

**SEMI-ANNUAL STATUS REPORT**

**First Half 2021  
August 30, 2021**

Facility No:	<u>Cowlitz Food &amp; Fuel (Former Texaco Service Station No. 211556)</u>	Address:	<u>101 Mulford Road, Toledo, Washington</u>
Arcadis Contact Person / Phone No.:	<u>Ada Hamilton / (206) 413-6430</u>		
Arcadis Project No.:	<u>30064316</u>		
Primary Agency / Regulatory ID No.:	<u>Washington State Department of Ecology (Ecology) Southwest Regional Office, Toxics Cleanup Program / Steve Teel / Agreed Order No. DE5236</u>		

**WORK CONDUCTED THIS PERIOD [First Half 2021]:**

1. Conducted semi-annual groundwater monitoring and sampling activities on May 24, 2021.
2. Prepared the *Semi-Annual Status Report, First Half 2021*.

**WORK PROPOSED NEXT PERIOD [Second Half 2021]:**

1. Conduct semi-annual groundwater monitoring activities.
2. Prepare the *Semi-Annual Status Report, Second Half 2021*.
3. Revise Feasibility Study in response to Ecology's comments.
4. Create Draft Cleanup Action Plan in coordination with Property Owner

Current Phase of Project:	<u>Monitoring and Feasibility Study</u>	
Frequency of Monitoring / Sampling:	<u>Semi-Annual (Q2/Q4)</u>	
Are Light Non-Aqueous Phase Liquid (LNAPL) Present On-site:	<u>None</u>	
Cumulative LNAPL Recovered to Date:	<u>None</u>	(gallons)
Depth to Groundwater:	<u>7.26 to 9.61</u>	(feet below top of casing)
Groundwater Elevation:	<u>99.28 to 99.82</u>	(feet above NAVD88)

Groundwater Flow Direction	Southeast	
Groundwater Gradient	0.004	(feet per foot)
Current Remediation Techniques:	None	
Permits for Discharge:	Not Applicable	
Summary of Unusual Activity:	None	
Agency Directive Requirements:	Agreed Order No. DE5236	

**DISCUSSION**

Blaine Tech Services (BTS) conducted semi-annual groundwater monitoring activities on May 24, 2021. Nine (9) monitoring wells (MW-109, MW-110, MW-112, MW-113 and MW-114 and B-1 through B-4) were gauged and eight (MW-109, MW-112, MW-113 and MW-114 and B-1 through B-4) were purged and sampled by BTS representatives (well MW-110 is gauged only). Well MW-111 was unable to be located, and presumed to be beneath a puddle, and therefore was not gauged or sampled during this event. It should be noted that although Ecology had previously approved the discontinuation of sampling of wells B-1, B-2, MW-109 and MW-114 in a letter dated August 18, 2020, Arcadis recently transferred groundwater monitoring activities to a new subcontractor (BTS) and this change was erroneously not communicated to field staff. The groundwater monitoring field data sheets and general field procedures are included as Attachment A. The site location and site plan are presented on Figures 1 and 2, respectively.

Groundwater samples were submitted to Washington certified laboratory Pace Analytical Laboratory in Mount Juliet, Tennessee under standard chain-of-custody protocol and analyzed for the following constituents of potential concern (COPCs):

- Gasoline-range organics (GRO) by method NWTPH-Gx,
- Diesel-range organics (DRO) and heavy oil-range organics (HO) by method NWTPH-Dx both with and without silica gel cleanup,
- Benzene, toluene, ethylbenzene, xylene (collectively BTEX) by United States Environmental Protection Agency (USEPA) Method 8260D, and
- Dissolved lead by USEPA Method 6010D.

No LNAPL was observed in any of the monitoring wells during this sampling event. The direction of groundwater flow was to the southeast, and the calculated direction and gradient of 0.004 feet per foot

(feet/foot) were generally consistent with previous monitoring events as shown on the rose diagram within Figure 3. The groundwater elevation contour map is presented on Figure 3.

Groundwater gauging and analytical data obtained during the current event are summarized in Table 1. Historical groundwater gauging and analytical data are summarized in Table 2. Current analytical results above the Washington Department of Ecology Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) are summarized below:

- DRO in well B-2 at a concentration of 657 micrograms per liter ( $\mu\text{g/L}$ ) exceeded the MTCA Method A CUL of 500  $\mu\text{g/L}$ ; and was the historical maximum in this well. It should be noted that the reported DRO concentration following silica gel cleanup was significantly lower than the initial result (92 J  $\mu\text{g/L}$ ) and did not exceed the MTCA Method A CUL.

With the exception of DRO in B-2, COPCs in the sampled wells either were not detected (MW-109, MW-113, and B-4) or the detected concentrations did not exceed the MTCA Method A CULs (MW-112, MW-114, B-1, and B-3). The GRO and DRO concentrations in B-3 and B-4 decreased from the previous event with only a low concentration of DRO detected in B-3; these decreases may be due to typical observed fluctuations. It is also noted that the detected GRO concentration in B-2 during the current event, although it did not exceed the MTCA Method A CUL, was the highest to date in this well. A duplicate sample (BD-1) was collected from monitoring well B-1. Analytical results of the duplicate sample did not correspond to results of sample B-1. The lab re-reviewed the data, and did not find any reporting or quality control errors in the analysis of either sample. The current groundwater analytical results are presented on Figure 4. A copy of the laboratory analytical report and chain-of-custody documentation are included as Attachment B.

## CONCLUSIONS AND RECOMMENDATIONS

The groundwater analytical results from the current event were generally similar to previous events and indicate a decrease in exceedances of MTCA Method A CULs. DRO, GRO, and/or HO exceeded MTCA Method A CULs in B-3 and B4 during previous events but did not exceed during the current event; concentrations in these wells will continue to be monitored. The GRO and DRO concentrations detected in B-2 were historical maximums in this well with DRO exceeding the MTCA Method A CUL.

Arcadis recommends continuing semi-annual monitoring to further evaluate groundwater quality and concentration trends. However, based on the GRO and DRO in B-2, Arcadis recommends returning B-2 to the sampling program and will implement this change during the next event. A duplicate sample will be collected from B-1 during the next semi-annual groundwater monitoring event, and in the event of any discrepancies noted between results of the sample and the duplicate, the samples will be re-analyzed.

**LIMITATIONS**

This report was prepared in accordance with the scope of work outlined in Arcadis' contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of Chevron Environmental Management Company for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Arcadis. To the extent that this report is based on information provided to Arcadis by third parties, Arcadis may have made efforts to verify this third-party information, but Arcadis cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigation. No other warranties expressed or implied are made by Arcadis.

*Ada Hamilton*

Date: August 30, 2021

Ada Hamilton  
Project Manager



*Grayson Chiarello Fish*  
Grayson Chiarello Fish

Date: August 30, 2021

Grayson Fish, L.G.  
Licensed Geologist

**ATTACHMENTS:**

Table 1            Groundwater Gauging Data and Select Analytical Results, May 24, 2021  
Table 2            Historical Groundwater Gauging Data and Select Analytical Results

Figure 1           Site Location Map  
Figure 2           Site Plan  
Figure 3           Groundwater Elevation Contour Map, May 24, 2021  
Figure 4           Groundwater Analytical Map, May 24, 2021

Attachment A    Field Data Sheets and General Procedures  
Attachment B    Laboratory Report and Chain-of-Custody Documentation

# TABLES



Table 1. Current Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/SGT	TPH-HRO	TPH-HRO w/SGT	Benzene	Toluene	Ethylbenzene	Total Xylenes	Dissolved Lead
				MTCA Method A CULs		800/1,000	500	500	500	500	5	1,000	700	1,000	15
MW-109	05/24/2021	107.35	7.94	0.00	99.41	35.0 BJ	<200	<200	<250	<250	<1.00	<1.00	<1.00	<3.00	<6.00
MW-110	05/24/2021	108.89	9.61	0.00	99.28										
MW-111	05/24/2021	107.12													
MW-112	05/24/2021	107.58	8.21	0.00	99.37	61.1 BJ	72.0 J	72.0 J	<250	<250	<1.00	<1.00	<1.00	<3.00	<6.00
MW-113	05/24/2021	108.44	9.11	0.00	99.33	<100	<200	<200	<250	<250	<1.00	<1.00	<1.00	<3.00	<6.00
MW-114	05/24/2021	106.89	7.26	0.00	99.63	<100	<200	<200	83.9 J	83.9 J	<1.00	<1.00	<1.00	<3.00	<6.00
B-1	05/24/2021	107.74	7.92	0.00	99.82	462 B	137 J	137 J	<250	<250	<1.00	<1.00	<1.00	<3.00	<6.00
B-1 DUP	05/24/2021	--	--	--	--	<100	<200	<200	<250	<250	<1.00	<1.00	<1.00	<3.00	<6.00
B-2	05/24/2021	108.99	9.17	0.00	99.82	258 B	657	92.0 J	147 J	<250	<1.00	<1.00	5.4	0.243 J	<6.00
B-3	05/24/2021	108.46	8.85	0.00	99.61	<100	83.0 J	83.0 J	<250	<250	<1.00	<1.00	<1.00	<3.00	<6.00
B-4	05/24/2021	107.68	7.89	0.00	99.79	<100	<200	<200	<250	<250	<1.00	<1.00	<1.00	<3.00	<6.00

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**Notes:**

800/1,000 = GRO MTCA Method A CUL with benzene present is 800 µg/L and without is 1,000 µg/L

**BOLD and highlighted** values exceed their respective MTCA Method A cleanup level

**BOLD** values are non-detect do not exceed the laboratory Reporting limit (RL), but the RL exceeds the MTCA Method A cleanup level  
Results reported in micrograms per liter (µg/L)

**Abbreviations:**

TOC = Top of Casing in feet above North American Vertical Datum of 1988 (NAVD 88)

DTW = Depth to water in feet below TOC

NAPL = Non-aqueous phase liquid thickness in feet

GWE = Groundwater elevation in feet relative to NAVD88

-- = Not applicable, not available, or not analyzed

MTCA = Model Toxics Control Act Cleanup

CUL = Cleanup Level

DUP = Blind duplicate sample results

QA = Quality Assurance

SGT = Silica Gel Treatment

**Laboratory Qualifiers:**

< = Not detected at or above the laboratory Reporting Limit (RL) or Limit of Quantification (LOQ)

J = Estimated value; result is greater than the laboratory Method Detection Limit (MDL) but less than the RL or LOQ.

B = The same analyte is found in the associated blank.

**Analytical Methods:**

Samples analyzed by USEPA Method 8260D

BTEX = benzene, toluene, ethylbenzene, and total xylenes

MTBE = Methyl tertiary butyl ether

TPH-GRO = Total Petroleum Hydrocarbons as Gasoline Range Organics analyzed by NWTPH-Gx

Samples analyzed by NWTPH-Dx

TPH-DRO = Total Petroleum Hydrocarbon as Diesel Range Organics

TPH-HRO = Total Petroleum Hydrocarbons as Heavy Oil Range Organics

If the result for TPH-DRO or TPH-HRO without SGT is less than the RL, SGT is not performed.

Dissolved Lead analyzed by USEPA 6010D



Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
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 101 Mulford Road  
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Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
MTCA Method A CULs						800/1,000	500	500	500	500	5	1,000	700	1,000	20	15	
MW-103	02/14/1991	107.81	8.08	--	99.73	--	--	--	--	--	--	--	--	--	--	--	
MW-103	02/18/1992	107.81	8.08	--	99.73	--	--	--	--	--	--	--	--	--	--	--	
MW-103	03/09/1992	107.81	7.80	--	100.01	--	--	--	--	--	--	--	--	--	--	--	
MW-103	03/13/1992	107.81	8.08	--	99.73	<50	--	<250	--	<250	--	--	--	--	--	--	
MW-103	04/21/1992	107.81	7.78	--	100.03	<50	--	--	--	--	--	--	--	--	--	--	
MW-103	03/03/1994	107.81	--	--	--	<50	--	<250	--	<250	<13	--	--	--	--	--	
MW-103	06/13/1995	107.81	8.55	--	99.26	<50	--	<250	--	<250	--	--	--	--	--	--	<3.0
MW-103	08/22/1995	107.81	--	--	--	<50	--	<250	--	<250	--	--	--	--	--	--	<2.0
MW-103	08/23/1995	107.81	8.91	--	98.90	<50	--	<250	--	<250	--	--	--	--	--	--	<2.0
MW-103	11/28/1995	107.81	7.30	--	100.51	<50	--	<250	--	<250	--	--	--	--	--	--	<2.0
MW-103	03/12/1996	107.81	8.03	--	99.78	<50	--	<250	--	<250	--	--	--	--	--	--	<2.0
MW-103	06/26/1996	107.81	8.67	--	99.14	<50	--	<250	--	<250	--	--	--	--	--	--	<2.0
MW-103	10/09/1996	107.81	8.82	--	98.99	<50	--	<250	--	<250	--	--	--	--	--	--	<2.0
MW-103	02/12/1997	107.81	7.81	--	100.00	<50	--	<250	--	<250	--	--	--	--	--	--	<2.0
MW-103	04/22/1997	107.81	7.42	--	100.39	<50	--	<250	--	<250	--	--	--	--	--	--	<2.0
MW-103	08/05/1997	107.81	8.83	--	98.98	257	--	257	--	110	--	--	--	--	--	--	<2.0
MW-103	11/11/1997	107.81	9.01	--	98.80	<50	--	<250	--	<250	--	--	--	--	--	--	<2.0
MW-103	02/11/1998	107.81	8.03	--	99.78	<50	--	<250	--	<250	--	--	--	--	--	--	<2.0
MW-103	05/28/1998	107.81	8.17	--	99.64	<50	--	<250	--	<250	--	--	--	--	--	--	2.84
MW-103	08/20/1998	107.81	9.21	--	98.60	<50	--	<250	--	<250	--	--	--	--	--	--	<1.0
MW-103	11/19/1998	107.81	9.03	--	98.78	<50	--	<250	--	<250	--	--	--	--	--	--	<1.0
MW-103	03/11/1999	107.81	7.51	--	100.30	<50	--	<250	--	<250	--	--	--	--	--	--	<1.0
MW-103	05/25/1999	107.81	8.51	--	99.30	<50	--	<250	--	<250	--	--	--	--	--	--	--
MW-103	08/17/1999	107.81	8.93	--	98.88	<50	--	<250	--	<250	--	--	--	--	--	--	<1.0
MW-103	11/19/1999	107.81	7.18	--	100.63	<80	--	<250	--	<250	--	--	--	--	--	--	<1.0
MW-103	03/09/2000	107.81	7.48	--	100.33	<80	--	<250	--	<250	--	--	--	--	--	--	<1.0
MW-103	06/13/2000	107.81	8.29	--	99.52	<80	--	<250	--	<250	--	--	--	--	--	--	<1.0
MW-103	09/26/2000	107.81	9.05	--	98.76	--	--	<250	--	<250	--	--	--	--	--	--	<1.0
MW-103	12/13/2000	107.81	8.65	--	99.16	--	--	<250	--	<250	--	--	--	--	--	--	<1.0
MW-103	02/28/2001	107.81	8.34	--	99.47	89	--	<250	--	<250	--	--	--	--	--	--	<1.0
MW-103	05/02/2001	107.81	8.12	--	99.69	214	--	<250	--	<250	--	--	--	--	--	--	<1.0
MW-103	12/30/2003	107.81	7.32	0.00	100.49	<110	--	<50	--	<85	<0.5	<0.5	<0.5	<1.5	--	--	<1.2
MW-103	07/20/2004	107.81	9.09	0.00	98.72	<50.0	--	<250	--	<500	<0.500	<0.500	<0.500	<1.00	--	--	--
MW-103	10/07/2004	107.81	8.66	0.00	99.15	--	--	<160	--	<50	--	--	--	--	--	--	--
MW-103	01/27/2005	107.81	7.95	0.00	99.86	<48	--	<83	--	<83	--	--	--	--	--	--	--
MW-103	04/12/2005	107.81	7.65	0.00	100.16	<48	--	<78	--	<78	--	--	--	--	--	--	--
MW-103	07/18/2005	107.81	8.76	0.00	99.05	<48	--	<79	--	<79	--	--	--	--	--	--	--
MW-103	10/21/2005	107.81	8.87	0.00	98.94	<48	--	<79	--	<79	--	--	--	--	--	--	--
MW-103	08/12/2010	107.81	8.90	0.00	98.91	<50	--	30	--	120	<0.5	<0.5	<0.5	<0.5	<0.5	0.11	LFP
MW-103	11/3-4/2010	107.81	7.69	0.00	100.12	<50	--	<29	--	91	<0.5	<0.5	<0.5	<0.5	<0.5	0.17	LFP
MW-103	2/3-4/2011	107.81	7.99	0.00	99.82	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.22	LFP
MW-103	05/24/2011	107.81	8.25	0.00	99.56	<50	--	30	--	340	<0.5	<0.5	<0.5	<0.5	<0.5	0.13	LFP
MW-103	11/7-9/2011	107.81	8.90	0.00	98.91	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.12	LFP
MW-103	2/6-8/2012	107.81	7.80	0.00	100.01	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
MW-103	5/2-4/2012	107.81	8.05	0.00	99.76	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.083	LFP
MW-103	8/1-3/2012	107.81	8.95	0.00	98.86	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.088	LFP
MW-103	11/26-28/2012	107.81	7.36	0.00	100.45	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047	LFP
MW-103	2/4-6/2013	107.81	7.85	0.00	99.96	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.087	LFP
MW-103	5/6-8/2013	107.81	8.60	0.00	99.21	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.13	LFP
MW-103	9/9-13/2013	107.81	8.55	0.00	99.26	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.11	LFP
MW-103	11/18-21/2013	107.81	7.62	0.00	100.19	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.21	LFP
MW-103	2/4-11/2014	107.81	8.36	0.00	99.45	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.11	LFP
MW-103	6/12-14/2014	107.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-103	8/18-21/2014	107.81	6.81	0.00	101.00	62	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.18	LFP
MW-103	11/19-20/2014	107.81	8.41	0.00	99.40	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
MW-103	2/17-20/2015	107.81	7.83	0.00	99.98	<50	<29	<29	<69	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP

