix: Water
Analysis Batch: 76920

Client Sample ID: GW-061720-JRL-MW15
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)	3700	Z	2000	5259		ug/L		80	68 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*38 - 134*

Lab Sample ID: 570-31506-1 MSD
Matrix: Water
Analysis Batch: 76920

Client Sample ID: GW-061720-JRL-MW15
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)	3700	Z	2000	5391		ug/L		86	68 - 122	2	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*38 - 134*

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

Lab Sample ID: MB 570-77494/1-A
Matrix: Water
Analysis Batch: 77684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 77494

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10		mg/L		06/24/20 12:16	06/25/20 09:51	1
TPH as Motor Oil Range	ND		0.10		mg/L		06/24/20 12:16	06/25/20 09:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*100*		*68 - 140*	*06/24/20 12:16*	*06/25/20 09:51*	*1*

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

Lab Sample ID: LCS 570-77494/2-A
Matrix: Water
Analysis Batch: 77684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 77494

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C28			0.800	0.7919		mg/L		99	75 - 117		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*116*		*68 - 140*

Lab Sample ID: LCSD 570-77494/3-A
Matrix: Water
Analysis Batch: 77684

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 77494

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C10-C28			0.800	0.7936		mg/L		99	75 - 117	0	13

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*114*		*68 - 140*

QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-31506-1

GC/MS VOA

Analysis Batch: 77149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31506-1	GW-061720-JRL-MW15	Total/NA	Water	8260B	
570-31506-4	DUP	Total/NA	Water	8260B	
MB 570-77149/7	Method Blank	Total/NA	Water	8260B	
LCS 570-77149/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-77149/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Leach Batch: 77260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31455-J-2-A MS	Matrix Spike	TCLP	Water	1311	
570-31455-J-2-A MSD	Matrix Spike Duplicate	TCLP	Water	1311	

Analysis Batch: 77306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31506-2	GW-061720-JRL-MW17	Total/NA	Water	8260B	
570-31506-3	GW-061720-JRL-MW19	Total/NA	Water	8260B	
MB 570-77306/10	Method Blank	Total/NA	Water	8260B	
LCS 570-77306/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-77306/5	Lab Control Sample Dup	Total/NA	Water	8260B	
570-31455-J-2-A MS	Matrix Spike	TCLP	Water	8260B	77260
570-31455-J-2-A MSD	Matrix Spike Duplicate	TCLP	Water	8260B	77260

Analysis Batch: 77379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31506-1 - RA	GW-061720-JRL-MW15	Total/NA	Water	8260B	
570-31506-4 - RA	DUP	Total/NA	Water	8260B	
MB 570-77379/7	Method Blank	Total/NA	Water	8260B	
LCS 570-77379/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-77379/4	Lab Control Sample Dup	Total/NA	Water	8260B	
570-31550-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
570-31550-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 76920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31506-1	GW-061720-JRL-MW15	Total/NA	Water	NWTPH-Gx	
570-31506-2	GW-061720-JRL-MW17	Total/NA	Water	NWTPH-Gx	
570-31506-3	GW-061720-JRL-MW19	Total/NA	Water	NWTPH-Gx	
570-31506-4	DUP	Total/NA	Water	NWTPH-Gx	
MB 570-76920/8	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-76920/6	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-76920/7	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
570-31506-1 MS	GW-061720-JRL-MW15	Total/NA	Water	NWTPH-Gx	
570-31506-1 MSD	GW-061720-JRL-MW15	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 77494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31506-1	GW-061720-JRL-MW15	Total/NA	Water	3510C	
570-31506-2	GW-061720-JRL-MW17	Total/NA	Water	3510C	
570-31506-3	GW-061720-JRL-MW19	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 77494 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31506-4	DUP	Total/NA	Water	3510C	
MB 570-77494/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-77494/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-77494/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 77684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31506-1	GW-061720-JRL-MW15	Total/NA	Water	NWTPH-Dx	77494
570-31506-1	GW-061720-JRL-MW15	Total/NA	Water	NWTPH-Dx	77494
570-31506-2	GW-061720-JRL-MW17	Total/NA	Water	NWTPH-Dx	77494
570-31506-3	GW-061720-JRL-MW19	Total/NA	Water	NWTPH-Dx	77494
570-31506-4	DUP	Total/NA	Water	NWTPH-Dx	77494
570-31506-4	DUP	Total/NA	Water	NWTPH-Dx	77494
MB 570-77494/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	77494
LCS 570-77494/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	77494
LCSD 570-77494/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	77494

Lab Chronicle

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-31506-1

Client Sample ID: GW-061720-JRL-MW15

Lab Sample ID: 570-31506-1

Date Collected: 06/18/20 11:05
Matrix: Water
Date Received: 06/20/20 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	50	5 mL	5 mL	77379	06/24/20 16:31	NET3	ECL 2
	Instrument ID: GCMSOO									
Total/NA	Analysis	8260B		4	5 mL	5 mL	77149	06/23/20 18:24	CVA6	ECL 2
	Instrument ID: GCMSW									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	76920	06/22/20 23:09	W6MG	ECL 2
	Instrument ID: GC1									
Total/NA	Prep	3510C			458.7 mL	5 mL	77494	06/24/20 12:16	UFLU	ECL 1
Total/NA	Analysis	NWTPH-Dx		1			77684	06/25/20 11:59	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3510C			458.7 mL	5 mL	77494	06/24/20 12:16	UFLU	ECL 1
Total/NA	Analysis	NWTPH-Dx		10			77684	06/25/20 13:24	I9H5	ECL 1
	Instrument ID: GC48									

Client Sample ID: GW-061720-JRL-MW17

Lab Sample ID: 570-31506-2

Date Collected: 06/18/20 10:25
Matrix: Water
Date Received: 06/20/20 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	77306	06/24/20 03:29	NET3	ECL 2
	Instrument ID: GCMSJJ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	76920	06/23/20 00:20	W6MG	ECL 2
	Instrument ID: GC1									
Total/NA	Prep	3510C			456.5 mL	5 mL	77494	06/24/20 12:16	UFLU	ECL 1
Total/NA	Analysis	NWTPH-Dx		1			77684	06/25/20 12:20	I9H5	ECL 1
	Instrument ID: GC48									

Client Sample ID: GW-061720-JRL-MW19

Lab Sample ID: 570-31506-3

Date Collected: 06/18/20 11:50
Matrix: Water
Date Received: 06/20/20 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	77306	06/24/20 03:58	NET3	ECL 2
	Instrument ID: GCMSJJ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	76920	06/23/20 00:44	W6MG	ECL 2
	Instrument ID: GC1									
Total/NA	Prep	3510C			424.2 mL	5 mL	77494	06/24/20 12:16	UFLU	ECL 1
Total/NA	Analysis	NWTPH-Dx		1			77684	06/25/20 12:42	I9H5	ECL 1
	Instrument ID: GC48									

Client Sample ID: DUP

Lab Sample ID: 570-31506-4

Date Collected: 06/18/20 00:00
Matrix: Water
Date Received: 06/20/20 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	50	5 mL	5 mL	77379	06/24/20 17:00	NET3	ECL 2
	Instrument ID: GCMSOO									

Lab Chronicle

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-31506-1

Client Sample ID: DUP

Date Collected: 06/18/20 00:00
Date Received: 06/20/20 12:00

Lab Sample ID: 570-31506-4

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	8260B		4	5 mL	5 mL	77149	06/23/20 18:52	CVA6	ECL 2
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	76920	06/23/20 01:08	W6MG	ECL 2
	Instrument ID: GC1									
Total/NA	Prep	3510C			462.9 mL	5 mL	77494	06/24/20 12:16	UFLU	ECL 1
Total/NA	Analysis	NWTPH-Dx		1			77684	06/25/20 13:03	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3510C			462.9 mL	5 mL	77494	06/24/20 12:16	UFLU	ECL 1
Total/NA	Analysis	NWTPH-Dx		10			77684	06/25/20 13:46	I9H5	ECL 1
	Instrument ID: GC48									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-31506-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Nevada	State	CA00111	07-31-20
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-20

Method Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-31506-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	ECL 2
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2

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:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-31506-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-31506-1	GW-061720-JRL-MW15	Water	06/18/20 11:05	06/20/20 12:00	
570-31506-2	GW-061720-JRL-MW17	Water	06/18/20 10:25	06/20/20 12:00	
570-31506-3	GW-061720-JRL-MW19	Water	06/18/20 11:50	06/20/20 12:00	
570-31506-4	DUP	Water	06/18/20 00:00	06/20/20 12:00	

ALS Environmental
8620 Holly Drive, Suite 100
~~Everett, WA 98208~~
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

CAL

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Labora 31506

Date 6-17-20 Page 1 Of 1

PROJECT ID:	P166 YAKIMA 11145 929
REPORT TO COMPANY:	GHD
PROJECT MANAGER:	MATT DAVIS
ADDRESS:	20818 44TH AVE W, STE 190
	LYNNWOOD, WA
PHONE:	P.O. #:
E-MAIL:	
INVOICE TO COMPANY:	GHD
ATTENTION:	HEATHER GADWA
ADDRESS:	SSOW: ~~11145 929 2020-~~ TBD

ANALYSIS REQUESTED

OTHER (Specify)

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX ~~8020~~	NWTPH-GX	BTEX by EPA 8021 ☐	BTEX by EPA ~~8260~~ ☐	MTBE by EPA 8021 ☐	MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐	Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐	RCRA-8 ☐	Pri Pol ☐	TAL ☐	Metals Other (Specify)	TCLP-Metals ☐	VOA ☐	Semi-Vol ☐	Pest ☐	Herbs ☐	EDB, EDC, MTBE, NAPHTHALENE								NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. GW-061720-JRL-MW15	6/18/20	1105	W			X	X	X																						X								6	
2. GW-061720-JRL-MW17	↓	1025	W			X	X	X																						X								6	
3. GW-061720-JRL-MW19	↓	1150	W			X	X	X																						X								6	
4. DUP	—	—	W			X	X	X																						X								6	
5.																																							
6.																																							
7.																																							
8.																																							
9.																																							
10.																																							

570-31506 Chain of Custody

SPECIAL INSTRUCTIONS

3.8/3.4 SW

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: GHD, 6/19/20 1200
   Received By: Eli 6/20/2020 1200
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 Standard | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | 1 | SAME DAY

OTHER: Specify:

*Turnaround request less than standard may incur Rush Charges

6/25/2020

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-31506-1

Login Number: 31506
List Number: 1
Creator: Ramos, Maribel

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	

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ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-38415-1
Client Project/Site: P66 Yakima / 11145929

For:
GHD Services Inc.
3600 Port of Tacoma Road
Tacoma, Washington 98424

Attn: Matt Davis

Vik Patel

Authorized for release by:
9/22/2020 10:21:08 AM

Vikas Patel, Project Manager I
(714)895-5494
vikas.patel@eurofinset.com

Table of Contents

Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-38415-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
Z	The chromatographic response does not resemble a typical fuel pattern.