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MW-103	5/11-15/2015	107.81	8.77	0.00	99.04	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.12	LFP
MW-103	8/10-11/2015	107.81	9.35	0.00	98.46	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.13	LFP
MW-103	11/16-18/2015	107.81	6.67	0.00	101.14	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.00	LFP
MW-103	5/13-14/2016	107.81	8.60	0.00	99.21												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-103	11/14/2016	107.81	7.83	0.00	99.98												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-103	05/14/2017	107.81	7.87	0.00	99.94												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-103	11/11-12/2017	107.81	7.93	0.00	99.88												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-103	05/11/2018	107.81	8.56	0.00	99.25												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-103	11/11-12/2018	107.81	8.91	0.00	98.90												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-103	04/27/2019	107.81	8.29	0.00	99.52												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-103	11/03/2019	107.81	8.55	0.00	99.26												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-103	Nov 2019	107.81	--	--	--												WELL ABANDONED
MW-109	03/13/1992	107.35	7.72	0.00	99.63	<50	--	--	--	--	--	--	--	--	--	--	
MW-109	04/21/1992	107.35	7.42	0.00	99.93	--	--	--	--	--	--	--	--	--	--	--	
MW-109	03/03/1994	107.35	--	--	--	4,900	--	900	--	1,500	--	--	--	--	--	--	
MW-109	08/22/1995	107.35	8.57	0.00	98.78	<50	--	2,900	--	2,400	--	--	--	--	--	--	
MW-109	11/28/1995	107.35	5.87	0.00	101.48	72	--	480	--	1,900	--	--	--	--	--	--	<2.0
MW-109	03/12/1996	107.35	7.16	0.00	100.19	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-109	06/26/1996	107.35	8.24	0.00	99.11	<50	--	554	--	<750	--	--	--	--	--	--	<2.0
MW-109	10/09/1996	107.35	8.54	0.00	98.81	<50	--	405	--	<750	--	--	--	--	--	--	<2.0
MW-109	02/12/1997	107.35	5.82	0.00	101.53	<50	--	393	--	1,290	--	--	--	--	--	--	<2.0
MW-109	04/22/1997	107.35	7.10	0.00	100.25	<50	--	356	--	1,270	--	--	--	--	--	--	<2.0
MW-109	08/05/1997	107.35	8.81	0.00	98.54	<50	--	560	--	1,690	--	--	--	--	--	--	<2.0
MW-109	11/11/1997	107.35	7.57	0.00	99.78	<50	--	269	--	780	--	--	--	--	--	--	<2.0
MW-109	02/11/1998	107.35	6.20	0.00	101.15	<50	--	387	--	1,700	--	--	--	--	--	--	<2.0
MW-109	05/28/1998	107.35	7.62	0.00	99.73	<50	--	332	--	920	--	--	--	--	--	--	2.25
MW-109	08/20/1998	107.35	9.00	0.00	98.35	<50	--	520	--	1,450	--	--	--	--	--	--	<1.0
MW-109	11/19/1998	107.35	8.21	0.00	99.14	<50	--	409	--	1,130	--	--	--	--	--	--	<1.3
MW-109	03/11/1999	107.35	6.94	0.00	100.41	<80	--	539	--	2,000	--	--	--	--	--	--	<1.0
MW-109	05/25/1999	107.35	8.13	0.00	99.22	<80	--	916	--	--	--	--	--	--	--	--	--
MW-109	08/17/1999	107.35	8.66	0.00	98.69	<80	--	1,520	--	7,770	--	--	--	--	--	--	<1.0
MW-109	11/19/1999	107.35	6.65	0.00	100.70	<80	--	<250	--	--	--	--	--	--	--	--	<1.0
MW-109	03/09/2000	107.35	5.67	0.00	101.68	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-109	06/13/2000	107.35	6.65	0.00	100.70	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-109	09/26/2000	107.35	8.36	0.00	98.99	--	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-109	12/13/2000	107.35	7.72	0.00	99.63	--	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-109	02/28/2001	107.35	7.44	0.00	99.91	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-109	05/02/2001	107.35	9.50	0.00	97.85	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-109	10/30/2002	107.35	8.69	0.00	98.66	<80	--	<250	--	<500	<0.500	<0.500	<0.500	<1.0	--	6.44	
MW-109	10/31/2003	107.35	7.63	0.00	99.72	<50	--	<250	--	<500	<0.500	<0.500	<0.500	<1.0	--	<1.0	
MW-109	12/31/2003	107.35	6.42	0.00	100.93	2,300	--	<50	--	440	<0.5	<0.5	<0.5	<1.5	--	<1.2	
MW-109	10/06/2004	107.35	7.71	0.00	99.64	<50	--	<81	--	110	--	--	--	--	--	--	
MW-109	10/24/2005	107.35	7.93	0.00	99.42	<48	--	<81	--	<100	--	--	--	--	--	--	
MW-109	09/05/2007	107.35	8.45	0.00	98.90	91	--	<79	--	240	--	--	--	--	--	0.15	
MW-109	5/27-28/2008	107.35	7.86	0.00	99.49	<50	--	<79	--	<98	<0.5	0.6	<0.5	<0.5	<0.5	<0.050	
MW-109	8/27-29/2008	107.35	7.92	0.00	99.43	<50	--	<79	--	<99	<5	<5	<5	<5	<5	<0.050	LFP
MW-109	11/17-19/2008	107.35	6.60	0.00	100.75	<50	--	35	--	110	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-109	2/16-18/2009	107.35	7.59	0.00	99.76	<50	--	53	--	130	<0.5	<0.5	<0.5	<0.5	<0.5	0.093	LFP
MW-109	5/4-6/2009	107.35	7.09	0.00	100.26	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-109	8/19-21/2009	107.35	8.35	0.00	99.00	<50	--	49	--	290	<0.5	<0.5	<0.5	<0.5	<0.5	0.15	LFP
MW-109	11/18-20/2009	107.35	5.74	0.00	101.61	<50	--	98	--	340	<0.5	<0.5	<0.5	<0.5	<0.5	0.15	LFP
MW-109	2/8-10/2010	107.35	7.04	0.00	100.31	<50	--	31	--	<72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-109	5/12-13/2010	107.35	7.41	0.00	99.94	<50	--	60	--	270	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-109	08/11/2010	107.35	8.90	0.00	98.45	<50	--	34	--	300	<0.5	<0.5	<0.5	<0.5	<0.5	0.1	LFP
MW-109	11/3-4/2010	107.35	6.37	0.00	100.98	<50	--	65	--	430	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
MW-109	2/3-4/2011	107.35	7.12	0.00	100.23	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
MW-109	05/23/2011	107.35	7.26	0.00	100.09	<50	--	47	--	520	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Sl gel	TPH-HRO	TPH-HRO w/Sl gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
MW-109	8/23-24/11	107.35	8.35	0.00	99.00	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.12	LFP
MW-109	11/7-9/2011	107.35	8.00	0.00	99.35	84	--	<300	--	890	<0.5	<0.5	0.6	<0.5	<0.5	0.19	LFP
MW-109	2/6-8/2012	107.35	6.85	0.00	100.50	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
MW-109	5/2-4/2012	107.35	6.90	0.00	100.45	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
MW-109	8/1-3/2012	107.35	8.13	0.00	99.22	<50	--	<30	--	<71	<0.5	<0.5	<0.5	<0.5	<0.5	<0.034	LFP
MW-109	11/26-28/2012	107.35	6.42	0.00	100.93	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047	LFP
MW-109	2/4-6/2013	107.35	6.95	0.00	100.40	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP
MW-109	5/6-8/2013	107.35	7.35	0.00	100.00	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP
MW-109	9/9-13/2013	107.35	7.34	0.00	100.01	<50	<31	<31	<72	<72	<0.5	<0.5	<0.5	<0.5	<0.5	0.62	LFP
MW-109	11/18-22/2013	107.35	8.12	0.00	99.23	<50	68	<29	170	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
MW-109	2/4-11/2014	107.35	7.33	0.00	100.02	<50	<30	<30	<70	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.20	LFP
MW-109	6/12-14/2014	107.35	7.31	0.00	100.04	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	--	Insufficient water to collect lead sample
MW-109	8/18-21/14	107.35	9.93	0.00	97.42	--	--	--	--	--	--	--	--	--	--	--	Insufficient Water
MW-109	11/19-20/2014	107.35	7.38	0.00	99.97	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
MW-109	2/17-20/2015	107.35	6.91	0.00	100.44	<50	<30	<30	<69	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
MW-109	5/11-15/2015	107.35	7.29	0.00	100.06	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.12	LFP
MW-109	8/10-11/2015	107.35	8.62	0.00	98.73	<50	130	<29	640	210	<0.5	<0.5	<0.5	<0.5	<0.5	136	LFP
MW-109	11/16-18/2015	107.35	5.34	0.00	102.01	<50	36	<28	97	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.0028	LFP
MW-109	5/13-14/2016	107.35	7.76	0.00	99.59	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	--	<0.13	LFP
MW-109	11/14/2016	107.35	6.40	0.00	100.95	<50	77	<28	65	<65	<0.5	<0.5	<0.5	<0.5	--	0.55	LFP
MW-109	05/14/2017	107.35	6.70	0.00	100.65	<50	45	<28	260	<66	<0.5	<0.5	<0.5	<0.5	--	<0.090	LFP
MW-109	11/11-12/2017	107.35	6.61	0.00	100.74	<50	<30	<30	<70	<70	<0.5	<0.5	<0.5	<0.5	--	0.40	LFP
MW-109	05/11/2018	107.35	7.38	0.00	99.97	<50	<28	31	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.11	LFP
MW-109	11/11-12/2018	107.35	7.47	0.00	99.88	<19	40	<28	260	96	<0.2	<0.2	<0.4	<1	--	<1.1	LFP
MW-109	04/27/2019	107.35	7.28	0.00	100.07	<19	97	<30	<67	<67	<0.2	<0.2	<0.4	<1	--	<1.1	LFP
MW-109	11/03/2019	107.35	7.49	0.00	99.86	<19	41 J	<30	95 J	<68	<0.2	<0.2	<0.4	<1	--	29.4	LFP
MW-109	05/06/2020	107.35	7.50	0.00	99.85	51.3 B J	<200	<200	<250	<250	<1.00	<1.00	<1.00	<3.00	--	<5.00	
MW-109	11/7/2020	107.35	6.62	0.00	100.73				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-109	05/24/2021	107.35	7.94	0.00	99.41	35.0 BJ	<200	<200	<250	<250	<1.00	<1.00	<1.00	<3.00	--	<6.00	
MW-110	08/22/1995	108.89	9.62	0.00	99.27	11,000	--	400	--	<750	--	--	--	--	--	--	
MW-110	11/28/1995	108.89	8.08	0.00	100.81	6,000	--	540	--	<750	--	--	--	--	--	14	
MW-110	03/12/1996	108.89	8.74	0.00	100.15	3,600	--	340	--	<750	--	--	--	--	--	14	
MW-110	06/26/1996	108.89	9.41	0.00	99.48	2,750	--	274	--	<750	--	--	--	--	--	8.14	
MW-110	10/09/1996	108.89	9.67	0.00	99.22	1,160	--	<250	--	<750	--	--	--	--	--	5.96	
MW-110	02/12/1997	108.89	8.42	0.00	100.47	1,830	--	393	--	<750	--	--	--	--	--	11.7	
MW-110	04/22/1997	108.89	8.18	0.00	100.71	1,950	--	371	--	<750	--	--	--	--	--	7.27	
MW-110	08/05/1997	108.89	9.80	0.00	99.09	1,480	--	282	--	<750	--	--	--	--	--	3.16	
MW-110	11/11/1997	108.89	8.57	0.00	100.32	2,330	--	659	--	<750	--	--	--	--	--	22.9	
MW-110	02/11/1998	108.89	8.54	0.00	100.35	2,040	--	390	--	<750	--	--	--	--	--	15.3	
MW-110	05/28/1998	108.89	8.69	0.00	100.20	1,350	--	324	--	<750	--	--	--	--	--	15.5	
MW-110	08/20/1998	108.89	10.91	0.00	97.98	812	--	<250	--	<750	--	--	--	--	--	1.55	
MW-110	11/19/1998	108.89	9.51	0.00	99.38	637	--	258	--	<750	--	--	--	--	--	7.27	
MW-110	03/11/1999	108.89	8.09	0.00	100.80	2,350	--	486	--	<500	--	--	--	--	--	11	
MW-110	05/25/1999	108.89	9.28	0.00	99.61	2,950	--	<250	--	--	--	--	--	--	--	--	
MW-110	08/17/1999	108.89	9.81	0.00	99.08	749	--	<250	--	<500	--	--	--	--	--	2.2	
MW-110	11/19/1999	108.89	7.77	0.00	101.12	2,030	--	453	--	--	--	--	--	--	--	32.4	
MW-110	03/09/2000	108.89	8.15	0.00	100.74	3,780	--	<250	--	<500	--	--	--	--	--	9.59	
MW-110	06/13/2000	108.89	8.81	0.00	100.08	2,330	--	<250	--	<500	--	--	--	--	--	5.45	
MW-110	09/26/2000	108.89	9.98	0.00	98.91	--	--	<250	--	<500	--	--	--	--	--	2.83	
MW-110	12/13/2000	108.89	9.37	0.00	99.52	1,340	--	<250	--	<500	--	--	--	--	--	4.15	
MW-110	02/28/2001	108.89	9.07	0.00	99.82	1,800	--	<250	--	<500	--	--	--	--	--	6.32	
MW-110	05/02/2001	108.89	8.62	0.00	100.27	905	--	<250	--	<500	--	--	--	--	--	4.23	
MW-110	10/30/2002	108.89	10.28	0.00	98.61	3,880	--	<250	--	<500	<2.50	<2.50	22.5	108	--	6.36	
MW-110	01/23/2003	108.89	8.74	0.00	100.15	1,190	--	<250	--	<500	0.902	0.585	9.83	13.9	--	26.5	
MW-110	04/18/2003	108.89	8.40	0.00	100.49	499	--	<250	--	<500	1.94	<0.500	0.799	1.65	--	16.8	
MW-110	07/11/2003	108.89	9.99	0.00	98.90	586	--	<250	--	<500	1.76	<0.500	1.08	1.11	--	2.115	
MW-110	10/31/2003	108.89	9.25	0.00	99.64	184	--	<250	--	<500	0.529	<0.500	<0.500	<1.0	--	<1.0	