GC Semi VOA

Qualifier	Qualifier Description
Z	The chromatographic response does not resemble a typical fuel pattern.

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

Job ID: 570-38415-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-38415-1

Comments
No additional comments.

Receipt
The samples were received on 9/15/2020 10:10 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described 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 570-95178. LCS/LCSD was performed to meet QC requirement.

Method 3510C: The following samples formed emulsions during the extraction procedure: MW-19 (570-38415-3) and DUP-1 (570-38415-4). The emulsions were broken up using <Na2SO4>.

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 Yakima / 11145929

Job ID: 570-38415-1

Client Sample ID: MW-15 — Lab Sample ID: 570-38415-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	290		2.5		ug/L	5		8260B	Total/NA
Ethylbenzene	23		5.0		ug/L	5		8260B	Total/NA
m,p-Xylene	11		10		ug/L	5		8260B	Total/NA
TPH as Gasoline (C4-C13)	2500	Z	100		ug/L	1		NWTPH-Gx	Total/NA
TPH as Diesel Range	1800	Z	95		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-17 — Lab Sample ID: 570-38415-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
TPH as Diesel Range	250	Z	98		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-19 — Lab Sample ID: 570-38415-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	1.5		0.50		ug/L	1		8260B	Total/NA
TPH as Diesel Range	400	Z	98		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: DUP-1 — Lab Sample ID: 570-38415-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	1.5		0.50		ug/L	1		8260B	Total/NA
TPH as Diesel Range	460	Z	99		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: TB01 — Lab Sample ID: 570-38415-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: MW-15
Date Collected: 09/10/20 12:03
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**290**		2.5		ug/L			09/17/20 18:48	5
Ethylbenzene	**23**		5.0		ug/L			09/17/20 18:48	5
o-Xylene	ND		5.0		ug/L			09/17/20 18:48	5
m,p-Xylene	**11**		10		ug/L			09/17/20 18:48	5
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/L			09/17/20 18:48	5
Toluene	ND		5.0		ug/L			09/17/20 18:48	5
Xylenes, Total	ND		15		ug/L			09/17/20 18:48	5
1,2-Dibromoethane	ND		5.0		ug/L			09/17/20 18:48	5
1,2-Dichloroethane	ND		2.5		ug/L			09/17/20 18:48	5
Naphthalene	ND		50		ug/L			09/17/20 18:48	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 129*		*09/17/20 18:48*	*5*
4-Bromofluorobenzene (Surr)	*107*		*77 - 120*		*09/17/20 18:48*	*5*
Dibromofluoromethane (Surr)	*108*		*80 - 128*		*09/17/20 18:48*	*5*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/17/20 18:48*	*5*

Client Sample ID: MW-17
Date Collected: 09/10/20 13:23
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			09/17/20 19:15	1
Ethylbenzene	ND		1.0		ug/L			09/17/20 19:15	1
o-Xylene	ND		1.0		ug/L			09/17/20 19:15	1
m,p-Xylene	ND		2.0		ug/L			09/17/20 19:15	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			09/17/20 19:15	1
Toluene	ND		1.0		ug/L			09/17/20 19:15	1
Xylenes, Total	ND		3.0		ug/L			09/17/20 19:15	1
1,2-Dibromoethane	ND		1.0		ug/L			09/17/20 19:15	1
1,2-Dichloroethane	ND		0.50		ug/L			09/17/20 19:15	1
Naphthalene	ND		10		ug/L			09/17/20 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 129*		*09/17/20 19:15*	*1*
4-Bromofluorobenzene (Surr)	*106*		*77 - 120*		*09/17/20 19:15*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 128*		*09/17/20 19:15*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/17/20 19:15*	*1*

Client Sample ID: MW-19
Date Collected: 09/10/20 12:40
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.5**		0.50		ug/L			09/17/20 19:42	1
Ethylbenzene	ND		1.0		ug/L			09/17/20 19:42	1
o-Xylene	ND		1.0		ug/L			09/17/20 19:42	1
m,p-Xylene	ND		2.0		ug/L			09/17/20 19:42	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			09/17/20 19:42	1
Toluene	ND		1.0		ug/L			09/17/20 19:42	1
Xylenes, Total	ND		3.0		ug/L			09/17/20 19:42	1
1,2-Dibromoethane	ND		1.0		ug/L			09/17/20 19:42	1

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

Client Sample ID: MW-19
Date Collected: 09/10/20 12:40
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.50		ug/L			09/17/20 19:42	1
Naphthalene	ND		10		ug/L			09/17/20 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 129*		*09/17/20 19:42*	*1*
4-Bromofluorobenzene (Surr)	*108*		*77 - 120*		*09/17/20 19:42*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 128*		*09/17/20 19:42*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/17/20 19:42*	*1*

Client Sample ID: DUP-1
Date Collected: 09/10/20 12:00
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.5**		0.50		ug/L			09/17/20 20:09	1
Ethylbenzene	ND		1.0		ug/L			09/17/20 20:09	1
o-Xylene	ND		1.0		ug/L			09/17/20 20:09	1
m,p-Xylene	ND		2.0		ug/L			09/17/20 20:09	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			09/17/20 20:09	1
Toluene	ND		1.0		ug/L			09/17/20 20:09	1
Xylenes, Total	ND		3.0		ug/L			09/17/20 20:09	1
1,2-Dibromoethane	ND		1.0		ug/L			09/17/20 20:09	1
1,2-Dichloroethane	ND		0.50		ug/L			09/17/20 20:09	1
Naphthalene	ND		10		ug/L			09/17/20 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 129*		*09/17/20 20:09*	*1*
4-Bromofluorobenzene (Surr)	*107*		*77 - 120*		*09/17/20 20:09*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 128*		*09/17/20 20:09*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/17/20 20:09*	*1*

Client Sample ID: TB01
Date Collected: 09/10/20 12:00
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-5
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			09/17/20 23:16	1
Ethylbenzene	ND		1.0		ug/L			09/17/20 23:16	1
o-Xylene	ND		1.0		ug/L			09/17/20 23:16	1
m,p-Xylene	ND		2.0		ug/L			09/17/20 23:16	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			09/17/20 23:16	1
Toluene	ND		1.0		ug/L			09/17/20 23:16	1
Xylenes, Total	ND		3.0		ug/L			09/17/20 23:16	1
1,2-Dibromoethane	ND		1.0		ug/L			09/17/20 23:16	1
1,2-Dichloroethane	ND		0.50		ug/L			09/17/20 23:16	1
Naphthalene	ND		10		ug/L			09/17/20 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 129*		*09/17/20 23:16*	*1*
4-Bromofluorobenzene (Surr)	*108*		*77 - 120*		*09/17/20 23:16*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 128*		*09/17/20 23:16*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/17/20 23:16*	*1*

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

Client Sample ID: MW-15
Date Collected: 09/10/20 12:03
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	2500	Z	100		ug/L			09/16/20 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*38 - 134*		*09/16/20 00:25*	*1*

Client Sample ID: MW-17
Date Collected: 09/10/20 13:23
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			09/16/20 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*38 - 134*		*09/16/20 00:50*	*1*

Client Sample ID: MW-19
Date Collected: 09/10/20 12:40
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			09/17/20 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*38 - 134*		*09/17/20 21:21*	*1*

Client Sample ID: DUP-1
Date Collected: 09/10/20 12:00
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			09/16/20 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*		*38 - 134*		*09/16/20 02:32*	*1*

Client Sample ID: TB01
Date Collected: 09/10/20 12:00
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-5
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			09/15/20 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*		*38 - 134*		*09/15/20 21:52*	*1*

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

Client Sample ID: MW-15
Date Collected: 09/10/20 12:03
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	**1800**	**Z**	95		ug/L		09/17/20 09:06	09/19/20 09:30	1
TPH as Motor Oil Range	ND		95		ug/L		09/17/20 09:06	09/19/20 09:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*119*		*68 - 140*	*09/17/20 09:06*	*09/19/20 09:30*	*1*

Client Sample ID: MW-17
Date Collected: 09/10/20 13:23
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	**250**	**Z**	98		ug/L		09/17/20 09:06	09/19/20 18:35	1
TPH as Motor Oil Range	ND		98		ug/L		09/17/20 09:06	09/19/20 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*130*		*68 - 140*	*09/17/20 09:06*	*09/19/20 18:35*	*1*

Client Sample ID: MW-19
Date Collected: 09/10/20 12:40
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	**400**	**Z**	98		ug/L		09/17/20 09:06	09/19/20 18:58	1
TPH as Motor Oil Range	ND		98		ug/L		09/17/20 09:06	09/19/20 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*131*		*68 - 140*	*09/17/20 09:06*	*09/19/20 18:58*	*1*

Client Sample ID: DUP-1
Date Collected: 09/10/20 12:00
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	**460**	**Z**	99		ug/L		09/17/20 09:06	09/19/20 19:20	1
TPH as Motor Oil Range	ND		99		ug/L		09/17/20 09:06	09/19/20 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*120*		*68 - 140*	*09/17/20 09:06*	*09/19/20 19:20*	*1*

Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-38415-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-129)	(77-120)	(80-128)	(80-120)
570-38024-A-7 MS	Matrix Spike	109	114	108	102
570-38024-A-7 MSD	Matrix Spike Duplicate	107	114	109	102
570-38351-A-1 MS	Matrix Spike	110	114	108	103
570-38351-A-1 MSD	Matrix Spike Duplicate	111	115	111	101
570-38415-1	MW-15	115	107	108	104
570-38415-2	MW-17	117	106	108	105
570-38415-3	MW-19	115	108	105	105
570-38415-4	DUP-1	117	107	107	104
570-38415-5	TB01	113	108	108	104
LCS 570-95170/3	Lab Control Sample	108	114	109	103
LCS 570-95300/3	Lab Control Sample	110	113	111	101
LCSD 570-95170/4	Lab Control Sample Dup	107	113	107	102
LCSD 570-95300/4	Lab Control Sample Dup	108	115	109	102
MB 570-95170/6	Method Blank	113	109	105	104
MB 570-95300/6	Method Blank	114	108	108	104

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	(38-134)
570-38415-1	MW-15	88
570-38415-2	MW-17	72
570-38415-2 MS	MW-17	74
570-38415-2 MSD	MW-17	86
570-38415-3	MW-19	92
570-38415-4	DUP-1	68
570-38415-5	TB01	65
570-38506-A-1 MS	Matrix Spike	98
570-38506-A-1 MSD	Matrix Spike Duplicate	98
LCS 570-94678/3	Lab Control Sample	88
LCS 570-95290/12	Lab Control Sample	100
LCSD 570-94678/4	Lab Control Sample Dup	92
LCSD 570-95290/13	Lab Control Sample Dup	100
MB 570-94678/5	Method Blank	54
MB 570-95290/14	Method Blank	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: GHD Services Inc. Job ID: 570-38415-1
Project/Site: P66 Yakima / 11145929

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	OTCSN (68-140)								
570-38415-1	MW-15	119								
570-38415-2	MW-17	130								
570-38415-3	MW-19	131								
570-38415-4	DUP-1	120								
LCS 570-95178/2-A	Lab Control Sample	108								
LCSD 570-95178/3-A	Lab Control Sample Dup	101								
MB 570-95178/1-A	Method Blank	90								

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-95170/6
Matrix: Water
Analysis Batch: 95170

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			09/17/20 11:11	1
Ethylbenzene	ND		1.0		ug/L			09/17/20 11:11	1
o-Xylene	ND		1.0		ug/L			09/17/20 11:11	1
m,p-Xylene	ND		2.0		ug/L			09/17/20 11:11	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			09/17/20 11:11	1
Toluene	ND		1.0		ug/L			09/17/20 11:11	1
Xylenes, Total	ND		3.0		ug/L			09/17/20 11:11	1
1,2-Dibromoethane	ND		1.0		ug/L			09/17/20 11:11	1
1,2-Dichloroethane	ND		0.50		ug/L			09/17/20 11:11	1
Naphthalene	ND		10		ug/L			09/17/20 11:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 129*		*09/17/20 11:11*	*1*
4-Bromofluorobenzene (Surr)	*109*		*77 - 120*		*09/17/20 11:11*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 128*		*09/17/20 11:11*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/17/20 11:11*	*1*

Lab Sample ID: LCS 570-95170/3
Matrix: Water
Analysis Batch: 95170

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	53.17		ug/L		106	78 - 120		
Ethylbenzene			50.0	52.24		ug/L		104	80 - 120		
o-Xylene			50.0	52.10		ug/L		104	80 - 125		
m,p-Xylene			100	102.8		ug/L		103	80 - 125		
Methyl-t-Butyl Ether (MTBE)			50.0	47.40		ug/L		95	77 - 120		
Toluene			50.0	53.59		ug/L		107	80 - 122		
1,2-Dibromoethane			50.0	50.96		ug/L		102	80 - 120		
1,2-Dichloroethane			50.0	52.62		ug/L		105	75 - 123		
Naphthalene			50.0	49.49		ug/L		99	64 - 136		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 129*
4-Bromofluorobenzene (Surr)	*114*		*77 - 120*
Dibromofluoromethane (Surr)	*109*		*80 - 128*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 570-95170/4
Matrix: Water
Analysis Batch: 95170

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			50.0	52.75		ug/L		105	78 - 120	1	21
Ethylbenzene			50.0	51.98		ug/L		104	80 - 120	0	20
o-Xylene			50.0	52.67		ug/L		105	80 - 125	1	20
m,p-Xylene			100	103.7		ug/L		104	80 - 125	1	30
Methyl-t-Butyl Ether (MTBE)			50.0	47.34		ug/L		95	77 - 120	0	24

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

Lab Sample ID: LCSD 570-95170/4
Matrix: Water
Analysis Batch: 95170

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			50.0	53.35		ug/L		107	80 - 122	0	20
1,2-Dibromoethane			50.0	51.68		ug/L		103	80 - 120	1	30
1,2-Dichloroethane			50.0	51.44		ug/L		103	75 - 123	2	24
Naphthalene			50.0	53.93		ug/L		108	64 - 136	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 129*
4-Bromofluorobenzene (Surr)	*113*		*77 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 128*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 570-38351-A-1 MS
Matrix: Water
Analysis Batch: 95170

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		50.0	53.27		ug/L		107	75 - 125
Ethylbenzene	ND		50.0	52.01		ug/L		104	75 - 125
o-Xylene	ND		50.0	52.51		ug/L		105	75 - 136
m,p-Xylene	ND		100	103.3		ug/L		103	75 - 133
Methyl-t-Butyl Ether (MTBE)	ND		50.0	49.11		ug/L		98	75 - 128
Toluene	ND		50.0	54.26		ug/L		109	75 - 125
1,2-Dibromoethane	ND		50.0	53.35		ug/L		107	75 - 125
1,2-Dichloroethane	ND		50.0	54.27		ug/L		109	75 - 125
Naphthalene	ND		50.0	49.81		ug/L		100	71 - 131

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 129*
4-Bromofluorobenzene (Surr)	*114*		*77 - 120*
Dibromofluoromethane (Surr)	*108*		*80 - 128*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 570-38351-A-1 MSD
Matrix: Water
Analysis Batch: 95170

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	52.06		ug/L		104	75 - 125	2	20
Ethylbenzene	ND		50.0	51.00		ug/L		102	75 - 125	2	20
o-Xylene	ND		50.0	51.26		ug/L		103	75 - 136	2	20
m,p-Xylene	ND		100	100.4		ug/L		100	75 - 133	3	20
Methyl-t-Butyl Ether (MTBE)	ND		50.0	49.38		ug/L		99	75 - 128	1	20
Toluene	ND		50.0	52.57		ug/L		105	75 - 125	3	20
1,2-Dibromoethane	ND		50.0	53.12		ug/L		106	75 - 125	0	20
1,2-Dichloroethane	ND		50.0	53.48		ug/L		107	75 - 125	1	20
Naphthalene	ND		50.0	52.68		ug/L		105	71 - 131	6	20

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

Lab Sample ID: 570-38351-A-1 MSD
Matrix: Water
Analysis Batch: 95170

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 129*
4-Bromofluorobenzene (Surr)	*115*		*77 - 120*
Dibromofluoromethane (Surr)	*111*		*80 - 128*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 570-95300/6
Matrix: Water
Analysis Batch: 95300

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			09/17/20 22:49	1
Ethylbenzene	ND		1.0		ug/L			09/17/20 22:49	1
o-Xylene	ND		1.0		ug/L			09/17/20 22:49	1
m,p-Xylene	ND		2.0		ug/L			09/17/20 22:49	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			09/17/20 22:49	1
Toluene	ND		1.0		ug/L			09/17/20 22:49	1
Xylenes, Total	ND		3.0		ug/L			09/17/20 22:49	1
1,2-Dibromoethane	ND		1.0		ug/L			09/17/20 22:49	1
1,2-Dichloroethane	ND		0.50		ug/L			09/17/20 22:49	1
Naphthalene	ND		10		ug/L			09/17/20 22:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 129*		*09/17/20 22:49*	*1*
4-Bromofluorobenzene (Surr)	*108*		*77 - 120*		*09/17/20 22:49*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 128*		*09/17/20 22:49*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/17/20 22:49*	*1*

Lab Sample ID: LCS 570-95300/3
Matrix: Water
Analysis Batch: 95300

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	51.46		ug/L		103	78 - 120		
Ethylbenzene			50.0	49.39		ug/L		99	80 - 120		
o-Xylene			50.0	50.08		ug/L		100	80 - 125		
m,p-Xylene			100	98.01		ug/L		98	80 - 125		
Methyl-t-Butyl Ether (MTBE)			50.0	49.82		ug/L		100	77 - 120		
Toluene			50.0	51.70		ug/L		103	80 - 122		
1,2-Dibromoethane			50.0	52.40		ug/L		105	80 - 120		
1,2-Dichloroethane			50.0	52.33		ug/L		105	75 - 123		
Naphthalene			50.0	52.10		ug/L		104	64 - 136		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 129*
4-Bromofluorobenzene (Surr)	*113*		*77 - 120*
Dibromofluoromethane (Surr)	*111*		*80 - 128*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: LCSD 570-95300/4
Matrix: Water
Analysis Batch: 95300

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			50.0	52.65		ug/L		105	78 - 120	2	21
Ethylbenzene			50.0	50.27		ug/L		101	80 - 120	2	20
o-Xylene			50.0	51.03		ug/L		102	80 - 125	2	20
m,p-Xylene			100	98.88		ug/L		99	80 - 125	1	30
Methyl-t-Butyl Ether (MTBE)			50.0	48.78		ug/L		98	77 - 120	2	24
Toluene			50.0	52.67		ug/L		105	80 - 122	2	20
1,2-Dibromoethane			50.0	53.48		ug/L		107	80 - 120	2	30
1,2-Dichloroethane			50.0	53.69		ug/L		107	75 - 123	3	24
Naphthalene			50.0	53.38		ug/L		107	64 - 136	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 129*
4-Bromofluorobenzene (Surr)	*115*		*77 - 120*
Dibromofluoromethane (Surr)	*109*		*80 - 128*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 570-38024-A-7 MS
Matrix: Water
Analysis Batch: 95300

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	4.5		50.0	57.32		ug/L		106	75 - 125		
Ethylbenzene	ND		50.0	50.73		ug/L		101	75 - 125		
o-Xylene	ND		50.0	50.75		ug/L		102	75 - 136		
m,p-Xylene	ND		100	99.03		ug/L		99	75 - 133		
Methyl-t-Butyl Ether (MTBE)	ND		50.0	49.29		ug/L		99	75 - 128		
Toluene	ND		50.0	53.88		ug/L		107	75 - 125		
1,2-Dibromoethane	ND		50.0	52.33		ug/L		105	75 - 125		
1,2-Dichloroethane	ND		50.0	54.92		ug/L		110	75 - 125		
Naphthalene	ND		50.0	56.37		ug/L		113	71 - 131		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 129*
4-Bromofluorobenzene (Surr)	*114*		*77 - 120*
Dibromofluoromethane (Surr)	*108*		*80 - 128*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 570-38024-A-7 MSD
Matrix: Water
Analysis Batch: 95300