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
MW-110	12/31/2003	108.89	7.94	0.00	100.95	<99	--	1,800	--	410	<10	<2.0	23	25	--	17.3	
MW-110	05/03/2004	108.89	9.56	0.00	99.33	454	--	<250	--	<500	1.8	<0.500	<0.500	<1.0	--	3.865	
MW-110	07/20/2004	108.89	10.03	0.00	98.86	308	--	<250	--	<500	0.893	<0.500	<0.500	<1.0	--	<1.0	
MW-110	10/06/2004	108.89	9.38	0.00	99.51	160	--	<79	--	<99	--	--	--	--	--	--	
MW-110	01/27/2005	108.89	8.65	0.00	100.24	150	--	<81	--	<100	--	--	--	--	--	--	
MW-110	04/12/2005	108.89	8.22	0.00	100.67	290	--	370	--	<100	--	--	--	--	--	--	
MW-110	07/18/2005	108.89	9.50	0.00	99.39	100	--	<79	--	<99	--	--	--	--	--	--	
MW-110-DUP	07/18/2005	108.89	9.50	0.00	99.39	100	--	<79	--	<99	--	--	--	--	--	--	
MW-110	10/20/2005	108.89	9.62	0.00	99.27	110	--	82	--	100	--	--	--	--	--	--	
MW-110	09/04/2007	108.89	10.08	0.00	98.81	290	--	<150	--	220	--	--	--	--	--	5	
MW-110	5/27-28/2008	108.89	9.52	0.00	99.37	210	--	<76	--	<96	<0.5	<0.5	9	0.7	<0.5	9.1	LFP
MW-110	8/27-29/2008	108.89	9.60	0.00	99.29	240	--	120	--	<100	<5	<5	<5	<5	<5	1.5	LFP
MW-110	11/17-19/2008	108.89	8.17	0.00	100.72	150	--	410	--	<68	<0.5	15.5	<0.5	<0.5	<0.5	34.1	LFP
MW-110	2/16-18/2009	108.89	9.23	0.00	99.66	<50	--	58	--	170	<0.5	<0.5	<0.5	<0.5	<0.5	27.7	LFP
MW-110	5/4-6/2009	108.89	8.60	0.00	100.29	96	--	380	--	670	<0.5	<0.5	<0.5	<0.5	<0.5	5.4	LFP
MW-110	8/19-21/2009	108.89	9.98	0.00	98.91	69	--	<30	--	76	<0.5	<0.5	<0.5	<0.5	<0.5	0.63	LFP
MW-110	11/18-20/2009	108.89	6.97	0.00	101.92	670	--	200	--	<67	<0.5	<0.5	2	<0.5	<0.5	5	LFP
MW-110	2/8-10/2010	108.89	8.64	0.00	100.25	<50	--	51	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	12.5	LFP
MW-110	5/12-13/2010	108.89	9.08	0.00	99.81	<50	--	39	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	4.2	LFP
MW-110	08/11/2010	108.89	9.75	0.00	99.14	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.4	LFP
MW-110	11/3-4/2010	108.89	8.15	0.00	100.74	<50	--	49	--	98	<0.5	<0.5	<0.5	<0.5	<0.5	2.5	LFP
MW-110	2/3-4/2011	108.89	8.77	0.00	100.12	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.72	LFP
MW-110	05/24/2011	108.89	8.90	0.00	99.99	<50	--	<29	--	180	<0.5	<0.5	<0.5	<0.5	<0.5	0.43	LFP
MW-110	8/23-24/11	108.89	9.96	0.00	98.93	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.62	LFP
MW-110	11/7-9/2011	108.89	9.30	0.00	99.59	95	--	<31	--	<72	<0.5	<0.5	<0.5	<0.5	<0.5	0.22	LFP
MW-110	2/6-8/2012	108.89	8.40	0.00	100.49	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.22	LFP
MW-110	5/2-4/2012	108.89	8.40	0.00	100.49	<50	--	<31	--	<72	<0.5	<0.5	<0.5	<0.5	<0.5	0.23	LFP
MW-110	8/1-3/2012	108.89	8.46	0.00	100.43	<50	--	50	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.093	LFP
MW-110	11/26-28/2012	108.89	7.95	0.00	100.94	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.30	LFP
MW-110	2/4-6/2013	108.89	8.38	0.00	100.51	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP
MW-110	5/6-8/2013	108.89	9.52	0.00	99.37	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.23	LFP
MW-110	9/9-13/2013	108.89	9.03	0.00	99.86	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.39	LFP
MW-110	11/18-21/2013	108.89	8.22	0.00	100.67	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.33	LFP
MW-110	2/4-11/2014	108.89	8.98	0.00	99.91	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.16	LFP
MW-110	6/12-14/2014	108.89	9.90	0.00	99.39	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.22	LFP
MW-110	8/18-21/14	108.89	8.53	0.00	100.36	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.10	LFP
MW-110	11/19-20/2014	108.89	9.08	0.00	99.81	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.94	LFP
MW-110	2/17-20/2015	108.89	8.39	0.00	100.50	<50	<30	<30	<70	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
MW-110	5/11-15/2015	108.89	9.51	0.00	99.38	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.46	LFP
MW-110	8/10-11/2015	108.89	10.23	0.00	98.66	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.88	LFP
MW-110	11/16-18/2015	108.89	6.54	0.00	102.35	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.00	LFP
MW-110	5/13-14/2016	108.89	9.04	0.00	99.85												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-110	11/14/2016	108.89	8.21	0.00	100.68												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-110	05/14/2017	108.89	8.40	0.00	100.49												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-110	11/11-12/2017	108.89	8.44	0.00	100.45												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-110	05/11/2018	108.89	9.12	0.00	99.77												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-110	11/11-12/2018	108.89	9.30	0.00	99.59												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-110	04/27/2019	108.89	8.93	0.00	99.96												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-110	11/03/2019	108.89	9.15	0.00	99.74												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-110	05/05/2020	108.89	9.15	0.00	99.74												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-110	11/7/2020	108.89	8.27	0.00	100.62												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-110	05/24/2021	108.89	9.61	0.00	99.28												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-111	08/22/1995	107.12	7.86	0.00	99.26	33,000	--	360	--	<750	--	--	--	--	--	--	
MW-111	11/28/1995	107.12	6.14	0.00	100.98	17,000	--	640	--	<750	--	--	--	--	--	10	
MW-111	03/12/1996	107.12	6.84	0.00	100.28	11,000	--	290	--	<750	--	--	--	--	--	7.6	
MW-111	06/26/1996	107.12	7.55	0.00	99.57	7,690	--	479	--	<750	--	--	--	--	--	4.8	
MW-111	10/09/1996	107.12	7.81	0.00	99.31	3,560	--	256	--	<750	--	--	--	--	--	4.7	

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Sl gel	TPH-HRO	TPH-HRO w/Sl gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
MW-111	02/12/1997	107.12	6.52	0.00	100.60	17,200	--	631	--	<750	--	--	--	--	--	8.7	
MW-111	04/22/1997	107.12	6.31	0.00	100.81	13,800	--	920	--	<750	--	--	--	--	--	5.3	
MW-111	08/05/1997	107.12	7.90	0.00	99.22	4,290	--	444	--	<750	--	--	--	--	--	3.5	
MW-111	11/11/1997	107.12	6.70	0.00	100.42	14,300	--	770	--	<750	--	--	--	--	--	12.4	
MW-111	02/11/1998	107.12	6.65	0.00	100.47	13,600	--	587	--	<750	--	--	--	--	--	8.3	
MW-111	05/28/1998	107.12	6.89	0.00	100.23	11,200	--	526	--	<750	--	--	--	--	--	16.6	
MW-111	08/20/1998	107.12	9.08	0.00	98.04	5,950	--	637	--	<750	--	--	--	--	--	1.7	
MW-111	11/19/1998	107.12	7.60	0.00	99.52	10,500,000	--	3,890	--	<750	--	--	--	--	--	2.2	
MW-111	01/22/1999	107.12	5.36	0.00	101.76	19,000	--	--	--	--	--	--	--	--	--	--	
MW-111	03/11/1999	107.12	6.19	0.00	100.93	6,910	--	611	--	<500	--	--	--	--	--	6.3	
MW-111	05/25/1999	107.12	7.43	0.00	99.69	8,500	--	388	--	--	--	--	--	--	--	4.2	
MW-111	08/17/1999	107.12	7.98	0.00	99.14	17,600	--	547	--	<500	--	--	--	--	--	3	
MW-111	11/19/1999	107.12	5.87	0.00	101.25	27,900	--	547	--	--	--	--	--	--	--	14.4	
MW-111	03/09/2000	107.12	6.27	0.00	100.85	20,800	--	12,400	--	646	--	--	--	--	--	11.8	
MW-111	06/13/2000	107.12	6.91	0.00	100.21	29,600	--	7,670	--	<500	--	--	--	--	--	12.8	
MW-111	09/26/2000	107.12	8.37	0.00	98.75	--	--	--	--	--	--	--	--	--	--	--	
MW-111	12/13/2000	107.12	7.65	0.00	99.47	23,100	--	13,800	--	<500	--	--	--	--	--	4.1	
MW-111	02/28/2001	107.12	7.26	0.00	99.86	16,400	--	3,740	--	<500	--	--	--	--	--	5.6	
MW-111	05/02/2001	107.12	6.89	0.00	100.23	17,700	--	7,530	--	<500	--	--	--	--	--	10.7	
MW-111	10/30/2002	107.12	8.70	0.28	98.64	--	--	--	--	--	--	--	--	--	--	--	Not Sampled Due to the Presence of NAPL
MW-111	01/23/2003	107.12	6.99	0.04	100.16	--	--	--	--	--	--	--	--	--	--	--	Not Sampled Due to the Presence of NAPL
MW-111	04/18/2003	107.12	6.89	0.06	100.28	--	--	--	--	--	--	--	--	--	--	--	Not Sampled Due to the Presence of NAPL
MW-111	07/11/2003	107.12	8.25	0.07	98.93	--	--	--	--	--	--	--	--	--	--	--	Not Sampled Due to the Presence of NAPL
MW-111	10/31/2003	107.12	7.48	0.03	99.66	--	--	--	--	--	--	--	--	--	--	--	Not Sampled Due to the Presence of NAPL
MW-111	12/31/2003	107.12	6.40	0.00	100.72	300	--	50,000	--	2,800	8.3	6.5	1,100	3,300	--	15.2	
MW-111	05/03/2004	107.12	7.79	0.03	99.35	--	--	--	--	--	--	--	--	--	--	--	Not Sampled Due to the Presence of NAPL
MW-111	07/20/2004	107.12	8.16	0.06	99.01	--	--	--	--	--	--	--	--	--	--	--	Not Sampled Due to the Presence of NAPL
MW-111	10/06/2004	107.12	7.54	0.00	99.58	5,700	--	240	--	<100	--	--	--	--	--	--	
MW-111	01/27/2005	107.12	6.79	0.00	100.33	8,800	--	310	--	<98	--	--	--	--	--	--	
MW-111-DUP	01/27/2005	107.12	6.79	0.00	100.33	9,100	--	310	--	<98	--	--	--	--	--	--	
MW-111	04/12/2005	107.12	6.32	0.00	100.80	10,000	--	820	--	<100	--	--	--	--	--	--	
MW-111-DUP	04/12/2005	107.12	6.32	0.00	100.80	10,000	--	850	--	<110	--	--	--	--	--	--	
MW-111	07/18/2005	107.12	7.75	0.00	99.37	6,300	--	460	--	<96	--	--	--	--	--	--	
MW-111	10/20/2005	107.12	7.84	0.00	99.28	--	--	--	--	--	--	--	--	--	--	--	
MW-111	09/04/2007	107.12	8.26	0.00	98.86	6,800	--	1,100	--	<220	--	--	--	--	--	2.8	
MW-111	09/04/2007	107.12	--	--	--	<50	--	<81	--	<100	--	--	--	--	--	<0.047	
MW-111	5/27-28/2008	107.12	7.64	0.00	99.48	--	--	--	--	--	--	--	--	--	--	--	Feet
MW-111	8/27-29/2008	107.12	7.71	0.00	99.41	--	--	--	--	--	--	--	--	--	--	--	Feet
MW-111	11/17-19/2008	107.12	6.27	0.00	100.85	18,000	--	2,300	--	<1,400	3	<1	300	220	<1	36.8	LFP
MW-111	2/16-18/2009	107.12	7.36	0.00	99.76	20,000	--	350	--	74	4	2	190	110	<1	8.5	LFP
MW-111	5/4-6/2009	107.12	6.62	0.00	100.50	13,000	--	1,200	--	<70	8	2	220	120	<0.5	20.1	LFP
MW-111	8/19-21/2009	107.12	8.12	0.00	99.00	11,000	--	780	--	<70	4	0.6	180	130	<0.5	5.3	LFP
MW-111	11/18-20/2009	107.12	5.42	0.00	101.70	4,700	--	400	--	<68	5	0.7	53	21	<0.5	6.3	LFP
MW-111	2/08-10/2010	107.12	6.79	0.00	100.33	19,000	--	2,700	--	<140	16	1	270	110	<0.5	18.8	LFP
MW-111	5/11-13/2010	107.12	7.25	0.00	99.87	21,000	--	3,400	--	380	10	1	300	110	<1	22.6	LFP
MW-111	08/11/2010	107.12	7.92	0.00	99.20	9,200	--	1,300	--	<700	4	<1	220	55	<1	20.2	LFP
MW-111	11/3-4/2010	107.12	6.12	0.00	101.00	7,000	--	1,700	--	640	4	<1	160	68	<1	29.5	LFP
MW-111	2/3-4/2011	107.12	6.91	0.00	100.21	14,000	--	2,800	--	<340	10	0.9	250	72	<0.5	19.9	LFP
MW-111	05/24/2011	107.12	7.03	0.00	100.09	2,700	--	500	--	130	<0.5	<0.5	65	15	<0.5	2.8	LFP
MW-111	8/23-24/11	107.12	9.16	0.00	97.96	6,900	--	1,600	--	<69	3	<0.5	130	11	<0.5	12.2	LFP
MW-111	11/7-9/2011	107.12	7.85	0.00	99.27	20,000	--	4,700	--	<730	1	<1	140	26	<1	45.8	LFP
MW-111	2/6-8/2012	107.12	6.55	0.00	100.57	5,100	--	690	--	110	5	<0.5	140	<0.5	<0.5	22.1	LFP
MW-111	5/2-4/2012	107.12	6.50	0.00	100.62	4,400	--	420	--	<68	5	0.7	170	23	<0.5	8.9	LFP
MW-111	8/1-3/2012	107.12	7.93	0.00	99.19	6,900	--	620	--	140	0.6	<0.5	<0.5	12	<0.5	22.9	LFP
MW-111	11/26-28/2012	107.12	6.07	0.00	101.05	5,200	--	15,000	--	<3,500	4	<0.5	140	32	<0.5	36.1	LFP
MW-111	2/4-6/2013	107.12	6.53	0.00	100.59	7,500	--	2,300	--	710	<3	<3	120	24	<0.5	17.8	LFP
MW-111	5/6-8/2013	107.12	7.46	0.00	99.66	5,500	--	300	--	<67	2	<0.5	100	13	<0.5	16.6	LFP
MW-111	9/9-13/2013	107.12	7.15	0.00	99.97	5,500	3,600	330	89	<66	1	<0.5	110	39	<0.5	59.4	LFP