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	4.5		50.0	56.59		ug/L		104	75 - 125	1	20
Ethylbenzene	ND		50.0	50.25		ug/L		100	75 - 125	1	20
o-Xylene	ND		50.0	50.60		ug/L		101	75 - 136	0	20
m,p-Xylene	ND		100	98.11		ug/L		98	75 - 133	1	20
Methyl-t-Butyl Ether (MTBE)	ND		50.0	49.30		ug/L		99	75 - 128	0	20
Toluene	ND		50.0	52.78		ug/L		105	75 - 125	2	20

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

Lab Sample ID: 570-38024-A-7 MSD
Matrix: Water
Analysis Batch: 95300

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	ND		50.0	53.09		ug/L		106	75 - 125	1	20
1,2-Dichloroethane	ND		50.0	54.37		ug/L		109	75 - 125	1	20
Naphthalene	ND		50.0	58.69		ug/L		117	71 - 131	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 129*
4-Bromofluorobenzene (Surr)	*114*		*77 - 120*
Dibromofluoromethane (Surr)	*109*		*80 - 128*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: MB 570-94678/5
Matrix: Water
Analysis Batch: 94678

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			09/15/20 16:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*54*		*38 - 134*		*09/15/20 16:02*	*1*

Lab Sample ID: LCS 570-94678/3
Matrix: Water
Analysis Batch: 94678

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)			2020	2351		ug/L		117	78 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*38 - 134*

Lab Sample ID: LCSD 570-94678/4
Matrix: Water
Analysis Batch: 94678

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)			2020	2385		ug/L		118	78 - 120	1	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*38 - 134*

Lab Sample ID: 570-38415-2 MS
Matrix: Water
Analysis Batch: 94678

Client Sample ID: MW-17
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		2020	2352		ug/L		115	68 - 122		

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	74		38 - 134

Lab Sample ID: 570-38415-2 MSD
Matrix: Water
Analysis Batch: 94678

Client Sample ID: MW-17
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		2020	2297		ug/L		112	68 - 122	2	18

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		38 - 134

Lab Sample ID: MB 570-95290/14
Matrix: Water
Analysis Batch: 95290

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			09/17/20 15:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		38 - 134		09/17/20 15:28	1

Lab Sample ID: LCS 570-95290/12
Matrix: Water
Analysis Batch: 95290

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)			2020	2025		ug/L		100	78 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		38 - 134

Lab Sample ID: LCSD 570-95290/13
Matrix: Water
Analysis Batch: 95290

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)			2020	2142		ug/L		106	78 - 120	6	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		38 - 134

Lab Sample ID: 570-38506-A-1 MS
Matrix: Water
Analysis Batch: 95290

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
TPH as Gasoline (C4-C13)	ND		2020	2172		ug/L		108	68 - 122		

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

Lab Sample ID: 570-38506-A-1 MS
Matrix: Water
Analysis Batch: 95290

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		38 - 134

Lab Sample ID: 570-38506-A-1 MSD
Matrix: Water
Analysis Batch: 95290

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	ND		2020	2051		ug/L		102	68 - 122	6	18

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		38 - 134

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

Lab Sample ID: MB 570-95178/1-A
Matrix: Water
Analysis Batch: 95707

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95178

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		100		ug/L		09/17/20 09:06	09/19/20 08:24	1
TPH as Motor Oil Range	ND		100		ug/L		09/17/20 09:06	09/19/20 08:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	90		68 - 140	09/17/20 09:06	09/19/20 08:24	1

Lab Sample ID: LCS 570-95178/2-A
Matrix: Water
Analysis Batch: 95707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95178

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C28			800	839.3		ug/L		105	75 - 117		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	108		68 - 140

Lab Sample ID: LCSD 570-95178/3-A
Matrix: Water
Analysis Batch: 95707

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 95178

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C10-C28			800	774.6		ug/L		97	75 - 117	8	13

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	101		68 - 140

QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-38415-1

GC/MS VOA

Analysis Batch: 95170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-38415-1	MW-15	Total/NA	Water	8260B	
570-38415-2	MW-17	Total/NA	Water	8260B	
570-38415-3	MW-19	Total/NA	Water	8260B	
570-38415-4	DUP-1	Total/NA	Water	8260B	
MB 570-95170/6	Method Blank	Total/NA	Water	8260B	
LCS 570-95170/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-95170/4	Lab Control Sample Dup	Total/NA	Water	8260B	
570-38351-A-1 MS	Matrix Spike	Total/NA	Water	8260B	
570-38351-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 95300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-38415-5	TB01	Total/NA	Water	8260B	
MB 570-95300/6	Method Blank	Total/NA	Water	8260B	
LCS 570-95300/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-95300/4	Lab Control Sample Dup	Total/NA	Water	8260B	
570-38024-A-7 MS	Matrix Spike	Total/NA	Water	8260B	
570-38024-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 94678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-38415-1	MW-15	Total/NA	Water	NWTPH-Gx	
570-38415-2	MW-17	Total/NA	Water	NWTPH-Gx	
570-38415-4	DUP-1	Total/NA	Water	NWTPH-Gx	
570-38415-5	TB01	Total/NA	Water	NWTPH-Gx	
MB 570-94678/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-94678/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-94678/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
570-38415-2 MS	MW-17	Total/NA	Water	NWTPH-Gx	
570-38415-2 MSD	MW-17	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 95290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-38415-3	MW-19	Total/NA	Water	NWTPH-Gx	
MB 570-95290/14	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-95290/12	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-95290/13	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
570-38506-A-1 MS	Matrix Spike	Total/NA	Water	NWTPH-Gx	
570-38506-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 95178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-38415-1	MW-15	Total/NA	Water	3510C	
570-38415-2	MW-17	Total/NA	Water	3510C	
570-38415-3	MW-19	Total/NA	Water	3510C	
570-38415-4	DUP-1	Total/NA	Water	3510C	
MB 570-95178/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-95178/2-A	Lab Control Sample	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 95178 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-95178/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 95707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-38415-1	MW-15	Total/NA	Water	NWTPH-Dx	95178
MB 570-95178/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	95178
LCS 570-95178/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	95178
LCSD 570-95178/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	95178

Analysis Batch: 95851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-38415-2	MW-17	Total/NA	Water	NWTPH-Dx	95178
570-38415-3	MW-19	Total/NA	Water	NWTPH-Dx	95178
570-38415-4	DUP-1	Total/NA	Water	NWTPH-Dx	95178

Lab Chronicle

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-38415-1

Client Sample ID: MW-15
Date Collected: 09/10/20 12:03
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-1
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	8260B		5	5 mL	5 mL	95170	09/17/20 18:48	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	94678	09/16/20 00:25	W6MG	ECL 2
	Instrument ID: GC42									
Total/NA	Prep	3510C			523.9 mL	5 mL	95178	09/17/20 09:06	UFLU	ECL 1
Total/NA	Analysis	NWTPH-Dx		1			95707	09/19/20 09:30	UJ3K	ECL 1
	Instrument ID: GC46									

Client Sample ID: MW-17
Date Collected: 09/10/20 13:23
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-2
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	8260B		1	5 mL	5 mL	95170	09/17/20 19:15	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	94678	09/16/20 00:50	W6MG	ECL 2
	Instrument ID: GC42									
Total/NA	Prep	3510C			508.8 mL	5 mL	95178	09/17/20 09:06	UFLU	ECL 1
Total/NA	Analysis	NWTPH-Dx		1			95851	09/19/20 18:35	UJ3K	ECL 1
	Instrument ID: GC46									

Client Sample ID: MW-19
Date Collected: 09/10/20 12:40
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-3
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	8260B		1	5 mL	5 mL	95170	09/17/20 19:42	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	95290	09/17/20 21:21	HKC	ECL 2
	Instrument ID: GC53									
Total/NA	Prep	3510C			510.3 mL	5 mL	95178	09/17/20 09:06	UFLU	ECL 1
Total/NA	Analysis	NWTPH-Dx		1			95851	09/19/20 18:58	UJ3K	ECL 1
	Instrument ID: GC46									

Client Sample ID: DUP-1
Date Collected: 09/10/20 12:00
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-4
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	8260B		1	5 mL	5 mL	95170	09/17/20 20:09	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	94678	09/16/20 02:32	W6MG	ECL 2
	Instrument ID: GC42									
Total/NA	Prep	3510C			507.6 mL	5 mL	95178	09/17/20 09:06	UFLU	ECL 1
Total/NA	Analysis	NWTPH-Dx		1			95851	09/19/20 19:20	UJ3K	ECL 1
	Instrument ID: GC46									

Lab Chronicle

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-38415-1

Client Sample ID: TB01
Date Collected: 09/10/20 12:00
Date Received: 09/15/20 10:10

Lab Sample ID: 570-38415-5
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	8260B		1	5 mL	5 mL	95300	09/17/20 23:16	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	94678	09/15/20 21:52	W6MG	ECL 2
	Instrument ID: GC42									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-38415-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-20

Method Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-38415-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	ECL 2
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2

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:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-38415-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-38415-1	MW-15	Water	09/10/20 12:03	09/15/20 10:10	
570-38415-2	MW-17	Water	09/10/20 13:23	09/15/20 10:10	
570-38415-3	MW-19	Water	09/10/20 12:40	09/15/20 10:10	
570-38415-4	DUP-1	Water	09/10/20 12:00	09/15/20 10:10	
570-38415-5	TB01	Water	09/10/20 12:00	09/15/20 10:10	

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570-38415 Chain of Custody

CHAIN OF CUSTODY RECORD

DATE: 9/10/20

PAGE: 1 OF 1

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

LABORATORY CLIENT: GHD

ADDRESS: 920 N 6th Ave

CITY: Yakima STATE: WA ZIP:

TEL: (253) 302-8281 E-MAIL:

CLIENT PROJECT NAME / NUMBER: 11145929

PROJECT CONTACT: Matt Davis

P.O. NO.:

SAMPLER(S): (PRINT) Foster Kaetzel

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH - D	BTEX / MTBE ☒ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035): ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs: ☐ 8270 ☐ 8270 SIM	T22 Metals: ☐ 6010/747X ☐ 6020/747X	Cr(VI): ☐ 7196 ☐ 7199 ☐ 218.6	Naphthalene				
1	MW-15	9/10/20	1203	GW	8	2	6		X	X		X	X										X			
2	MW-17	9/10/20	1323	GW	8	2	8		X	X		X	X										X			
3	MW-19	9/10/20	1240	GW	8	2	6		X	X		X	X										X			
4	DUP-1	9/10/20	1200	GW	8	2	6		X	X		X	X										X			
5	TB01	9/10/20	1200	GW	3		3		X				X										X			

Relinquished by: (Signature) Received by: (Signature/Affiliation) Shipped via Fed Ex Date: 9/11/20 Time: 1515

Relinquished by: (Signature) Received by: (Signature/Affiliation) Date: 9/15/2020 Time: 10:10

Relinquished by: (Signature) Received by: (Signature/Affiliation) Date: Time:

2-6/2-2 SCS

06/02/14 Revision

9/22/2020

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-38415-1

Login Number: 38415
List Number: 1
Creator: Patel, Jayesh

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	

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ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-43448-1
Client Project/Site: P66 Yakima 11210594/ 11145929

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

Attn: Heather Gadwa

Vik Patel

Authorized for release by:
11/18/2020 12:39:12 PM

Vikas Patel, Project Manager I
(714)895-5494
vikas.patel@eurofinset.com

Table of Contents

Definitions/Glossary

Client: GHD Services Inc.
Job ID: 570-43448-1
Project/Site: P66 Yakima 11210594/ 11145929

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 Yakima 11210594/ 11145929

Job ID: 570-43448-1

Job ID: 570-43448-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-43448-1

Comments
No additional comments.

Receipt
The samples were received on 11/11/2020 9:45 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.8º C.

HPLC/IC
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 Yakima 11210594/ 11145929

Job ID: 570-43448-1

Client Sample ID: GW-11210594-111020-DT-MW19 — Lab Sample ID: 570-43448-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	2600		100		ug/L	1		300.0	Total/NA
Sulfate	14000		1000		ug/L	1		300.0	Total/NA

Client Sample ID: GW-11210594-111020-DT-MW15 — Lab Sample ID: 570-43448-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Sulfate	1100		1000		ug/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Yakima 11210594/ 11145929

Job ID: 570-43448-1

Method: 300.0 - Anions, Ion Chromatography

Client Sample ID: GW-11210594-111020-DT-MW19
Date Collected: 11/10/20 08:00
Date Received: 11/11/20 09:45

Lab Sample ID: 570-43448-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**2600**		100		ug/L			11/11/20 14:57	1
Sulfate	**14000**		1000		ug/L			11/11/20 14:57	1

Client Sample ID: GW-11210594-111020-DT-MW15
Date Collected: 11/10/20 08:30
Date Received: 11/11/20 09:45

Lab Sample ID: 570-43448-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		100		ug/L			11/11/20 15:18	1
Sulfate	**1100**		1000		ug/L			11/11/20 15:18	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 570-108648/5
Matrix: Water
Analysis Batch: 108648

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		100		ug/L			11/11/20 08:49	1

Lab Sample ID: LCS 570-108648/6
Matrix: Water
Analysis Batch: 108648

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate as N			5000	5282		ug/L		106	90 - 110		

Lab Sample ID: LCSD 570-108648/7
Matrix: Water
Analysis Batch: 108648

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
Nitrate as N			5000	5300		ug/L		106	90 - 110	0	15

Lab Sample ID: 570-43413-F-2 MS
Matrix: Water
Analysis Batch: 108648

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate as N	ND		5000	5461		ug/L		109	80 - 120		

Lab Sample ID: 570-43413-F-2 MSD
Matrix: Water
Analysis Batch: 108648

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	ND		5000	5584		ug/L		112	80 - 120	2	20

Lab Sample ID: MB 570-108649/5
Matrix: Water
Analysis Batch: 108649

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1000		ug/L			11/11/20 08:49	1

Lab Sample ID: LCS 570-108649/6
Matrix: Water
Analysis Batch: 108649

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate			50000	49180		ug/L		98	90 - 110		

Lab Sample ID: LCSD 570-108649/7
Matrix: Water
Analysis Batch: 108649

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
Sulfate			50000	49350		ug/L		99	90 - 110	0	15

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Yakima 11210594/ 11145929

Job ID: 570-43448-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 570-43413-F-2 MS
Matrix: Water
Analysis Batch: 108649

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate	ND		50000	50360		ug/L		100	80 - 120		

Lab Sample ID: 570-43413-F-2 MSD
Matrix: Water
Analysis Batch: 108649

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	ND		50000	51350		ug/L		102	80 - 120	2	20

QC Association Summary

Client: GHD Services Inc.
Job ID: 570-43448-1
Project/Site: P66 Yakima 11210594/ 11145929

HPLC/IC

Analysis Batch: 108648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-43448-1	GW-11210594-111020-DT-MW19	Total/NA	Water	300.0	
570-43448-2	GW-11210594-111020-DT-MW15	Total/NA	Water	300.0	
MB 570-108648/5	Method Blank	Total/NA	Water	300.0	
LCS 570-108648/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 570-108648/7	Lab Control Sample Dup	Total/NA	Water	300.0	
570-43413-F-2 MS	Matrix Spike	Total/NA	Water	300.0	
570-43413-F-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 108649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-43448-1	GW-11210594-111020-DT-MW19	Total/NA	Water	300.0	
570-43448-2	GW-11210594-111020-DT-MW15	Total/NA	Water	300.0	
MB 570-108649/5	Method Blank	Total/NA	Water	300.0	
LCS 570-108649/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 570-108649/7	Lab Control Sample Dup	Total/NA	Water	300.0	
570-43413-F-2 MS	Matrix Spike	Total/NA	Water	300.0	
570-43413-F-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Lab Chronicle

Client: GHD Services Inc.
Project/Site: P66 Yakima 11210594/ 11145929

Job ID: 570-43448-1

Client Sample ID: GW-11210594-111020-DT-MW19

Lab Sample ID: 570-43448-1

Date Collected: 11/10/20 08:00
Matrix: Water
Date Received: 11/11/20 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	300.0		1			108648	11/11/20 14:57	URMH	ECL 1
	Instrument ID: IC15									
Total/NA	Analysis	300.0		1			108649	11/11/20 14:57	URMH	ECL 1
	Instrument ID: IC15									

Client Sample ID: GW-11210594-111020-DT-MW15

Lab Sample ID: 570-43448-2

Date Collected: 11/10/20 08:30
Matrix: Water
Date Received: 11/11/20 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	300.0		1			108648	11/11/20 15:18	URMH	ECL 1
	Instrument ID: IC15									
Total/NA	Analysis	300.0		1			108649	11/11/20 15:18	URMH	ECL 1
	Instrument ID: IC15									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc.
Job ID: 570-43448-1
Project/Site: P66 Yakima 11210594/ 11145929

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-30-21
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

Method Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima 11210594/ 11145929

Job ID: 570-43448-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	ECL 1

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima 11210594/ 11145929

Job ID: 570-43448-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-43448-1	GW-11210594-111020-DT-MW19	Water	11/10/20 08:00	11/11/20 09:45	
570-43448-2	GW-11210594-111020-DT-MW15	Water	11/10/20 08:30	11/11/20 09:45	

43448

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570-43448 Chain of Custody

CHAIN OF CUSTODY RECORD

DATE: 11·10·2020

PAGE: 1 OF 1

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

LABORATORY CLIENT: GHD

ADDRESS:

CITY: STATE: WA ZIP:

TEL: 425 563 6500 E-MAIL:

CLIENT PROJECT NAME / NUMBER: P66 Yakima 11210594 / 11145929

PROJECT CONTACT: M. Davis / A. Clouss

P.O. NO.:

SAMPLER(S): (PRINT) D. Tudor

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS: Lab PN 57003369

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035): ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs: ☐ 8270 ☐ 8270 SIM	T22 Metals: ☐ 6010/747X ☐ 6020/747X	Cr(VI): ☐ 7196 ☐ 7199 ☐ 218.6	Sulfate	Nitrate		
1	GW·11210594·111020·DT·MW19	11/10/20	0800	GW	1																		X	X		
2	GW·11210594·111020·DT·~~MW16~~ MW15	11/10/20	0830	GW	1																		X	X		

Relinquished by: (Signature) D. Tudor	Received by: (Signature/Affiliation)	Date: 11	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 11/11/2020	Time: 0945
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

5-6/4-8 SG

06/02/14 Revision

11/18/2020

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-43448-1

Login Number: 43448
List Number: 1
Creator: Liao, Gineyau

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	

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ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-45124-1
Client Project/Site: P66 Yakima / 11145929

For:
GHD Services Inc.
3600 Port of Tacoma Road
Tacoma, Washington 98424

Attn: Matt Davis

Vik Patel

Authorized for release by:
12/9/2020 11:28:42 AM

Vikas Patel, Project Manager I
(714)895-5494
vikas.patel@eurofinset.com

Table of Contents

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

Job ID: 570-45124-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-45124-1

Comments
No additional comments.

Receipt
The samples were received on 12/2/2020 1:00 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9º C.

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

HPLC/IC
No analytical or quality issues were noted, other than those described 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 Yakima / 11145929

Job ID: 570-45124-1

Client Sample ID: MW-15 — Lab Sample ID: 570-45124-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	51		0.50		ug/L	1		8260B	Total/NA
TPH as Gasoline (C4-C13)	260		100		ug/L	1		NWTPH-Gx	Total/NA
TPH as Diesel Range	11000		970		ug/L	10		NWTPH-Dx	Total/NA
TPH as Motor Oil Range	110		97		ug/L	1		NWTPH-Dx	Total/NA
Sulfate	39000		1000		ug/L	1		300.0	Total/NA

Client Sample ID: MW-17 — Lab Sample ID: 570-45124-2

No Detections.

Client Sample ID: MW-19 — Lab Sample ID: 570-45124-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	0.68		0.50		ug/L	1		8260B	Total/NA
TPH as Diesel Range	150		93		ug/L	1		NWTPH-Dx	Total/NA
Nitrate as N	1900		100		ug/L	1		300.0	Total/NA
Sulfate	20000		1000		ug/L	1		300.0	Total/NA

Client Sample ID: DUP-1 — Lab Sample ID: 570-45124-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	0.73		0.50		ug/L	1		8260B	Total/NA
TPH as Diesel Range	150		98		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: TB-1 — Lab Sample ID: 570-45124-5

No Detections.