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments			
MW-111	11/18-22/2013	107.12	6.42	0.00	100.70	3,300	1,000	370	<66	<66	0.9	<0.5	77	13	<0.5	17.8	LFP			
MW-111	2/4-11/2014	107.12	7.11	0.00	100.01	4,800	1,000	410	<68	<68	1	<0.5	75	7	<0.5	27.3	LFP			
MW-111	6/12-14/2014	107.12	7.70	0.00	99.42	4,200	1,200	380	83	<67	2	<0.5	130	14	<0.5	16.1	LFP			
MW-111	8/18-21/14	107.12	8.07	0.00	99.05	4,700	1,400	310	100	<67	1	<0.5	49	1	<0.5	1.09	LFP			
MW-111	11/19-20/2014	107.12	6.47	0.00	100.65	6,000	1,800	430	320	<69	2	<0.5	120	11	<0.5	45.3	LFP			
MW-111	2/17-20/2015	107.12	6.57	0.00	100.55	3,600	730	230	180	<68	1	<0.5	44	3	<0.5	14.3	LFP			
MW-111	5/11-15/2015	107.12	9.02	0.00	98.10	4,400	1,000	320	<66	<66	1	<0.5	71	5	<0.5	0.0202	LFP			
MW-111	8/10-11/2015	107.12	8.43	0.00	98.69	4,500	2,700	470	93	<67	<3	<3	31	6	<3	12.5	LFP			
MW-111	11/16-18/2015	107.12	4.59	0.00	102.53	1,900	450	150	270	<67	<0.5	<0.5	9	1	<0.5	0.0078	LFP			
MW-111	5/13-14/2016	107.12	8.95	0.00	98.17	4,200	1,200	350	1,600	680	<0.5	<0.5	19	2	--	7.8	LFP			
MW-111	11/14/2016	107.12	--	--	--	--	--	--	WELL FLOODED - UNABLE TO ACCESS									--	--	--
MW-111	05/14/2017	107.12	6.37	0.00	100.75	9,200	1,200	490	1,400	630	1	<0.5	46	3	--	10.3	LFP			
MW-111	11/11-12/2017	107.12	--	--	--	--	--	--	UNABLE TO ACCESS									--	--	--
MW-111	05/11/2018	107.12	7.57	0.00	99.55	6,600	1,400	440	970	400	14	2	45	3	<0.5	13.8	LFP			
MW-111	11/11-12/2018	107.12	7.31	0.00	99.81	4,000	3,300	300	320	<68	3	0.6	33	3	--	92.8	LFP			
MW-111	04/27/2019	107.12	7.11	0.00	100.01	5,800	1,800	900	1,900	1,100	3	0.6 J	29	2 J	--	17.8	LFP			
MW-111	11/03/2019	107.12	7.31	0.00	99.81	4,500	2,100	250	970	400	1	0.3 J	20	2 J	--	49.4	LFP			
MW-111	05/06/2020	107.12	7.60	0.00	99.52	37.8 B J	1,530	739	1,670	1,050	0.824 J	0.394 J	14	1.53 J	--	10.2	--			
MW-111	11/7/2020	107.12	6.45	0.00	100.67	511	1,300	144 B J	2,980	494 B	<1.00	1.15	0.415 J	<3.00	--	1.84 J	--			
MW-111	05/24/2021	107.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PUDDLE			
MW-112	08/22/1995	107.58	8.42	0.00	99.16	480	--	<250	--	<750	--	--	--	--	--	--	--			
MW-112	11/28/1995	107.58	6.73	0.00	100.85	150	--	<250	--	<750	--	--	--	--	--	5.8	--			
MW-112	03/12/1996	107.58	7.43	0.00	100.15	250	--	<250	--	<750	--	--	--	--	--	<2.0	--			
MW-112	06/26/1996	107.58	8.12	0.00	99.46	63.8	--	<250	--	<750	--	--	--	--	--	<2.0	--			
MW-112	10/09/1996	107.58	8.36	0.00	99.22	93.1	--	<250	--	<750	--	--	--	--	--	2.62	--			
MW-112	02/12/1997	107.58	7.11	0.00	100.47	1,250	--	322	7.11	<750	--	--	--	--	--	2.99	--			
MW-112	04/22/1997	107.58	6.85	0.00	100.73	323	--	<250	--	<750	--	--	--	--	--	<2.0	--			
MW-112	08/05/1997	107.58	8.45	0.00	99.13	124	--	<250	--	<750	--	--	--	--	--	<2.0	--			
MW-112	11/11/1997	107.58	7.26	0.00	100.32	112	--	<250	--	<750	--	--	--	--	--	<2.0	--			
MW-112	02/11/1998	107.58	7.25	0.00	100.33	658	--	<250	--	<750	--	--	--	--	--	<2.0	--			
MW-112	05/28/1998	107.58	7.46	0.00	100.12	713	--	315	--	<750	--	--	--	--	--	10.4	--			
MW-112	08/20/1998	107.58	9.64	0.00	97.94	<50	--	<250	--	<750	--	--	--	--	--	<1.0	--			
MW-112	11/19/1998	107.58	8.20	0.00	99.38	367	--	<250	--	<750	--	--	--	--	--	<1.0	--			
MW-112	03/11/1999	107.58	6.79	0.00	100.79	1,370	--	<250	--	<500	--	--	--	--	--	1.42	--			
MW-112	05/25/1999	107.58	7.97	0.00	99.61	<80	--	<250	--	--	--	--	--	--	--	--	--			
MW-112	08/17/1999	107.58	8.51	0.00	99.07	106	--	<250	--	<500	--	--	--	--	--	<1.6	--			
MW-112	11/19/1999	107.58	6.46	0.00	101.12	<80	--	<250	--	--	--	--	--	--	--	<1.0	--			
MW-112	03/09/2000	107.58	6.85	0.00	100.73	<80	--	<250	--	<500	--	--	--	--	--	<1.0	--			
MW-112	06/13/2000	107.58	7.48	0.00	100.10	824	--	<250	--	<500	--	--	--	--	--	2.14	--			
MW-112	09/26/2000	107.58	8.66	0.00	98.92	--	--	<250	--	<500	--	--	--	--	--	<1.0	--			
MW-112	12/13/2000	107.58	8.07	0.00	99.51	<80	--	<250	--	<500	--	--	--	--	--	<1.0	--			
MW-112	02/28/2001	107.58	7.77	0.00	99.81	<80	--	<250	--	<500	--	--	--	--	--	<1.0	--			
MW-112	05/02/2001	107.58	7.31	0.00	100.27	710	--	<250	--	<500	--	--	--	--	--	1.44	--			
MW-112	10/30/2002	107.58	8.95	0.00	98.63	95.7	--	<250	--	<500	<0.500	<0.500	<0.500	<1.00	--	2.63	--			
MW-112	01/23/2003	107.58	7.39	0.00	100.19	178	--	<250	--	<500	<0.500	<0.500	0.730	<1.00	--	<1.0	--			
MW-112	04/18/2003	107.58	7.28	0.00	100.30	93.4	--	<250	--	<500	<0.500	<0.500	<0.500	<1.00	--	<1.0	--			
MW-112	07/11/2003	107.58	8.68	0.00	98.90	<50.0	--	--	--	<0.500	<0.500	<0.500	<1.00	--	--	<1.0	--			
MW-112	10/31/2003	107.58	8.04	0.00	99.54	<50.0	--	<250	--	<500	<0.500	<0.500	<0.500	<1.00	--	<1.0	--			
MW-112	12/30/2003	107.58	6.62	0.00	100.96	<97	--	<50	--	<77	<0.5	<0.5	<0.5	<1.5	--	<1.2	--			
MW-112	05/03/2004	107.58	8.22	0.00	99.36	<50.0	--	<250	--	<500	<0.500	<0.500	<0.500	<1.00	--	<1.0	--			
MW-112	07/20/2004	107.58	8.69	0.00	98.89	<50.0	--	<250	--	<500	<0.500	<0.500	<0.500	<1.00	--	--	--			
MW-112	10/07/2004	107.58	8.06	0.00	99.52	<50	--	<82	--	<100	--	--	--	--	--	--	--			
MW-112	07/18/2005	107.58	8.26	0.00	99.32	<48	--	<77	--	<96	--	--	--	--	--	--	--			
MW-112	10/21/2005	107.58	8.25	0.00	99.33	48	--	<82	--	<100	--	--	--	--	--	--	--			
MW-112	09/05/2007	107.58	8.79	0.00	98.79	<50	--	<79	--	<99	--	--	--	--	--	0.52	--			
MW-112	5/27-28/2008	107.58	8.22	0.00	99.36	<50	--	<80	--	<100	<0.5	<0.5	<0.5	<0.5	<0.5	0.24	LFP			
MW-112	8/27-29/2008	107.58	8.26	0.00	99.32	<50	--	<79	--	<99	<0.5	<0.5	<0.5	<0.5	<0.5	0.92	LFP			

**Table 2. Historical Groundwater Gauging Data and Select Analytical Results**  
**COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556**  
 101 Mulford Road  
 Toledo, Washington



Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
MW-112	11/17-19/2008	107.58	6.87	0.00	100.71	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.057	LFP
MW-112	2/16-18/2009	107.58	7.92	0.00	99.66	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.51	LFP
MW-112	5/4-06/2009	107.58	7.26	0.00	100.32	380	--	120	--	<69	2	<0.5	<0.5	<0.5	<0.5	2.1	LFP
MW-112	8/19-21/2009	107.58	8.67	0.00	98.91	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.27	LFP
MW-112	11/18-20/2009	107.58	5.58	0.00	102.00	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.36	LFP
MW-112	2/8-10/2010	107.58	7.35	0.00	100.23	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.46	LFP
MW-112	5/12-13/2010	107.58	7.77	0.00	99.81	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.58	LFP
MW-112	08/12/2010	107.58	8.45	0.00	99.13	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.29	LFP
MW-112	11/3-4/2010	107.58	6.85	0.00	100.73	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.19	LFP
MW-112	2/3-4/2011	107.58	8.21	0.00	99.37	<50	--	49	--	89	<0.5	<0.5	<0.5	<0.5	<0.5	0.56	LFP
MW-112	05/24/2011	107.58	7.58	0.00	100.00	<50	--	<29	--	270	<0.5	<0.5	<0.5	<0.5	<0.5	0.49	LFP
MW-112	8/23-24/11	107.58	8.52	0.00	99.06	72	--	860	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
MW-112	11/7-9/2011	107.58	8.35	0.00	99.23	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.24	LFP
MW-112	2/6-8/2012	107.58	7.10	0.00	100.48	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.22	LFP
MW-112	5/2-4/2012	107.58	7.20	0.00	100.38	68	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	1.5	LFP
MW-112	8/1-3/2012	107.58	8.45	0.00	99.13	<50	--	<31	--	<72	<0.5	<0.5	<0.5	<0.5	<0.5	0.39	LFP
MW-112	11/26-28/2012	107.58	6.67	0.00	100.91	<50	--	<30	--	<71	<0.5	<0.5	<0.5	<0.5	<0.5	0.14	LFP
MW-112	2/4-6/2013	107.58	7.22	0.00	100.36	50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.64	LFP
MW-112	5/6-8/2013	107.58	8.00	0.00	99.58	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.47	LFP
MW-112	9/9-13/2013	107.58	7.71	0.00	99.87	<50	32	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.85	LFP
MW-112	11/18-22/2013	107.58	6.76	0.00	100.82	68	33	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.58	LFP
MW-112	2/4-11/2014	107.58	7.67	0.00	99.91	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.38	LFP
MW-112	8/18-21/14	107.58	8.63	0.00	98.95	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.36	LFP
MW-112	11/19-20/2014	107.58	7.71	0.00	99.87	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.13	LFP
MW-112	2/17-20/2015	107.58	7.33	0.00	100.25	<50	<30	<30	<69	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.083	LFP
MW-112	5/11-15/2015	107.58	8.19	0.00	99.39	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.460	LFP
MW-112	8/10-11/2015	107.58	8.90	0.00	98.68	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.200	LFP
MW-112	11/16-18/2015	107.58	5.65	0.00	101.93	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.0014	LFP
MW-112	5/13-14/2016	107.58	8.18	0.00	99.40	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	--	<0.13	LFP
MW-112	11/14/2016	107.58	6.90	0.00	100.68	<50	--	56	--	<70	<0.5	<0.5	<0.5	<0.5	--	0.33	LFP
MW-112	05/14/2017	107.58	7.05	0.00	100.53	150	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	--	0.56	LFP
MW-112	11/11-12/2017	107.58	6.99	0.00	100.59	95	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	--	0.27	LFP
MW-112	05/11/2018	107.58	7.82	0.00	99.76	<50	--	59	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.20	LFP
MW-112	11/11-12/2018	107.58	7.81	0.00	99.77	<19	--	<28	--	<66	<0.2	<0.2	<0.4	<1	--	<1.1	LFP
MW-112	04/27/2019	107.58	7.62	0.00	99.96	38 J	--	130	--	98 J	<0.2	<0.4	<1	<1	--	<1.1	LFP
MW-112	11/03/2019	107.58	7.82	0.00	99.76	38 J	--	60 J	--	<68	<0.2	<0.2	<0.4	<1	--	0.25 J	LFP
MW-112	05/06/2020	107.58	7.83	0.00	99.75	42.6 B J	<200	--	<250	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	LFP
MW-112	11/7/2020	107.58	6.94	0.00	100.64	183 B	<200	<200	131 J	<250	<1.00	<1.00	<1.00	<3.00	--	<5.00	LFP
MW-112	05/24/2021	107.58	8.21	0.00	99.37	61.1 B J	72.0 J	72.0 J	<250	<250	<1.00	<1.00	<1.00	<3.00	--	<6.00	
MW-113	08/22/1995	108.44	9.26	0.00	99.18	3,100	--	320	--	<750	--	--	--	--	--	--	--
MW-113	11/28/1995	108.44	7.55	0.00	100.89	180	--	<250	--	<750	--	--	--	--	--	<2.0	--
MW-113	03/12/1996	108.44	8.26	0.00	100.18	750	--	<250	--	<750	--	--	--	--	--	<2.0	--
MW-113	06/26/1996	108.44	8.95	0.00	99.49	809	--	<250	--	<750	--	--	--	--	--	2.43	--
MW-113	10/09/1996	108.44	9.21	0.00	99.23	494	--	<250	--	<750	--	--	--	--	--	2.95	--
MW-113	02/12/1997	108.44	7.93	0.00	100.51	1,600	--	<250	--	<750	--	--	--	--	--	<2.0	--
MW-113	04/22/1997	108.44	7.71	0.00	100.73	748	--	291	--	<750	--	--	--	--	--	<2.0	--
MW-113	08/05/1997	108.44	9.37	0.00	99.07	876	--	<250	--	<750	--	--	--	--	--	<2.0	--
MW-113	11/11/1997	108.44	8.04	0.00	100.40	<50	--	<250	--	<750	--	--	--	--	--	<2.0	--
MW-113	02/11/1998	108.44	8.02	0.00	100.42	76.10	--	<250	--	<750	--	--	--	--	--	<2.0	--
MW-113	05/28/1998	108.44	8.31	0.00	100.13	116	--	<250	--	<750	--	--	--	--	--	6.26	--
MW-113	08/20/1998	108.44	10.48	0.00	97.96	235	--	<250	--	<750	--	--	--	--	--	<1.0	--
MW-113	11/19/1998	108.44	9.02	0.00	99.42	<50	--	<250	--	<750	--	--	--	--	--	<1.0	--
MW-113	03/11/1999	108.44	7.59	0.00	100.85	162	--	<250	--	<750	--	--	--	--	--	<1.0	--
MW-113	05/25/1999	108.44	8.83	0.00	99.61	321	--	<250	--	--	--	--	--	--	--	--	--
MW-113	08/17/1999	108.44	9.34	0.00	99.10	265	--	<250	--	<500	--	--	--	--	--	1.2	--
MW-113	11/19/1999	108.44	7.27	0.00	101.17	<80	--	<250	--	--	--	--	--	--	--	<1.0	--
MW-113	03/09/2000	108.44	7.66	0.00	100.78	96.70	--	<250	--	<500	--	--	--	--	--	<1.0	--