This Detection Summary does not include radiochemical test results.

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: MW-15
Date Collected: 12/01/20 11:19
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**51**		0.50		ug/L			12/04/20 13:05	1
Ethylbenzene	ND		1.0		ug/L			12/04/20 13:05	1
o-Xylene	ND		1.0		ug/L			12/04/20 13:05	1
m,p-Xylene	ND		2.0		ug/L			12/04/20 13:05	1
Toluene	ND		1.0		ug/L			12/04/20 13:05	1
Xylenes, Total	ND		2.0		ug/L			12/04/20 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 129*		*12/04/20 13:05*	*1*
4-Bromofluorobenzene (Surr)	*99*		*77 - 120*		*12/04/20 13:05*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 128*		*12/04/20 13:05*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*12/04/20 13:05*	*1*

Client Sample ID: MW-17
Date Collected: 12/01/20 09:38
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			12/03/20 20:11	1
Ethylbenzene	ND		1.0		ug/L			12/03/20 20:11	1
o-Xylene	ND		1.0		ug/L			12/03/20 20:11	1
m,p-Xylene	ND		2.0		ug/L			12/03/20 20:11	1
Toluene	ND		1.0		ug/L			12/03/20 20:11	1
Xylenes, Total	ND		2.0		ug/L			12/03/20 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 129*		*12/03/20 20:11*	*1*
4-Bromofluorobenzene (Surr)	*98*		*77 - 120*		*12/03/20 20:11*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 128*		*12/03/20 20:11*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*12/03/20 20:11*	*1*

Client Sample ID: MW-19
Date Collected: 12/01/20 10:22
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.68**		0.50		ug/L			12/03/20 20:38	1
Ethylbenzene	ND		1.0		ug/L			12/03/20 20:38	1
o-Xylene	ND		1.0		ug/L			12/03/20 20:38	1
m,p-Xylene	ND		2.0		ug/L			12/03/20 20:38	1
Toluene	ND		1.0		ug/L			12/03/20 20:38	1
Xylenes, Total	ND		2.0		ug/L			12/03/20 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 129*		*12/03/20 20:38*	*1*
4-Bromofluorobenzene (Surr)	*98*		*77 - 120*		*12/03/20 20:38*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 128*		*12/03/20 20:38*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*12/03/20 20:38*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: DUP-1
Date Collected: 12/01/20 00:00
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.73**		0.50		ug/L			12/03/20 21:05	1
Ethylbenzene	ND		1.0		ug/L			12/03/20 21:05	1
o-Xylene	ND		1.0		ug/L			12/03/20 21:05	1
m,p-Xylene	ND		2.0		ug/L			12/03/20 21:05	1
Toluene	ND		1.0		ug/L			12/03/20 21:05	1
Xylenes, Total	ND		2.0		ug/L			12/03/20 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 129*		*12/03/20 21:05*	*1*
4-Bromofluorobenzene (Surr)	*97*		*77 - 120*		*12/03/20 21:05*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 128*		*12/03/20 21:05*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*12/03/20 21:05*	*1*

Client Sample ID: TB-1
Date Collected: 12/01/20 09:00
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-5
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			12/04/20 00:15	1
Ethylbenzene	ND		1.0		ug/L			12/04/20 00:15	1
o-Xylene	ND		1.0		ug/L			12/04/20 00:15	1
m,p-Xylene	ND		2.0		ug/L			12/04/20 00:15	1
Toluene	ND		1.0		ug/L			12/04/20 00:15	1
Xylenes, Total	ND		2.0		ug/L			12/04/20 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 129*		*12/04/20 00:15*	*1*
4-Bromofluorobenzene (Surr)	*98*		*77 - 120*		*12/04/20 00:15*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 128*		*12/04/20 00:15*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*12/04/20 00:15*	*1*

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

Client Sample ID: MW-15
Date Collected: 12/01/20 11:19
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	**260**		100		ug/L			12/04/20 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*50 - 150*		*12/04/20 18:23*	*1*

Client Sample ID: MW-17
Date Collected: 12/01/20 09:38
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			12/04/20 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*		*50 - 150*		*12/04/20 17:58*	*1*

Client Sample ID: MW-19
Date Collected: 12/01/20 10:22
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			12/04/20 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*		*50 - 150*		*12/04/20 16:44*	*1*

Client Sample ID: DUP-1
Date Collected: 12/01/20 00:00
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			12/04/20 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*		*50 - 150*		*12/04/20 18:47*	*1*

Client Sample ID: TB-1
Date Collected: 12/01/20 09:00
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-5
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100		ug/L			12/04/20 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*		*50 - 150*		*12/04/20 15:54*	*1*

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

Client Sample ID: MW-15
Date Collected: 12/01/20 11:19
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	**11000**		970		ug/L		12/07/20 13:12	12/08/20 18:16	10
TPH as Motor Oil Range	**110**		97		ug/L		12/07/20 13:12	12/08/20 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*87*		*50 - 150*	*12/07/20 13:12*	*12/08/20 01:56*	*1*
n-Octacosane (Surr)	*60*		*50 - 150*	*12/07/20 13:12*	*12/08/20 18:16*	*10*

Client Sample ID: MW-17
Date Collected: 12/01/20 09:38
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		92		ug/L		12/07/20 13:12	12/08/20 15:10	1
TPH as Motor Oil Range	ND		92		ug/L		12/07/20 13:12	12/08/20 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*82*		*50 - 150*	*12/07/20 13:12*	*12/08/20 15:10*	*1*

Client Sample ID: MW-19
Date Collected: 12/01/20 10:22
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	**150**		93		ug/L		12/07/20 13:12	12/08/20 02:37	1
TPH as Motor Oil Range	ND		93		ug/L		12/07/20 13:12	12/08/20 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*99*		*50 - 150*	*12/07/20 13:12*	*12/08/20 02:37*	*1*

Client Sample ID: DUP-1
Date Collected: 12/01/20 00:00
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	**150**		98		ug/L		12/07/20 13:12	12/08/20 02:57	1
TPH as Motor Oil Range	ND		98		ug/L		12/07/20 13:12	12/08/20 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*103*		*50 - 150*	*12/07/20 13:12*	*12/08/20 02:57*	*1*

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-45124-1

Method: 300.0 - Anions, Ion Chromatography

Client Sample ID: MW-15
Date Collected: 12/01/20 11:19
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		100		ug/L			12/02/20 21:42	1
Sulfate	**39000**		1000		ug/L			12/02/20 21:42	1

Client Sample ID: MW-19
Date Collected: 12/01/20 10:22
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**1900**		100		ug/L			12/02/20 22:01	1
Sulfate	**20000**		1000		ug/L			12/02/20 22:01	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-45124-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-129)	(77-120)	(80-128)	(80-120)
570-44978-A-4 MS	Matrix Spike	103	100	97	95
570-44978-A-4 MSD	Matrix Spike Duplicate	103	100	97	95
570-45079-A-2 MS	Matrix Spike	102	100	97	96
570-45079-A-2 MSD	Matrix Spike Duplicate	104	100	97	95
570-45124-1	MW-15	105	99	95	95
570-45124-1 MS	MW-15	102	102	95	95
570-45124-1 MSD	MW-15	102	100	97	95
570-45124-2	MW-17	103	98	92	95
570-45124-3	MW-19	103	98	92	96
570-45124-4	DUP-1	103	97	92	95
570-45124-5	TB-1	104	98	95	95
LCS 570-113629/4	Lab Control Sample	101	101	95	95
LCS 570-113738/3	Lab Control Sample	102	100	97	95
LCS 570-113915/3	Lab Control Sample	101	100	96	96
LCSD 570-113629/5	Lab Control Sample Dup	103	101	97	96
LCSD 570-113738/4	Lab Control Sample Dup	100	101	96	95
LCSD 570-113915/4	Lab Control Sample Dup	103	101	97	96
MB 570-113629/7	Method Blank	102	97	94	95
MB 570-113738/6	Method Blank	102	98	95	94
MB 570-113915/6	Method Blank	103	99	95	95

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)
570-45124-1	MW-15	77
570-45124-2	MW-17	67
570-45124-3	MW-19	67
570-45124-3 MS	MW-19	100
570-45124-3 MSD	MW-19	100
570-45124-4	DUP-1	67
570-45124-5	TB-1	69
LCS 570-113979/3	Lab Control Sample	97
LCSD 570-113979/4	Lab Control Sample Dup	97
MB 570-113979/5	Method Blank	71

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: GHD Services Inc.
Job ID: 570-45124-1
Project/Site: P66 Yakima / 11145929

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	OTCSN (50-150)						
570-45124-1	MW-15	87						
570-45124-1	MW-15	60						
570-45124-2	MW-17	82						
570-45124-3	MW-19	99						
570-45124-4	DUP-1	103						
LCS 570-114466/2-A	Lab Control Sample	105						
LCSD 570-114466/3-A	Lab Control Sample Dup	108						
MB 570-114466/1-A	Method Blank	90						

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-113629/7
Matrix: Water
Analysis Batch: 113629

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			12/03/20 12:57	1
Ethylbenzene	ND		1.0		ug/L			12/03/20 12:57	1
o-Xylene	ND		1.0		ug/L			12/03/20 12:57	1
m,p-Xylene	ND		2.0		ug/L			12/03/20 12:57	1
Toluene	ND		1.0		ug/L			12/03/20 12:57	1
Xylenes, Total	ND		2.0		ug/L			12/03/20 12:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 129*		*12/03/20 12:57*	*1*
4-Bromofluorobenzene (Surr)	*97*		*77 - 120*		*12/03/20 12:57*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 128*		*12/03/20 12:57*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*12/03/20 12:57*	*1*

Lab Sample ID: LCS 570-113629/4
Matrix: Water
Analysis Batch: 113629

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	44.78		ug/L		90	78 - 120		
Ethylbenzene			50.0	53.29		ug/L		107	80 - 120		
o-Xylene			50.0	53.67		ug/L		107	80 - 125		
m,p-Xylene			100	105.8		ug/L		106	80 - 125		
Toluene			50.0	44.75		ug/L		89	80 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 129*
4-Bromofluorobenzene (Surr)	*101*		*77 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 128*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LCSD 570-113629/5
Matrix: Water
Analysis Batch: 113629