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/SI gal	TPH-HRO	TPH-HRO w/SI gal	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
MW-113	06/13/2000	108.44	8.29	0.00	100.15	154	--	<250	--	<500	--	--	--	--	--	<1.0	
MW-113	09/26/2000	108.44	9.51	0.00	98.93	--	--	<250	--	<500	--	--	--	--	--	<1.0	
MW-113	12/13/2000	108.44	8.91	0.00	99.53	<80	--	<250	--	588	--	--	--	--	--	<1.0	
MW-113	02/28/2001	108.44	8.60	0.00	99.84	<80	--	<250	--	<500	--	--	--	--	--	<1.0	
MW-113	05/02/2001	108.44	8.14	0.00	100.30	<80	--	<250	--	<500	--	--	--	--	--	<1.0	
MW-113	10/30/2002	108.44	9.85	0.00	98.59	<80	--	<250	--	<500	<0.500	<0.500	<0.500	<1.0	--	1.55	
MW-113	01/23/2003	108.44	8.29	0.00	100.15	<80	--	<250	--	<500	<0.500	<0.500	<0.500	<1.0	--	<1.0	
MW-113	04/18/2003	108.44	8.09	0.00	100.35	<50	--	<250	--	<500	<0.500	<0.500	<0.500	<1.0	--	<1.0	
MW-113	07/11/2003	108.44	9.51	0.00	98.93	<50	--	<250	--	<500	<0.500	<0.500	<0.500	<1.0	--	<1.0	
MW-113	10/31/2003	108.44	8.80	0.00	99.64	<50	--	<250	--	<500	<0.500	<0.500	<0.500	<1.0	--	<1.0	
MW-113	12/31/2003	108.44	7.44	0.00	101.00	<97	--	<50	--	<77	<0.5	<0.5	<0.5	<1.5	--	<1.2	
MW-113	05/03/2004	108.44	9.14	0.00	99.30	<50	--	<250	--	<500	<0.500	<0.500	<0.500	<1.0	--	<1.0	
MW-113	07/20/2004	108.44	9.58	0.00	98.86	<50	--	<250	--	<500	<0.500	<0.500	<0.500	<1.0	--	--	
MW-113	10/06/2004	108.44	8.92	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
MW-113	01/27/2005	108.44	8.15	0.00	100.29	<48	--	<84	--	<110	--	--	--	--	--	--	
MW-113	04/12/2005	108.44	7.76	0.00	100.68	<48	--	<88	--	<110	--	--	--	--	--	--	
MW-113	07/18/2005	108.44	9.11	0.00	99.33	<48	--	<79	--	<98	--	--	--	--	--	--	
MW-113	10/26/2005	108.44	9.10	0.00	99.34	<48	--	<82	--	<100	--	--	--	--	--	--	
MW-113	09/05/2007	108.44	9.59	0.00	98.85	<50	--	<82	--	<100	--	--	--	--	--	0.32	
MW-113-DUP	09/05/2007	108.44	9.59	0.00	98.85	<50	--	<82	--	<100	--	--	--	--	--	0.32	
MW-113	5/27-28/2008	108.44	9.02	0.00	99.42	<50	--	<82	--	<100	<0.5	<0.5	<0.5	<0.5	<0.5	0.16	LFP
MW-113	8/27-29/2008	108.44	9.10	0.00	99.34	<50	--	<81	--	<100	<0.5	<0.5	<0.5	<0.5	<0.5	0.19	LFP
MW-113	11/17-19/2008	108.44	7.68	0.00	100.76	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-113	2/16-18/2009	108.44	8.75	0.00	99.69	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.087	LFP
MW-113	5/4-6/2009	108.44	8.28	0.00	100.16	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-113	8/19-21/2009	108.44	9.50	0.00	98.94	<50	--	<31	--	<71	<0.5	<0.5	<0.5	<0.5	<0.5	0.14	LFP
MW-113	11/18-20/2009	108.44	6.39	0.00	102.05	<50	--	<69	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.16	LFP
MW-113	2/8-10/2010	108.44	8.15	0.00	100.29	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-113	5/12-13/2010	108.44	8.60	0.00	99.84	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.093	LFP
MW-113	08/12/2010	108.44	9.29	0.00	99.15	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.077	LFP
MW-113	11/3-4/2010	108.44	7.65	0.00	100.79	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
MW-113	2/3-4/2011	108.44	8.26	0.00	100.18	<50	--	<30	--	<71	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
MW-113	05/24/2011	108.44	8.42	0.00	100.02	<50	--	<30	--	330	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
MW-113	8/23-24/11	108.44	9.32	0.00	99.12	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.096	LFP
MW-113	11/7-9/2011	108.44	9.20	0.00	99.24	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.12	LFP
MW-113	2/6-8/2012	108.44	7.95	0.00	100.49	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
MW-113	5/2-4/2012	108.44	8.00	0.00	100.44	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
MW-113	8/1-3/2012	108.44	9.30	0.00	99.14	<50	--	<31	--	<72	<0.5	<0.5	<0.5	<0.5	<0.5	0.048	LFP
MW-113	11/26-28/2012	108.44	7.49	0.00	100.95	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047	LFP
MW-113	2/4-6/2013	108.44	8.06	0.00	100.38	<50	--	30	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP
MW-113	5/6-8/2013	108.44	8.83	0.00	99.61	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP
MW-113	9/9-13/2013	108.44	8.56	0.00	99.88	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.12	LFP
MW-113	11/18-21/2013	108.44	7.74	0.00	100.70	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.11	LFP
MW-113	2/4-11/2014	108.44	6.56	0.00	101.88	<50	<29	<29	<69	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
MW-113	6/12-14/2014	108.44	8.79	0.00	99.65	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
MW-113	8/18-21/14	108.44	9.39	0.00	99.05	<50	<30	<30	<71	<71	<0.5	<0.5	<0.5	<0.5	<0.5	0.35	LFP
MW-113	11/19-20/2014	108.44	8.59	0.00	99.85	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
MW-113	2/17-20/2015	108.44	8.01	0.00	100.43	<50	<30	<30	<70	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
MW-113	5/11-15/2015	108.44	9.08	0.00	99.36	75	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
MW-113	8/10-11/2015	108.44	9.28	0.00	99.16	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.13	LFP
MW-113	11/16-18/2015	108.44	5.99	0.00	102.45	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.00019	LFP
MW-113	5/13-14/2016	108.44	8.95	0.00	99.49	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	--	<0.13	LFP
MW-113	11/14/2016	108.44	7.73	0.00	100.71	<50	--	57	--	<66	<0.5	<0.5	<0.5	<0.5	--	<0.090	LFP
MW-113	05/14/2017	108.44	7.88	0.00	100.56	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	--	<0.090	LFP
MW-113	11/11-12/2017	108.44	7.81	0.00	100.63	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	--	<0.11	LFP
MW-113	05/11/2018	108.44	8.65	0.00	99.79	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.11	LFP
MW-113	11/11-12/2018	108.44	8.68	0.00	99.76	<19	--	<28	--	<65	<0.2	<0.2	<0.4	<1	--	<1.1	LFP
MW-113	04/27/2019	108.44	8.11	0.00	100.33	<19	--	81 J	--	130 J	<0.2	<0.2	<0.4	<1	--	<1.1	LFP



**Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
101 Mulford Road  
Toledo, Washington**



Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/SI gal	TPH-HRO	TPH-HRO w/SI gal	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments	
MW-113	11/03/2019	108.44	8.65	0.00	99.79	<100	--	100	--	<66	<0.2	<0.2	<0.4	<1	--	0.25 J	LFP	
MW-113	05/06/2020	108.44	8.67	0.00	99.77	<100	<200	--	<250	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	LFP	
MW-113	11/7/2020	108.44	7.77	0.00	100.67	44.4 B J	<200	<200	<250	<250	<1.00	<1.00	<1.00	<3.00	--	0.888 J		
MW-113	05/24/2021	108.44	9.11	0.00	99.33	<100	<200	<200	<250	<250	<1.00	<1.00	<1.00	<3.00	--	<6.00		
MW-114	08/22/1995	106.89	7.47	0.00	99.42	<50	--	<250	--	<750	--	--	--	--	--	--		
MW-114	11/28/1995	106.89	5.83	0.00	101.06	<50	--	<250	--	<750	--	--	--	--	--	<2.0		
MW-114	03/12/1996	106.89	6.39	0.00	100.50	<50	--	<250	--	<750	--	--	--	--	--	<2.0		
MW-114	06/26/1996	106.89	7.11	0.00	99.78	<50	--	<250	--	<750	--	--	--	--	--	<2.0		
MW-114	10/09/1996	106.89	7.42	0.00	99.47	<50	--	<250	--	<750	--	--	--	--	--	<2.0		
MW-114	02/12/1997	106.89	5.47	0.00	101.42	<50	--	<250	--	<750	--	--	--	--	--	<2.0		
MW-114	04/22/1997	106.89	14.30	0.00	92.59	<50	--	<250	--	<750	--	--	--	--	--	<2.0		
MW-114	08/05/1997	106.89	7.65	0.00	99.24	<50	--	<250	--	1,410	--	--	--	--	--	<2.0		
MW-114	11/11/1997	106.89	6.45	0.00	100.44	<50	--	<250	--	<750	--	--	--	--	--	<2.0		
MW-114	02/11/1998	106.89	6.23	0.00	100.66	<50	--	<250	--	<750	--	--	--	--	--	<2.0		
MW-114	05/28/1998	106.89	6.44	0.00	100.45	<50	--	<250	--	<750	--	--	--	--	--	5.91		
MW-114	08/20/1998	106.89	8.75	0.00	98.14	<50	--	<250	--	<750	--	--	--	--	--	<1.0		
MW-114	11/19/1998	106.89	7.05	0.00	99.84	<50	--	<250	--	<750	--	--	--	--	--	<1.0		
MW-114	03/11/1999	106.89	5.90	0.00	100.99	<80	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-114	05/25/1999	106.89	7.10	0.00	99.79	<80	--	<250	--	--	--	--	--	--	--	--		
MW-114	08/17/1999	106.89	7.59	0.00	99.30	<80	--	<250	--	607	--	--	--	--	--	<1.0		
MW-114	11/19/1999	106.89	5.59	0.00	101.30	<80	--	<250	--	--	--	--	--	--	--	<1.0		
MW-114	03/09/2000	106.89	5.98	0.00	100.91	<80	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-114	06/13/2000	106.89	6.04	0.00	100.85	<80	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-114	09/26/2000	106.89	7.81	0.00	99.08	--	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-114	12/13/2000	106.89	7.06	0.00	99.83	--	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-114	02/28/2001	106.89	6.79	0.00	100.10	<80	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-114	05/02/2001	106.89	8.84	0.00	98.05	<80	--	<250	--	1,880	--	--	--	--	--	<1.0		
MW-114	10/30/2002	106.89	8.32	0.00	98.57	115	--	<250	--	1,090	<0.500	<0.500	1.17	5.18	--	1.01		
MW-114	10/31/2003	106.89	6.61	0.00	100.28	<50.0	--	<250	--	<500	<0.500	<0.500	<0.500	<1.0	--	<1.0		
MW-114	12/30/2003	106.89	5.81	0.00	101.08	3,600	--	<50	--	480	<0.5	<0.5	<0.5	<1.5	--	<1.2		
MW-114	10/06/2004	106.89	6.98	0.00	99.91	<50	--	<76	--	<95	--	--	--	--	--	--		
MW-114	10/24/2005	106.89	7.28	0.00	99.61	<48	--	<79	--	<99	--	--	--	--	--	--		
MW-114	09/05/2007	106.89	7.87	0.00	99.02	<50	--	94	--	810	--	--	--	--	--	0.38		
MW-114	5/27-28/2008	106.89	7.19	0.00	99.70	<50	--	<1,600	--	15,000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.14	LFP
MW-114	8/27-29/2008	106.89	7.30	0.00	99.59	<50	--	270	--	2,200	<0.5	<0.5	<0.5	<0.5	<0.5	0.25	LFP	
MW-114	11/17-19/2008	106.89	6.01	0.00	100.88	<50	--	330	--	4,600	<0.5	<0.5	<0.5	<0.5	<0.5	0.13	LFP	
MW-114	2/16-18/2009	106.89	6.91	0.00	99.98	<50	--	210	--	1,900	<0.5	<0.5	<0.5	<0.5	<0.5	0.22	LFP	
MW-114	5/4-6/2009	106.89	6.42	0.00	100.47	<50	--	180	--	1,400	<0.5	<0.5	<0.5	<0.5	<0.5	0.43	LFP	
MW-114	8/19-21/2009	106.89	7.78	0.00	99.11	<50	--	<30	--	<71	<0.5	<0.5	<0.5	<0.5	<0.5	0.79	LFP	
MW-114	11/18-20/2009	106.89	5.10	0.00	101.79	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.34	LFP	
MW-114	2/8-10/2010	106.89	6.38	0.00	100.51	<50	--	110	--	790	<0.5	<0.5	<0.5	<0.5	<0.5	0.19	LFP	
MW-114	5/12-13/2010	106.89	6.71	0.00	100.18	<50	--	<30	--	80	<0.5	<0.5	<0.5	<0.5	<0.5	0.23	LFP	
MW-114	08/11/2010	106.89	7.45	0.00	99.44	<50	--	<29	--	220	<0.5	<0.5	<0.5	<0.5	<0.5	0.15	LFP	
MW-114	11/3-4/2010	106.89	5.88	0.00	101.01	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.24	LFP	
MW-114	2/3-4/2011	106.89	6.48	0.00	100.41	<50	--	60	--	460	<0.5	<0.5	<0.5	<0.5	<0.5	0.10	LFP	
MW-114	05/23/2011	106.89	6.55	0.00	100.34	<50	--	55	--	380	<0.5	<0.5	<0.5	<0.5	<0.5	0.36	LFP	
MW-114	8/23-24/11	106.89	7.70	0.00	99.19	<50	--	130	--	1,500	<0.5	<0.5	<0.5	<0.5	<0.5	0.41	LFP	
MW-114	11/7-9/2011	106.89	7.35	0.00	99.54	<50	--	120	--	950	<0.5	<0.5	<0.5	<0.5	<0.5	0.19	LFP	
MW-114	2/6-8/2012	106.89	6.25	0.00	100.64	<50	--	<29	--	180	<0.5	<0.5	<0.5	<0.5	<0.5	0.088	LFP	
MW-114	5/2-4/2012	106.89	5.95	0.00	100.94	<50	--	<30	--	140	<0.5	<0.5	<0.5	<0.5	<0.5	0.72	LFP	
MW-114	8/1-3/2012	106.89	7.50	0.00	99.39	<50	--	140	--	910	<0.5	<0.5	<0.5	<0.5	<0.5	0.084	LFP	
MW-114	11/26-28/2012	106.89	5.88	0.00	101.01	<50	--	<31	--	<72	<0.5	<0.5	<0.5	<0.5	<0.5	0.19	LFP	
MW-114	2/4-6/2013	106.89	6.27	0.00	100.62	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.13	LFP	
MW-114	5/6-8/2013	106.89	6.97	0.00	99.92	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.20	LFP	
MW-114	9/9-13/2013	106.89	6.96	0.00	99.93	<50	60	<29	260	<67	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	LFP	
MW-114	11/18-22/2013	106.89	8.36	0.00	98.53	<50	99	<29	340	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.10	LFP	
MW-114	2/4-11/2014	106.89	6.56	0.00	100.33	<50	<29	<29	71	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.12	LFP	