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			50.0	45.19		ug/L		90	78 - 120	1	21
Ethylbenzene			50.0	53.79		ug/L		108	80 - 120	1	20
o-Xylene			50.0	54.30		ug/L		109	80 - 125	1	20
m,p-Xylene			100	107.4		ug/L		107	80 - 125	1	30
Toluene			50.0	45.25		ug/L		90	80 - 122	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 129*
4-Bromofluorobenzene (Surr)	*101*		*77 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 128*
Toluene-d8 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: 570-44978-A-4 MS
Matrix: Water
Analysis Batch: 113629

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		50.0	45.92		ug/L		92	75 - 125
Ethylbenzene	ND		50.0	54.64		ug/L		109	75 - 125
o-Xylene	ND		50.0	55.15		ug/L		110	75 - 136
m,p-Xylene	ND		100	109.7		ug/L		110	75 - 133
Toluene	ND		50.0	45.80		ug/L		92	75 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 129*
4-Bromofluorobenzene (Surr)	*100*		*77 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 128*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 570-44978-A-4 MSD
Matrix: Water
Analysis Batch: 113629

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	45.08		ug/L		90	75 - 125	2	20
Ethylbenzene	ND		50.0	53.18		ug/L		106	75 - 125	3	20
o-Xylene	ND		50.0	54.07		ug/L		108	75 - 136	2	20
m,p-Xylene	ND		100	106.5		ug/L		106	75 - 133	3	20
Toluene	ND		50.0	44.88		ug/L		90	75 - 125	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 129*
4-Bromofluorobenzene (Surr)	*100*		*77 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 128*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: MB 570-113738/6
Matrix: Water
Analysis Batch: 113738

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			12/03/20 23:47	1
Ethylbenzene	ND		1.0		ug/L			12/03/20 23:47	1
o-Xylene	ND		1.0		ug/L			12/03/20 23:47	1
m,p-Xylene	ND		2.0		ug/L			12/03/20 23:47	1
Toluene	ND		1.0		ug/L			12/03/20 23:47	1
Xylenes, Total	ND		2.0		ug/L			12/03/20 23:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 129*		*12/03/20 23:47*	*1*
4-Bromofluorobenzene (Surr)	*98*		*77 - 120*		*12/03/20 23:47*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 128*		*12/03/20 23:47*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/03/20 23:47*	*1*

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

Lab Sample ID: LCS 570-113738/3
Matrix: Water
Analysis Batch: 113738

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	45.17		ug/L		90	78 - 120		
Ethylbenzene			50.0	52.65		ug/L		105	80 - 120		
o-Xylene			50.0	53.31		ug/L		107	80 - 125		
m,p-Xylene			100	104.3		ug/L		104	80 - 125		
Toluene			50.0	44.90		ug/L		90	80 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 129*
4-Bromofluorobenzene (Surr)	*100*		*77 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 128*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LCSD 570-113738/4
Matrix: Water
Analysis Batch: 113738

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			50.0	45.05		ug/L		90	78 - 120	0	21
Ethylbenzene			50.0	53.21		ug/L		106	80 - 120	1	20
o-Xylene			50.0	54.06		ug/L		108	80 - 125	1	20
m,p-Xylene			100	106.1		ug/L		106	80 - 125	2	30
Toluene			50.0	44.81		ug/L		90	80 - 122	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 129*
4-Bromofluorobenzene (Surr)	*101*		*77 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 128*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 570-45079-A-2 MS
Matrix: Water
Analysis Batch: 113738

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	ND		50.0	45.88		ug/L		92	75 - 125		
Ethylbenzene	ND		50.0	53.13		ug/L		106	75 - 125		
o-Xylene	ND		50.0	53.67		ug/L		107	75 - 136		
m,p-Xylene	ND		100	105.2		ug/L		105	75 - 133		
Toluene	ND		50.0	45.01		ug/L		90	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 129*
4-Bromofluorobenzene (Surr)	*100*		*77 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 128*
Toluene-d8 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: 570-45079-A-2 MSD
Matrix: Water
Analysis Batch: 113738

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	45.53		ug/L		91	75 - 125	1	20
Ethylbenzene	ND		50.0	53.14		ug/L		106	75 - 125	0	20
o-Xylene	ND		50.0	53.71		ug/L		107	75 - 136	0	20
m,p-Xylene	ND		100	104.4		ug/L		104	75 - 133	1	20
Toluene	ND		50.0	44.90		ug/L		90	75 - 125	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 129*
4-Bromofluorobenzene (Surr)	*100*		*77 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 128*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: MB 570-113915/6
Matrix: Water
Analysis Batch: 113915

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			12/04/20 12:38	1
Ethylbenzene	ND		1.0		ug/L			12/04/20 12:38	1
o-Xylene	ND		1.0		ug/L			12/04/20 12:38	1
m,p-Xylene	ND		2.0		ug/L			12/04/20 12:38	1
Toluene	ND		1.0		ug/L			12/04/20 12:38	1
Xylenes, Total	ND		2.0		ug/L			12/04/20 12:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 129*		*12/04/20 12:38*	*1*
4-Bromofluorobenzene (Surr)	*99*		*77 - 120*		*12/04/20 12:38*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 128*		*12/04/20 12:38*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*12/04/20 12:38*	*1*

Lab Sample ID: LCS 570-113915/3
Matrix: Water
Analysis Batch: 113915

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	46.66		ug/L		93	78 - 120		
Ethylbenzene			50.0	55.10		ug/L		110	80 - 120		
o-Xylene			50.0	55.42		ug/L		111	80 - 125		
m,p-Xylene			100	110.0		ug/L		110	80 - 125		
Toluene			50.0	46.81		ug/L		94	80 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 129*
4-Bromofluorobenzene (Surr)	*100*		*77 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 128*
Toluene-d8 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: LCSD 570-113915/4
Matrix: Water
Analysis Batch: 113915

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			50.0	46.27		ug/L		93	78 - 120	1	21
Ethylbenzene			50.0	54.20		ug/L		108	80 - 120	2	20
o-Xylene			50.0	54.74		ug/L		109	80 - 125	1	20
m,p-Xylene			100	108.2		ug/L		108	80 - 125	2	30
Toluene			50.0	45.70		ug/L		91	80 - 122	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 129*
4-Bromofluorobenzene (Surr)	*101*		*77 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 128*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 570-45124-1 MS
Matrix: Water
Analysis Batch: 113915

Client Sample ID: MW-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	51		50.0	91.35		ug/L		81	75 - 125
Ethylbenzene	ND		50.0	56.78		ug/L		112	75 - 125
o-Xylene	ND		50.0	56.13		ug/L		112	75 - 136
m,p-Xylene	ND		100	111.2		ug/L		111	75 - 133
Toluene	ND		50.0	46.72		ug/L		93	75 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 129*
4-Bromofluorobenzene (Surr)	*102*		*77 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 128*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 570-45124-1 MSD
Matrix: Water
Analysis Batch: 113915

Client Sample ID: MW-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	51		50.0	92.15		ug/L		82	75 - 125	1	20
Ethylbenzene	ND		50.0	54.64		ug/L		108	75 - 125	4	20
o-Xylene	ND		50.0	53.57		ug/L		107	75 - 136	5	20
m,p-Xylene	ND		100	106.4		ug/L		106	75 - 133	4	20
Toluene	ND		50.0	45.32		ug/L		91	75 - 125	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 129*
4-Bromofluorobenzene (Surr)	*100*		*77 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 128*
Toluene-d8 (Surr)	*95*		*80 - 120*

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

Lab Sample ID: MB 570-113979/5
Matrix: Water
Analysis Batch: 113979

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			12/04/20 15:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*50 - 150*		*12/04/20 15:06*	*1*

Lab Sample ID: LCS 570-113979/3
Matrix: Water
Analysis Batch: 113979

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)			2020	1879		ug/L		93	76 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*50 - 150*

Lab Sample ID: LCSD 570-113979/4
Matrix: Water
Analysis Batch: 113979

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)			2020	1957		ug/L		97	76 - 128	4	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*50 - 150*

Lab Sample ID: 570-45124-3 MS
Matrix: Water
Analysis Batch: 113979

Client Sample ID: MW-19
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		2020	2075		ug/L		103	69 - 132		

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

Lab Sample ID: 570-45124-3 MSD
Matrix: Water
Analysis Batch: 113979

Client Sample ID: MW-19
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		2020	1967		ug/L		97	69 - 132	5	15

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

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

Lab Sample ID: MB 570-114466/1-A
Matrix: Water
Analysis Batch: 114444

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114466

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		100		ug/L		12/07/20 13:12	12/08/20 00:12	1
TPH as Motor Oil Range	ND		100		ug/L		12/07/20 13:12	12/08/20 00:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*90*		*50 - 150*	*12/07/20 13:12*	*12/08/20 00:12*	*1*

Lab Sample ID: LCS 570-114466/2-A
Matrix: Water
Analysis Batch: 114444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114466

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C28			800	721.4		ug/L		90	68 - 120		

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

Lab Sample ID: LCSD 570-114466/3-A
Matrix: Water
Analysis Batch: 114444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114466

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C10-C28			800	753.4		ug/L		94	68 - 120	4	14

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*108*		*50 - 150*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 570-113378/5
Matrix: Water
Analysis Batch: 113378

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		100		ug/L			12/02/20 13:46	1

Lab Sample ID: LCS 570-113378/6
Matrix: Water
Analysis Batch: 113378

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate as N			5000	4951		ug/L		99	90 - 110		

Lab Sample ID: LCSD 570-113378/7
Matrix: Water
Analysis Batch: 113378

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
Nitrate as N			5000	4954		ug/L		99	90 - 110	0	15

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 570-45124-3 MS
Matrix: Water
Analysis Batch: 113378

Client Sample ID: MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	1900		5000	7036		ug/L		103	80 - 120

Lab Sample ID: 570-45124-3 MSD
Matrix: Water
Analysis Batch: 113378

Client Sample ID: MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	1900		5000	7119		ug/L		104	80 - 120	1	20

Lab Sample ID: MB 570-113379/5
Matrix: Water
Analysis Batch: 113379

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1000		ug/L			12/02/20 13:46	1