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
101 Mulford Road  
Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments	
MW-114	6/12-14/2014	106.89	6.96	0.00	99.93	<50	94	38	820	340	<0.5	<0.5	<0.5	<0.5	<0.5	0.18	LFP	
MW-114	8/18-21/14	106.89	7.57	0.00	99.32	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.10	LFP	
MW-114	11/19-20/2014	106.89	6.75	0.00	100.14	<50	<28	<28	140	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.20	LFP	
MW-114	2/17-20/2015	106.89	6.31	0.00	100.58	<50	<30	<30	<69	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP	
MW-114	5/11-15/2015	106.89	6.89	0.00	100.00	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.55	LFP	
MW-114	8/10-11/2015	106.89	8.03	0.00	98.86	<50	130	<29	570	170	<0.5	<0.5	<0.5	<0.5	<0.5	39.2	LFP	
MW-114	11/16-18/2015	106.89	4.54	0.00	102.35	<50	49	<29	280	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.0145	LFP	
MW-114	5/13-14/2016	106.89	7.97	0.00	98.92	<50	67	35	490	260	<0.5	<0.5	<0.5	<0.5	--	<0.13	LFP	
MW-114	11/14/2016	106.89	5.40	0.00	101.49	<50	220	36	790	280	<0.5	<0.5	<0.5	<0.5	--	2.5	LFP	
MW-114	05/14/2017	106.89	5.93	0.00	100.96	<50	42	38	<67	280	<0.5	<0.5	<0.5	<0.5	--	8.3	LFP	
MW-114	11/11-12/2017	106.89	5.82	0.00	101.07	<50	61	<28	320	<66	<0.5	<0.5	<0.5	<0.5	--	0.45	LFP	
MW-114	05/11/2018	106.89	6.70	0.00	100.19	<50	29	<28	230	98	<0.5	<0.5	<0.5	<0.5	<0.5	0.40	LFP	
MW-114	04/27/2019	106.89	6.80	0.00	100.29	<19	99	<29	300	<66	<0.2	<0.2	<0.4	<1	--	5	LFP	
MW-114	11/03/2019	106.89	6.80	0.00	100.09	<19	110	<30	670	310	<0.2	<0.2	<0.4	<1	--	0.21 J	LFP	
MW-114	05/06/2020	106.89	6.77	0.00	100.12	38.2 B J	<200	--	<250	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	LFP	
MW-114	11/7/2020	106.89	5.95	0.00	100.94	--	--	--	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY							--	--	LFP
MW-114	05/24/2021	106.89	7.26	0.00	99.63	<100	<200	<200	83.9 J	83.9 J	<1.00	<1.00	<1.00	<3.00	--	<6.00	LFP	
MW-115	08/22/1995	107.94	8.79	0.00	99.15	1,800	--	<250	--	<750	--	--	--	--	--	--	--	
MW-115	11/28/1995	107.94	7.05	0.00	100.89	460	--	<250	--	<750	--	--	--	--	--	<2.0	--	
MW-115	03/12/1996	107.94	7.76	0.00	100.18	630	--	<250	--	<750	--	--	--	--	--	<2.0	--	
MW-115	06/26/1996	107.94	8.45	0.00	99.49	706	--	<250	--	<750	--	--	--	--	--	<2.0	--	
MW-115	10/09/1996	107.94	8.71	0.00	99.23	722	--	<250	--	<750	--	--	--	--	--	2.54	--	
MW-115	02/12/1997	107.94	7.48	0.00	100.46	58	--	<250	--	<750	--	--	--	--	--	<2.0	--	
MW-115	04/22/1997	107.94	7.25	0.00	100.69	<50	--	<250	--	<750	--	--	--	--	--	<2.0	--	
MW-115	08/05/1997	107.94	8.77	0.00	99.17	611	--	<250	--	<750	--	--	--	--	--	2.0	--	
MW-115	11/11/1997	107.94	7.71	0.00	100.23	57	--	<250	--	<750	--	--	--	--	--	<2.0	--	
MW-115	02/11/1998	107.94	7.72	0.00	100.22	89.5	--	<250	--	<750	--	--	--	--	--	<2.0	--	
MW-115	05/28/1998	107.94	7.92	0.00	100.02	<50	--	<250	--	<750	--	--	--	--	--	8.08	--	
MW-115	08/20/1998	107.94	9.18	0.00	98.76	155	--	<250	--	<750	--	--	--	--	--	<1.0	--	
MW-115	11/19/1998	107.94	8.58	0.00	99.36	<50	--	<250	--	<750	--	--	--	--	--	<1.0	--	
MW-115	03/11/1999	107.94	7.12	0.00	100.82	<80	--	<250	--	<750	--	--	--	--	--	<1.0	--	
MW-115	05/25/1999	107.94	8.33	0.00	99.61	<80	--	<250	--	--	--	--	--	--	--	--	--	
MW-115	08/17/1999	107.94	8.87	0.00	99.07	163	--	<250	--	<500	--	--	--	--	--	1.4	--	
MW-115	11/19/1999	107.94	6.82	0.00	101.12	<80	--	<250	--	--	--	--	--	--	--	<1.0	--	
MW-115	03/09/2000	107.94	7.20	0.00	100.74	103	--	<250	--	<500	--	--	--	--	--	<1.0	--	
MW-115	06/13/2000	107.94	7.82	0.00	100.12	<80	--	--	--	--	--	--	--	--	--	<1.0	--	
MW-115	09/26/2000	107.94	9.02	0.00	98.92	--	--	<250	--	<500	--	--	--	--	--	1.02	--	
MW-115	12/13/2000	107.94	8.43	0.00	99.51	313	--	<250	--	<500	--	--	--	--	--	<1.0	--	
MW-115	02/28/2001	107.94	8.13	0.00	99.81	177	--	<250	--	<500	--	--	--	--	--	<1.0	--	
MW-115	05/02/2001	107.94	10.37	0.00	97.57	162	--	<250	--	<500	--	--	--	--	--	<1.0	--	
MW-115	10/30/2002	107.94	9.33	0.00	98.61	175	--	<250	--	<500	<0.500	<0.500	<0.500	<1.0	--	4.36	--	
MW-115	10/31/2003	107.94	8.30	0.00	99.64	78.9	--	<250	--	<500	<0.500	<0.500	<0.500	<1.0	--	<1.0	--	
MW-115	12/31/2003	107.94	6.98	0.00	100.96	<99	--	<50	<79	<0.5	<0.5	<0.5	<0.5	<1.5	--	<1.2	--	
MW-115	10/06/2004	107.94	8.43	0.00	99.51	<50	--	<160	--	<200	--	--	--	--	--	--	--	
MW-115	10/21/2005	107.94	8.67	0.00	99.27	<48	--	<81	--	<100	--	--	--	--	--	--	--	
MW-115-DUP	10/21/2005	107.94	8.67	0.00	99.27	<48	--	<82	--	<100	--	--	--	--	--	--	--	
MW-115	09/05/2007	107.94	9.11	0.00	98.83	<50	--	<76	--	<95	--	--	--	--	--	0.37	--	
MW-115	8/27-29/2008	107.94	8.63	0.00	99.31	<50	--	<82	--	<100	<0.5	<0.5	<0.5	<0.5	<0.5	0.35	LFP	
MW-115	11/17-19/2008	107.94	7.25	0.00	100.69	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.097	LFP	
MW-115	2/16-18/2009	107.94	8.31	0.00	99.63	<50	--	<31	--	<71	<0.5	<0.5	<0.5	<0.5	<0.5	0.17	LFP	
MW-115	5/4-6/2009	107.94	7.66	0.00	100.28	<50	--	42	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.36	LFP	
MW-115	8/19-21/2009	107.94	9.04	0.00	98.90	<50	--	320	--	2,700	<0.5	<0.5	<0.5	<0.5	<0.5	0.64	LFP	
MW-115	10/19/2009	107.94	8.70	0.00	99.24	--	--	<29	--	<68	--	--	--	--	--	--	LFP	
MW-115	11/18-20/2009	107.94	5.85	0.00	102.09	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.92	LFP	
MW-115	2/8-10/2010	107.94	7.69	0.00	100.25	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.17	LFP	
MW-115	5/12-13/2010	107.94	8.14	0.00	99.80	<50	--	30	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.20	LFP	
MW-115	08/12/2010	107.94	8.81	0.00	99.13	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.92	LFP	

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
MW-115	11/3-4/2010	107.94	7.07	0.00	100.87	70	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.83	LFP
MW-115	2/3-4/2011	107.94	7.81	0.00	100.13	<50	--	33	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.11	LFP
MW-115	05/24/2011	107.94	7.95	0.00	99.99	<50	--	42	--	220	<0.5	<0.5	<0.5	<0.5	<0.5	0.53	LFP
MW-115	8/23-24/11	107.94	9.05	0.00	98.89	73	--	68	--	74	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	LFP
MW-115	11/7-9/2011	107.94	8.70	0.00	99.24	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.60	LFP
MW-115	2/6-8/2012	107.94	7.55	0.00	100.39	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
MW-115	5/2-4/2012	107.94	7.55	0.00	100.39	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
MW-115	8/1-3/2012	107.94	8.82	0.00	99.12	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.63	LFP
MW-115	11/26-28/2012	107.94	7.04	0.00	100.90	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.052	LFP
MW-115	2/4-6/2013	107.94	7.58	0.00	100.36	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP
MW-115	5/6-8/2013	107.94	8.34	0.00	99.60	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.41	LFP
MW-115	9/9-13/2013	107.94	8.09	0.00	99.85	<50	31	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.89	LFP
MW-115	11/18-21/2013	107.94	7.45	0.00	100.49	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.45	LFP
MW-115	2/4-11/2014	107.94	8.05	0.00	99.89	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.43	LFP
MW-115	8/18-21/14	107.94	8.88	0.00	99.06	66	36	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.82	LFP
MW-115	11/19-20/2014	107.94	8.07	0.00	99.87	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.28	LFP
MW-115	2/17-20/2015	107.94	7.57	0.00	100.37	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
MW-115	5/11-15/2015	107.94	8.33	0.00	99.61	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.60	LFP
MW-115	8/10-11/2015	107.94	9.28	0.00	98.66	<50	33	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.71	LFP
MW-115	11/16-18/2015	107.94	6.53	0.00	101.41	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.00	LFP
MW-115	5/13-14/2016	107.94	8.48	0.00	99.46												
MW-115	11/14/2016	107.94	7.35	0.00	100.59												
MW-115	05/14/2017	107.94	7.44	0.00	100.50												
MW-115	11/11-12/2017	107.94	7.37	0.00	100.57												
MW-115	05/11/2018	107.94	8.20	0.00	99.74												
MW-115	11/11-12/2018	107.94	8.31	0.00	99.63												
MW-115	04/27/2019	107.94	7.49	0.00	100.45												
MW-115	11/03/2019	107.94	8.20	0.00	99.74												
MW-115	Nov 2019	107.94	--	--	--												
WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY																	
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WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY																	
WELL ABANDONED																	
MW-116	08/22/1995	107.56	8.82	0.00	98.74	<50	--	<250	--	<750	--	--	--	--	--	--	--
MW-116	03/12/1996	107.56	8.08	0.00	99.48	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-116	10/09/1996	107.56	8.69	0.00	98.87	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-116	02/12/1997	107.56	7.86	0.00	99.70	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-116	04/22/1997	107.56	7.65	0.00	99.91	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-116	08/05/1997	107.56	8.71	0.00	98.85	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-116	11/11/1997	107.56	8.07	0.00	99.49	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-116	02/11/1998	107.56	8.06	0.00	99.50	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-116	05/28/1998	107.56	8.25	0.00	99.31	<50	--	<250	--	<750	--	--	--	--	--	--	4.66
MW-116	08/20/1998	107.56	9.05	0.00	98.51	<50	--	<250	--	<750	--	--	--	--	--	--	<1.0
MW-116	11/19/1998	107.56	9.16	0.00	98.40	<50	--	<250	--	<750	--	--	--	--	--	--	<1.0
MW-116	03/11/1999	107.56	7.64	0.00	99.92	<80	--	<250	--	<750	--	--	--	--	--	--	<1.0
MW-116	05/25/1999	107.56	8.40	0.00	99.16	<80	--	<250	--	--	--	--	--	--	--	--	--
MW-116	08/17/1999	107.56	8.78	0.00	98.78	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-116	11/19/1999	107.56	7.60	0.00	99.96	<80	--	<250	--	--	--	--	--	--	--	--	<1.0
MW-116	03/09/2000	107.56	7.70	0.00	99.86	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-116	06/13/2000	107.56	8.37	0.00	99.19	<80	--	--	--	--	--	--	--	--	--	--	<1.0
MW-116	09/26/2000	107.56	8.88	0.00	98.68	--	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-116	12/13/2000	107.56	8.52	0.00	99.04	--	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-116	02/28/2001	107.56	8.25	0.00	99.31	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-116	05/02/2001	107.56	10.84	0.00	96.72	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-116	12/30/2003	107.56	7.54	0.00	100.02	<99	--	<50	--	<79	<0.5	<0.5	<0.5	<1.5	--	--	<1.2
MW-116	07/20/2004	107.56	8.92	0.00	98.64	<50	--	<284	--	<568	<0.500	<0.500	<0.500	<1.00	--	--	--
MW-116	10/07/2004	107.56	7.54	0.00	100.02	<50	--	<75	--	<94	--	--	--	--	--	--	--
MW-116	10/20/2005	107.56	8.73	0.00	98.83	<48	--	<81	--	<100	--	--	--	--	--	--	--
MW-116	09/06/2007	107.56	9.00	0.00	98.56	<50	--	<76	--	<95	--	--	--	--	--	--	0.15
MW-116	8/27-29/2008	107.56	8.68	0.00	98.88	<50	--	89	--	<100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-116	11/17-19/2008	107.56	7.93	0.00	99.63	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/SI gel	TPH-HRO	TPH-HRO w/SI gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments	
MW-116	2/16-18/2009	107.56	8.45	0.00	99.11	<50	--	590	--	350	<0.5	<0.5	<0.5	<0.5	<0.5	0.11	LFP	
MW-116	5/4-6/2009	107.56	8.20	0.00	99.36	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP	
MW-116	8/19-21/2009	107.56	8.91	0.00	98.65	<50	--	34	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP	
MW-116	11/18-20/2009	107.56	6.85	0.00	100.71	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.11	LFP	
MW-116	2/8-10/2010	107.56	8.07	0.00	99.49	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.10	LFP	
MW-116	08/12/2010	107.56	8.78	0.00	98.78	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.15	LFP	
MW-116	11/3-4/2010	107.56	8.04	0.00	99.52	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP	
MW-116	2/3-4/2011	107.56	8.16	0.00	99.40	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP	
MW-116	05/24/2011	107.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-116	8/23-24/11	107.56	9.00	0.00	98.56	<50	--	<31	--	<71	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP	
MW-116	11/7-9/2011	107.56	8.75	0.00	98.81	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP	
MW-116	2/6-8/2012	107.56	8.05	0.00	99.51	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP	
MW-116	5/2-4/2012	107.56	8.10	0.00	99.46	<50	--	<29	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP	
MW-116	8/1-3/2012	107.56	8.80	0.00	98.76	<50	--	<30	--	<71	<0.5	<0.5	<0.5	<0.5	<0.5	<0.034	LFP	
MW-116	11/26-28/2012	107.56	7.84	0.00	99.72	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047	LFP	
MW-116	2/4-6/2013	107.56	8.04	0.00	99.52	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP	
MW-116	5/6-8/2013	107.56	8.51	0.00	99.05	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP	
MW-116	9/9-13/2013	107.56	8.61	0.00	98.95	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP	
MW-116	11/18-21/2013	107.56	8.15	0.00	99.41	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.10	LFP	
MW-116	2/4-11/2014	107.56	8.28	0.00	99.28	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP	
MW-116	8/18-21/14	107.56	8.83	0.00	98.73	68	38	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.78	LFP	
MW-116	11/19-20/2014	107.56	8.38	0.00	99.18	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP	
MW-116	2/17-20/2015	107.56	8.08	0.00	99.48	<50	<30	<30	<69	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.17	LFP	
MW-116	5/11-15/2015	107.56	8.71	0.00	98.85	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP	
MW-116	8/10-11/2015	107.56	9.17	0.00	98.39	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.42	LFP	
MW-116	11/16-18/2015	107.56	7.37	0.00	100.19	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.0062	LFP	
MW-116	5/13-14/2016	107.56	8.59	0.00	98.97				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-116	11/14/2016	107.56	8.06	0.00	99.50				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-116	05/14/2017	107.56	8.07	0.00	99.49				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-116	11/11-12/2017	107.56	8.14	0.00	99.42				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-116	05/11/2018	107.56	8.43	0.00	99.13				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-116	11/11-12/2018	107.56	9.04	0.00	98.52				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-116	04/27/2019	107.56	8.30	0.00	99.26				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-116	11/03/2019	107.56	8.48	0.00	99.08				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-116	Nov 2019	107.56	--	--	--				WELL ABANDONED									
MW-117	08/22/1995	106.57	7.45	0.00	99.12	<50	--	<250	--	<750	--	--	--	--	--	--	--	
MW-117	11/28/1995	106.57	5.45	0.00	101.12	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0	
MW-117	03/12/1996	106.57	6.32	0.00	100.25	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0	
MW-117	06/26/1996	106.57	7.18	0.00	99.39	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0	
MW-117	10/09/1996	106.57	7.42	0.00	99.15	<50	--	<250	--	<750	--	--	--	--	--	--	7.1	
MW-117	02/12/1997	106.57	5.93	0.00	100.64	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0	
MW-117	04/22/1997	106.57	5.78	0.00	100.79	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0	
MW-117	08/05/1997	106.57	7.58	0.00	98.99	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0	
MW-117	11/11/1997	106.57	6.21	0.00	100.36	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0	
MW-117	02/11/1998	106.57	6.21	0.00	100.36	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0	
MW-117	05/28/1998	106.57	6.44	0.00	100.13	<50	--	<250	--	<750	--	--	--	--	--	--	2.68	
MW-117	08/20/1998	106.57	7.90	0.00	98.67	<50	--	<250	--	<750	--	--	--	--	--	--	<1.0	
MW-117	11/19/1998	106.57	7.18	0.00	99.39	<50	--	<250	--	<750	--	--	--	--	--	--	<1.0	
MW-117	03/11/1999	106.57	5.51	0.00	101.06	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0	
MW-117	05/25/1999	106.57	7.00	0.00	99.57	<80	--	<250	--	--	--	--	--	--	--	--	--	
MW-117	08/17/1999	106.57	7.56	0.00	99.01	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0	
MW-117	11/19/1999	106.57	5.11	0.00	101.46	<80	--	<250	--	--	--	--	--	--	--	--	<1.0	
MW-117	03/09/2000	106.57	5.65	0.00	100.92	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0	
MW-117	06/13/2000	106.57	6.25	0.00	100.32	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0	
MW-117	09/26/2000	106.57	7.70	0.00	98.87	--	--	<250	--	<500	--	--	--	--	--	--	<1.0	
MW-117	12/13/2000	106.57	7.11	0.00	99.46	--	--	<250	--	<500	--	--	--	--	--	--	<1.0	
MW-117	02/28/2001	106.57	6.78	0.00	99.79	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0	

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
MW-117	05/02/2001	106.57	8.90	0.00	97.67	<80	--	<250	--	<500	--	--	--	--	--	<1.0	
MW-117	12/30/2003	106.57	5.46	0.00	101.11	<100	--	<50	--	<80	<0.5	<0.5	<0.5	<1.5	--	<1.2	
MW-117	10/06/2004	106.57	7.07	0.00	99.50	<50	--	<79	--	<98	--	--	--	--	--	--	
MW-117	10/21/2005	106.57	7.33	0.00	99.24	<48	--	<81	--	<100	--	--	--	--	--	--	
MW-117	09/05/2007	106.57	7.92	0.00	98.65	<50	--	<82	--	<100	--	--	--	--	--	0.22	
MW-117	5/27-28/2008	106.57	7.42	0.00	99.15	<50	--	<80	--	<100	<0.5	<0.5	<0.5	<0.5	<0.5	0.056	LFP
MW-117	8/27-29/2008	106.57	7.38	0.00	99.19	<50	--	<82	--	<100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-117	11/17-19/2008	106.57	5.90	0.00	100.67	<50	--	55	--	<72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-117	2/16-18/2009	106.57	7.06	0.00	99.51	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.095	LFP
MW-117	5/4-6/2009	106.57	6.51	0.00	100.06	<50	--	38	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-117	8/19-21/2009	106.57	7.82	0.00	98.75	<50	--	40	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.073	LFP
MW-117	11/18-20/2009	106.57	3.85	0.00	102.72	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-117	2/8-10/2010	106.57	6.43	0.00	100.14	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-117	5/12-13/2010	106.57	6.96	0.00	99.61	<50	--	36	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-117	08/12/2010	106.57	7.68	0.00	98.89	<50	--	<29	--	210	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
MW-117	11/3-4/2010	106.57	5.97	0.00	100.60	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
MW-117	2/3-4/2011	106.57	6.5	0.00	100.07	<50	--	<31	--	<72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
MW-117	05/24/2011	106.57	6.77	0.00	99.80	<50	--	<30	--	150	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
MW-117	8/23-24/11	106.57	7.85	0.00	98.72	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.15	LFP
MW-117	11/7-9/2011	106.57	7.55	0.00	99.02	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
MW-117	2/6-8/2012	106.57	6.20	0.00	100.37	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
MW-117	5/2-4/2012	106.57	6.00	0.00	100.57	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
MW-117	8/1-3/2012	106.57	7.66	0.00	98.91	<50	--	<32	--	<75	<0.5	<0.5	<0.5	<0.5	<0.5	<0.034	LFP
MW-117	11/26-28/2012	106.57	5.60	0.00	100.97	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047	LFP
MW-117	2/4-6/2013	106.57	6.29	0.00	100.28	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP
MW-117	5/6-8/2013	106.57	7.18	0.00	99.39	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP
MW-117	9/9-13/2013	106.57	8.11	0.00	98.46	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
MW-117	11/18-21/2013	106.57	5.99	0.00	100.58	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
MW-117	2/4-11/2014	106.57	6.85	0.00	99.72	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
MW-117	6/12-14/2014	106.57	7.11	0.00	99.46	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
MW-117	8/18-21/14	106.57	7.71	0.00	98.86	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.37	LFP
MW-117	11/19-20/2014	106.57	6.91	0.00	99.66	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
MW-117	2/17-20/2015	106.57	6.26	0.00	100.31	<50	<29	<29	<69	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
MW-117	5/11-15/2015	106.57	6.91	0.00	99.66	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
MW-117	8/10-11/2015	106.57	8.10	0.00	98.47	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	1.10	LFP
MW-117	11/16-18/2015	106.57	3.89	0.00	102.68	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.0021	LFP
MW-117	5/13-14/2016	106.57	7.38	0.00	99.19												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-117	11/14/2016	106.57	5.60	0.00	100.97												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-117	05/14/2017	106.57	6.10	0.00	100.47												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-117	11/11-12/2017	106.57	6.16	0.00	100.41												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-117	05/11/2018	106.57	7.04	0.00	99.53												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-117	11/11-12/2018	106.57	6.58	0.00	99.99												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-117	04/27/2019	106.57	6.82	0.00	99.75												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-117	11/03/2019	106.57	7.09	0.00	99.48												WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-117	Nov 2019	106.57	--	--	--												WELL ABANDONED
MW-118	08/22/1995	106.72	7.87	0.00	98.85	<50	--	470	--	<750	--	--	--	--	--	--	
MW-118	11/28/1995	106.72	5.76	0.00	100.96	<50	--	<250	--	<750	--	--	--	--	--	<2.0	
MW-118	03/12/1996	106.72	6.67	0.00	100.05	<50	--	<250	--	<750	--	--	--	--	--	<2.0	
MW-118	06/26/1996	106.72	7.51	0.00	99.21	<50	--	<250	--	<750	--	--	--	--	--	<2.0	
MW-118	10/09/1996	106.72	7.78	0.00	98.94	50.1	--	<250	--	<750	--	--	--	--	--	<2.0	
MW-118	02/12/1997	106.72	6.35	0.00	100.37	<50	--	<250	--	<750	--	--	--	--	--	<2.0	
MW-118	04/22/1997	106.72	5.98	0.00	100.74	<50	--	<250	--	<750	--	--	--	--	--	<2.0	
MW-118	08/05/1997	106.72	7.85	0.00	98.87	<50	--	<250	--	<750	--	--	--	--	--	<2.0	
MW-118	11/11/1997	106.72	6.52	0.00	100.20	<50	--	<250	--	<750	--	--	--	--	--	<2.0	
MW-118	02/11/1998	106.72	6.56	0.00	100.16	<50	--	<250	--	<750	--	--	--	--	--	<2.0	
MW-118	05/28/1998	106.72	6.85	0.00	99.87	<50	--	<250	--	<750	--	--	--	--	--	2.84	
MW-118	08/20/1998	106.72	7.26	0.00	99.46	<50	--	<250	--	<750	--	--	--	--	--	<1.0	