Lab Sample ID: LCS 570-113379/6
Matrix: Water
Analysis Batch: 113379

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate			50000	48910		ug/L		98	90 - 110

Lab Sample ID: LCSD 570-113379/7
Matrix: Water
Analysis Batch: 113379

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
Sulfate			50000	49060		ug/L		98	90 - 110	0	15

Lab Sample ID: 570-45124-3 MS
Matrix: Water
Analysis Batch: 113379

Client Sample ID: MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20000		50000	72780		ug/L		106	80 - 120

Lab Sample ID: 570-45124-3 MSD
Matrix: Water
Analysis Batch: 113379

Client Sample ID: MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	20000		50000	73880		ug/L		108	80 - 120	1	20

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-45124-1

GC/MS VOA

Analysis Batch: 113629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-45124-2	MW-17	Total/NA	Water	8260B	
570-45124-3	MW-19	Total/NA	Water	8260B	
570-45124-4	DUP-1	Total/NA	Water	8260B	
MB 570-113629/7	Method Blank	Total/NA	Water	8260B	
LCS 570-113629/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-113629/5	Lab Control Sample Dup	Total/NA	Water	8260B	
570-44978-A-4 MS	Matrix Spike	Total/NA	Water	8260B	
570-44978-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 113738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-45124-5	TB-1	Total/NA	Water	8260B	
MB 570-113738/6	Method Blank	Total/NA	Water	8260B	
LCS 570-113738/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-113738/4	Lab Control Sample Dup	Total/NA	Water	8260B	
570-45079-A-2 MS	Matrix Spike	Total/NA	Water	8260B	
570-45079-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 113915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-45124-1	MW-15	Total/NA	Water	8260B	
MB 570-113915/6	Method Blank	Total/NA	Water	8260B	
LCS 570-113915/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-113915/4	Lab Control Sample Dup	Total/NA	Water	8260B	
570-45124-1 MS	MW-15	Total/NA	Water	8260B	
570-45124-1 MSD	MW-15	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 113979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-45124-1	MW-15	Total/NA	Water	NWTPH-Gx	
570-45124-2	MW-17	Total/NA	Water	NWTPH-Gx	
570-45124-3	MW-19	Total/NA	Water	NWTPH-Gx	
570-45124-4	DUP-1	Total/NA	Water	NWTPH-Gx	
570-45124-5	TB-1	Total/NA	Water	NWTPH-Gx	
MB 570-113979/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-113979/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-113979/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
570-45124-3 MS	MW-19	Total/NA	Water	NWTPH-Gx	
570-45124-3 MSD	MW-19	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Analysis Batch: 114444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-45124-1	MW-15	Total/NA	Water	NWTPH-Dx	114466
570-45124-3	MW-19	Total/NA	Water	NWTPH-Dx	114466
570-45124-4	DUP-1	Total/NA	Water	NWTPH-Dx	114466
MB 570-114466/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	114466
LCS 570-114466/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	114466
LCSD 570-114466/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	114466

QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-45124-1

GC Semi VOA

Prep Batch: 114466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-45124-1	MW-15	Total/NA	Water	3510C	
570-45124-2	MW-17	Total/NA	Water	3510C	
570-45124-3	MW-19	Total/NA	Water	3510C	
570-45124-4	DUP-1	Total/NA	Water	3510C	
MB 570-114466/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-114466/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-114466/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 114693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-45124-1	MW-15	Total/NA	Water	NWTPH-Dx	114466
570-45124-2	MW-17	Total/NA	Water	NWTPH-Dx	114466

HPLC/IC

Analysis Batch: 113378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-45124-1	MW-15	Total/NA	Water	300.0	
570-45124-3	MW-19	Total/NA	Water	300.0	
MB 570-113378/5	Method Blank	Total/NA	Water	300.0	
LCS 570-113378/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 570-113378/7	Lab Control Sample Dup	Total/NA	Water	300.0	
570-45124-3 MS	MW-19	Total/NA	Water	300.0	
570-45124-3 MSD	MW-19	Total/NA	Water	300.0	

Analysis Batch: 113379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-45124-1	MW-15	Total/NA	Water	300.0	
570-45124-3	MW-19	Total/NA	Water	300.0	
MB 570-113379/5	Method Blank	Total/NA	Water	300.0	
LCS 570-113379/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 570-113379/7	Lab Control Sample Dup	Total/NA	Water	300.0	
570-45124-3 MS	MW-19	Total/NA	Water	300.0	
570-45124-3 MSD	MW-19	Total/NA	Water	300.0	

Lab Chronicle

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-45124-1

Client Sample ID: MW-15
Date Collected: 12/01/20 11:19
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-1
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	8260B		1	5 mL	5 mL	113915	12/04/20 13:05	OH1	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	113979	12/04/20 18:23	Z9SI	ECL 2
	Instrument ID: GC24									
Total/NA	Prep	3510C			513.8 mL	5 mL	114466	12/07/20 13:12	N5Y3	ECL 1
Total/NA	Analysis	NWTPH-Dx		1			114444	12/08/20 01:56	N1A	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3510C			513.8 mL	5 mL	114466	12/07/20 13:12	N5Y3	ECL 1
Total/NA	Analysis	NWTPH-Dx		10			114693	12/08/20 18:16	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Analysis	300.0		1			113378	12/02/20 21:42	URMH	ECL 1
	Instrument ID: IC9									
Total/NA	Analysis	300.0		1			113379	12/02/20 21:42	URMH	ECL 1
	Instrument ID: IC9									

Client Sample ID: MW-17
Date Collected: 12/01/20 09:38
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-2
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	8260B		1	5 mL	5 mL	113629	12/03/20 20:11	N1A	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	113979	12/04/20 17:58	Z9SI	ECL 2
	Instrument ID: GC24									
Total/NA	Prep	3510C			543.8 mL	5 mL	114466	12/07/20 13:12	N5Y3	ECL 1
Total/NA	Analysis	NWTPH-Dx		1			114693	12/08/20 15:10	N5Y3	ECL 1
	Instrument ID: GC48									

Client Sample ID: MW-19
Date Collected: 12/01/20 10:22
Date Received: 12/02/20 13:00

Lab Sample ID: 570-45124-3
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	8260B		1	5 mL	5 mL	113629	12/03/20 20:38	N1A	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	113979	12/04/20 16:44	Z9SI	ECL 2
	Instrument ID: GC24									
Total/NA	Prep	3510C			539.8 mL	5 mL	114466	12/07/20 13:12	N5Y3	ECL 1
Total/NA	Analysis	NWTPH-Dx		1			114444	12/08/20 02:37	N1A	ECL 1
	Instrument ID: GC48									
Total/NA	Analysis	300.0		1			113378	12/02/20 22:01	URMH	ECL 1
	Instrument ID: IC9									
Total/NA	Analysis	300.0		1			113379	12/02/20 22:01	URMH	ECL 1
	Instrument ID: IC9									

Lab Chronicle

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-45124-1

Client Sample ID: DUP-1

Lab Sample ID: 570-45124-4

Date Collected: 12/01/20 00:00
Matrix: Water
Date Received: 12/02/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	113629	12/03/20 21:05	N1A	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	113979	12/04/20 18:47	Z9SI	ECL 2
	Instrument ID: GC24									
Total/NA	Prep	3510C			509.5 mL	5 mL	114466	12/07/20 13:12	N5Y3	ECL 1
Total/NA	Analysis	NWTPH-Dx		1			114444	12/08/20 02:57	N1A	ECL 1
	Instrument ID: GC48									

Client Sample ID: TB-1

Lab Sample ID: 570-45124-5

Date Collected: 12/01/20 09:00
Matrix: Water
Date Received: 12/02/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	113738	12/04/20 00:15	OH1	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	113979	12/04/20 15:54	Z9SI	ECL 2
	Instrument ID: GC24									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc.
Job ID: 570-45124-1
Project/Site: P66 Yakima / 11145929

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-20 *
California	State	2944	09-30-21
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

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

Method Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-45124-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	ECL 2
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	ECL 1
300.0	Anions, Ion Chromatography	MCAWW	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
NWTPH = Northwest Total Petroleum Hydrocarbon
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494
ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Yakima / 11145929

Job ID: 570-45124-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-45124-1	MW-15	Water	12/01/20 11:19	12/02/20 13:00	
570-45124-2	MW-17	Water	12/01/20 09:38	12/02/20 13:00	
570-45124-3	MW-19	Water	12/01/20 10:22	12/02/20 13:00	
570-45124-4	DUP-1	Water	12/01/20 00:00	12/02/20 13:00	
570-45124-5	TB-1	Water	12/01/20 09:00	12/02/20 13:00	

45124

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570-45124 Chain of Custody

CHAIN OF CUSTODY RECORD

DATE: 12/1/20

PAGE: 1 OF 1

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

LABORATORY CLIENT: GHD

ADDRESS:

CITY: STATE: ZIP:

TEL: E-MAIL:

CLIENT PROJECT NAME / NUMBER: PG&E YAKIMA – 11145929

P.O. NO.:

PROJECT CONTACT: MATT DANIS

SAMPLER(S): (PRINT) L. BORES

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH - O	BTEX / ~~MTBE~~ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035): ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs: ☐ 8270 ☐ 8270 SIM	T22 Metals: ☐ 6010/747X ☐ 6020/747X	Cr(VI): ☐ 7196 ☐ 7199 ☐ 218.6	SULFATE / NITRAT			
1	MW-15	12/1/20	1119	W	9	X	X		X	X		X	X										X			
2	MW-17		0938	W	8	X	X		X	X		X	X													
3	MW-19		1022	W	9	X	X		X	X		X	X										X			
4	DUP-1		—	W	8	X	X		X	X		X	X													
5	TB-1	↓	0900	W	3		X		X				X													

Relinquished by: (Signature)

Received by: (Signature/Affiliation) SHIPPED VIA FEDEX

Date: 12/1/20 Time: 1400

Relinquished by: (Signature)

Received by: (Signature/Affiliation)

Date: 12/2/2020 Time: 1300

Relinquished by: (Signature)

Received by: (Signature/Affiliation)

Date: Time:

17/2.9 SW

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-45124-1

Login Number: 45124
List Number: 1
Creator: Cortez Diaz, Antonio

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	

about GHD

GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. We provide engineering, environmental, and construction services to private and public sector clients.

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