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 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments	
MW-118	11/19/1998	106.72	7.70	0.00	99.02	<50	--	<250	--	<750	--	--	--	--	--	<1.0		
MW-118	03/11/1999	106.72	5.81	0.00	100.91	<80	--	<250	--	<750	--	--	--	--	--	<1.0		
MW-118	05/25/1999	106.72	7.39	0.00	99.33	<80	--	<250	--	--	--	--	--	--	--	--		
MW-118	08/17/1999	106.72	7.95	0.00	98.77	<80	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-118	11/19/1999	106.72	5.53	0.00	101.19	<80	--	<250	--	--	--	--	--	--	--	<1.0		
MW-118	03/09/2000	106.72	5.99	0.00	100.73	<80	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-118	06/13/2000	106.72	7.08	0.00	99.64	<80	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-118	09/26/2000	106.72	8.07	0.00	98.65	--	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-118	12/13/2000	106.72	7.53	0.00	99.19	--	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-118	02/28/2001	106.72	7.17	0.00	99.55	<80	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-118	05/02/2001	106.72	6.81	0.00	99.91	<80	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-118	12/30/2003	106.72	5.71	0.00	101.01	<500	--	<50	--	<400	<0.5	<0.5	<0.5	<1.5	--	<1.2		
MW-118	07/20/2004	106.72	8.14	0.00	98.58	<50	--	<250	--	<500	<0.500	<0.500	<0.500	<1.00	--	--		
MW-118	10/07/2004	106.72	7.55	0.00	99.17	<50	--	<76	--	<96	--	--	--	--	--	--		
MW-118-DUP	10/07/2004	106.72	7.55	0.00	99.17	<50	--	<80	--	160	--	--	--	--	--	--		
MW-118	10/20/2005	106.72	7.78	0.00	98.94	<48	--	<83	--	<100	--	--	--	--	--	--		
MW-118	09/05/2007	106.72	8.20	0.00	98.52	<50	--	980	--	710	--	--	--	--	--	0.13		
MW-118	8/27-29/2008	106.72	7.64	0.00	99.08	<50	--	260	--	230	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP	
MW-118	11/17-19/2008	106.72	6.20	0.00	100.52	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP	
MW-118	2/16-18/2009	106.72	7.29	0.00	99.43	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.068	LFP	
MW-118	5/4-6/2009	106.72	6.70	0.00	100.02	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP	
MW-118	8/19-21/2009	106.72	8.04	0.00	98.68	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.23	LFP
MW-118	11/18-20/2009	106.72	4.45	0.00	102.27	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP	
MW-118	2/8-10/2010	106.72	6.65	0.00	100.07	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP	
MW-118	5/12-13/2010	106.72	7.21	0.00	99.51	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP	
MW-118	08/12/2010	106.72	7.90	0.00	98.82	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP	
MW-118	11/3-4/2010	106.72	6.39	0.00	100.33	<50	--	<29	--	160	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP	
MW-118	2/3-4/2011	106.72	6.77	0.00	99.95	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP	
MW-118	8/23-24/11	106.72	8.15	0.00	98.57	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP	
MW-118	11/7-9/2011	106.72	7.80	0.00	98.92	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP	
MW-118	2/6-8/2012	106.72	6.50	0.00	100.22	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP	
MW-118	5/2-4/2012	106.72	5.85	0.00	100.87	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP	
MW-118	8/1-3/2012	106.72	7.87	0.00	98.85	<50	--	97	--	230	<0.5	<0.5	<0.5	<0.5	<0.5	0.042	LFP	
MW-118	11/26-28/2012	106.72	5.84	0.00	100.88	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047	LFP	
MW-118	2/4-6/2013	106.72	6.57	0.00	100.15	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP	
MW-118	5/6-8/2013	106.72	7.47	0.00	99.25	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP	
MW-118	9/9-13/2013	106.72	7.28	0.00	99.44	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP	
MW-118	11/18-21/2013	106.72	6.57	0.00	100.15	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.15	LFP	
MW-118	2/4-11/2014	106.72	7.02	0.00	99.70	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP	
MW-118	8/18-21/14	106.72	7.92	0.00	98.80	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.41	LFP	
MW-118	11/19-20/2014	106.72	7.15	0.00	99.57	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP	
MW-118	2/17-20/2015	106.72	6.54	0.00	100.18	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.083	LFP	
MW-118	5/11-15/2015	106.72	8.93	0.00	97.79	<50	69	75	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.170	LFP	
MW-118	8/10-11/2015	106.72	8.27	0.00	98.45	<50	28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.13	LFP	
MW-118	11/16-18/2015	106.72	4.69	0.00	102.03	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.0067	LFP	
MW-118	5/13-14/2016	106.72	7.61	0.00	99.11	--	--	--	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-118	11/14/2016	106.72	6.36	0.00	100.36	--	--	--	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-118	05/14/2017	106.72	6.50	0.00	100.22	--	--	--	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-118	11/11-12/2017	106.72	6.52	0.00	100.20	--	--	--	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-118	05/11/2018	106.72	7.31	0.00	99.41	--	--	--	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-118	11/11-12/2018	106.72	7.34	0.00	99.38	--	--	--	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-118	04/27/2019	106.72	7.05	0.00	99.67	--	--	--	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-118	11/03/2019	106.72	7.66	0.00	99.06	--	--	--	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-118	Nov 2019	106.72	--	--	--	--	--	--	WELL ABANDONED									
MW-119	08/22/1995	108.35	9.22	0.00	99.13	<50	--	<250	--	<750	--	--	--	--	--	--		
MW-119	11/28/1995	108.35	7.54	0.00	100.81	100	--	<250	--	<750	--	--	--	--	--	<2.0		
MW-119	03/12/1996	108.35	8.21	0.00	100.14	240	--	<250	--	<750	--	--	--	--	--	2.2		

**Table 2. Historical Groundwater Gauging Data and Select Analytical Results**  
**COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556**  
 101 Mulford Road  
 Toledo, Washington



Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Sl gel	TPH-HRO	TPH-HRO w/Sl gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments	
MW-119	06/26/1996	108.35	8.91	0.00	99.44	174	--	<250	--	<750	--	--	--	--	--	<2.0		
MW-119	10/09/1996	108.35	9.14	0.00	99.21	78	--	<250	--	<750	--	--	--	--	--	<2.16		
MW-119	02/12/1997	108.35	7.84	0.00	100.51	<50	--	<250	--	<750	--	--	--	--	--	<2.0		
MW-119	04/22/1997	108.35	7.67	0.00	100.68	<50	--	<250	--	<750	--	--	--	--	--	<2.0		
MW-119	08/05/1997	108.35	9.15	0.00	99.20	53.6	--	<250	--	<750	--	--	--	--	--	<2.0		
MW-119	11/11/1997	108.35	8.02	0.00	100.33	<50	--	264	--	<750	--	--	--	--	--	<2.0		
MW-119	02/11/1998	108.35	8.02	0.00	100.33	<50	--	<250	--	<750	--	--	--	--	--	<2.0		
MW-119	05/28/1998	108.35	8.20	0.00	100.15	102	--	<250	--	<750	--	--	--	--	--	3.33		
MW-119	08/20/1998	108.35	10.40	0.00	97.95	<50	--	<250	--	<750	--	--	--	--	--	<1.0		
MW-119	11/19/1998	108.35	8.98	0.00	99.37	78.5	--	<250	--	<750	--	--	--	--	--	1.82		
MW-119	03/11/1999	108.35	7.61	0.00	100.74	<80	--	<250	--	<750	--	--	--	--	--	<1.0		
MW-119	05/25/1999	108.35	8.77	0.00	99.58	<80	--	<250	--	--	--	--	--	--	--	--		
MW-119	08/17/1999	108.35	9.29	0.00	99.06	<80	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-119	11/19/1999	108.35	7.25	0.00	101.10	<80	--	<250	--	--	--	--	--	--	--	<1.0		
MW-119	03/09/2000	108.35	7.63	0.00	100.72	<80	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-119	06/13/2000	108.35	8.28	0.00	100.07	413	--	<250	--	<500	--	--	--	--	--	2.64		
MW-119	09/26/2000	108.35	9.44	0.00	98.91	--	--	<250	--	<500	--	--	--	--	--	<1.0		
MW-119	12/13/2000	108.35	8.86	0.00	99.49	--	--	<250	--	<500	--	--	--	--	--	1.79		
MW-119	02/28/2001	108.35	8.56	0.00	99.79	227	--	<250	--	<500	--	--	--	--	--	2.64		
MW-119	05/02/2001	108.35	8.10	0.00	100.25	104	--	<250	--	<500	--	--	--	--	--	1.56		
MW-119	10/30/2002	108.35	9.76	0.00	98.59	<80	--	<250	--	<500	<0.500	<0.500	<0.500	<1.00	--	4.2		
MW-119	10/31/2003	108.35	8.62	0.00	99.73	<50	--	<250	--	<500	<0.500	<0.500	<0.500	<1.00	--	1.315		
MW-119	12/30/2003	108.35	7.40	0.00	100.95	<96	--	<50	--	<77	<0.5	<0.5	<0.5	<1.5	--	<1.2		
MW-119	10/07/2004	108.35	8.85	0.00	99.50	<50	--	<98	--	<98	--	--	--	--	--	--		
MW-119	10/20/2005	108.35	9.08	0.00	99.27	<48	--	<80	--	<100	--	--	--	--	--	--		
MW-119	09/05/2007	108.35	9.53	0.00	98.82	<50	--	<800	--	<1,000	--	--	--	--	--	0.57		
MW-119	8/27-29/2008	108.35	9.05	0.00	99.30	<50	--	<79	--	<99	<0.5	<0.5	<0.5	<0.5	<0.5	0.52	LFP	
MW-119	11/17-19/2008	108.35	7.65	0.00	100.70	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.29	LFP	
MW-119	2/16-18/2009	108.35	8.70	0.00	99.65	<50	--	45	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.44	LFP	
MW-119	5/4-6/2009	108.35	8.06	0.00	100.29	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.74	LFP	
MW-119	8/19-21/2009	108.35	9.45	0.00	98.90	<50	--	36	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.25	LFP	
MW-119	11/18-20/2009	108.35	6.41	0.00	101.94	150	--	32	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	1	LFP	
MW-119	2/8-10/2010	108.35	8.11	0.00	100.24	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.33	LFP	
MW-119	5/12-13/2010	108.35	8.56	0.00	99.79	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.69	LFP	
MW-119	08/12/2010	108.35	9.22	0.00	99.13	<50	--	<30	--	70	<0.5	<0.5	<0.5	<0.5	<0.5	0.36	LFP	
MW-119	11/3-4/2010	108.35	7.52	0.00	100.83	<50	--	38	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	LFP	
MW-119	2/3-4/2011	108.35	8.22	0.00	100.13	<50	--	30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.30	LFP	
MW-119	05/24/2011	108.35	8.37	0.00	99.98	<50	--	30	--	210	<0.5	<0.5	<0.5	<0.5	<0.5	0.49	LFP	
MW-119	11/7-9/2011	108.35	9.10	0.00	99.25	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.34	LFP	
MW-119	2/6-8/2012	108.35	7.90	0.00	100.45	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP	
MW-119	5/2-4/2012	108.35	8.00	0.00	100.35	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.26	LFP	
MW-119	8/1-3/2012	108.35	9.23	0.00	99.12	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.27	LFP	
MW-119	11/26-28/2012	108.35	7.43	0.00	100.92	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.10	LFP	
MW-119	2/4-6/2013	108.35	7.99	0.00	100.36	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.099	LFP	
MW-119	5/6-8/2013	108.35	8.76	0.00	99.59	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.15	LFP	
MW-119	9/9-13/2013	108.35	8.51	0.00	99.84	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.26	LFP	
MW-119	11/18-21/2013	108.35	7.67	0.00	100.68	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.80	LFP	
MW-119	2/4-11/2014	108.35	8.47	0.00	99.88	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.16	LFP	
MW-119	8/18-21/14	108.35	9.23	0.00	99.12	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.17	LFP	
MW-119	11/19-20/2014	108.35	8.50	0.00	99.85	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.14	LFP	
MW-119	2/17-20/2015	108.35	7.97	0.00	100.38	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.18	LFP	
MW-119	5/11-15/2015	108.35	8.96	0.00	99.39	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.24	LFP	
MW-119	8/10-11/2015	108.35	9.70	0.00	98.65	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.13	LFP	
MW-119	11/16-18/2015	108.35	6.43	0.00	101.92	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.0041	LFP	
MW-119	5/13-14/2016	108.35	8.39	0.00	99.96													WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-119	11/14/2016	108.35	7.70	0.00	100.65													WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-119	05/14/2017	108.35	7.85	0.00	100.50													WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY
MW-119	11/11-12/2017	108.35	7.92	0.00	100.43													WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments	
MW-119	05/11/2018	108.35	8.60	0.00	99.75				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-119	11/11-12/2018	108.35	8.62	0.00	99.73				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-119	11/7-9/2011	108.35	8.00	0.00	99.11	740	--	220	--	160	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	LFP	
MW-119	2/6-8/2012	108.35	6.80	0.00	101.55	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP	
MW-119	5/2-4/2012	108.35	6.20	0.00	102.15	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP	
MW-119	8/1-3/2012	108.35	8.11	0.00	99.00	<50	--	59	--	75	<0.5	<0.5	<0.5	<0.5	<0.5	0.29	LFP	
MW-119	11/26-28/2012	108.35	6.21	0.00	102.14	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047	LFP	
MW-119	2/4-6/2013	108.35	6.84	0.00	101.51	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP	
MW-119	5/6-8/2013	108.35	7.64	0.00	100.71	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP	
MW-119	9/9-13/2013	108.35	7.36	0.00	99.75	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.15	LFP	
MW-119	11/18-21/2013	108.35	6.61	0.00	100.50	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.088	LFP	
MW-119	2/4-11/2014	108.35	7.32	0.00	101.03	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP	
MW-119	6/12-14/2014	108.35	7.70	0.00	100.65	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP	
MW-119	8/18-21/14	108.35	8.13	0.00	98.98	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.32	LFP	
MW-119	11/19-20/2014	108.35	7.37	0.00	100.98	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP	
MW-119	04/27/2019	108.35	8.39	0.00	99.96				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-119	11/03/2019	108.35	8.34	0.00	100.01				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-119	Nov 2019	108.35	--	--	--				WELL ABANDONED									
MW-120	2/17-20/2015	107.11	6.83	0.00	100.28	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.22	LFP	
MW-120	5/11-15/2015	107.11	7.71	0.00	99.40	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.10	LFP	
MW-120	8/10-11/2015	107.11	8.53	0.00	98.58	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.13	LFP	
MW-120	11/16-18/2015	107.11	4.94	0.00	102.17	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.0019	LFP	
MW-120	5/13-14/2016	107.11	7.81	0.00	99.30				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-120	11/14/2016	107.11	6.47	0.00	100.64				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-120	05/14/2017	107.11	6.67	0.00	100.44				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-120	11/11-12/2017	107.11	6.69	0.00	100.42				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-120	05/11/2018	107.11	7.49	0.00	99.62				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-120	11/11-12/2018	107.11	7.46	0.00	99.65				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-120	04/27/2019	107.11	--	--	--				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-120	11/03/2019	107.11	7.50	0.00	99.61				WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY									
MW-120	Nov 2019	107.11	--	--	--				WELL ABANDONED									
B-1	02/14/1991	107.74	--	--	--	<b>5,100</b>	--	<250	--	--	--	--	--	--	--	--		
B-1	02/14/1992	107.74	6.90	0.00	100.84	--	--	--	--	--	--	--	--	--	--	--		
B-1	02/18/1992	107.74	6.72	0.00	101.02	--	--	--	--	--	--	--	--	--	--	--		
B-1	03/13/1992	107.74	6.93	0.00	100.81	<50	--	--	--	--	--	--	--	--	--	--		
B-1	04/21/1992	107.74	6.66	0.00	101.08	--	--	--	--	--	--	--	--	--	--	--		
B-1	08/22/1995	107.74	8.03	0.00	99.71	<50	--	<250	--	<b>&lt;750</b>	--	--	--	--	--	--		
B-1	11/28/1995	107.74	6.13	0.00	101.61	<50	--	<250	--	<b>&lt;750</b>	--	--	--	--	--	--	<2	
B-1	03/11/1996	107.74	6.99	0.00	100.75	<50	--	<250	--	<b>&lt;750</b>	--	--	--	--	--	--	7.5	
B-1	06/26/1996	107.74	7.73	0.00	100.01	<50	--	<250	--	<b>&lt;750</b>	--	--	--	--	--	--	<2	
B-1	10/09/1996	107.74	8.05	0.00	99.69	<50	--	<250	--	<b>&lt;750</b>	--	--	--	--	--	--	<2	
B-1	02/12/1997	107.74	6.46	0.00	101.28	<50	--	<250	--	<b>&lt;750</b>	--	--	--	--	--	--	<2	
B-1	04/22/1997	107.74	6.25	0.00	101.49	<50	--	<250	--	<b>&lt;750</b>	--	--	--	--	--	--	<2	
B-1	08/05/1997	107.74	8.20	0.00	99.54	<50	--	<250	--	<b>&lt;750</b>	--	--	--	--	--	--	<2	
B-1	11/11/1997	107.74	6.84	0.00	100.90	<50	--	300	--	<b>&lt;750</b>	--	--	--	--	--	--	<2	
B-1	02/11/1998	107.74	6.70	0.00	101.04	<50	--	<250	--	<b>&lt;750</b>	--	--	--	--	--	--	<2	
B-1	05/28/1998	107.74	6.85	0.00	100.89	<50	--	<250	--	<b>&lt;750</b>	--	--	--	--	--	--	<1	
B-1	08/20/1998	107.74	9.42	0.00	98.32	<50	--	<250	--	<b>&lt;750</b>	--	--	--	--	--	--	<1	
B-1	11/19/1998	107.74	7.43	0.00	100.31	<50	--	<250	--	<b>&lt;750</b>	--	--	--	--	--	--	<1	
B-1	03/11/1999	107.74	6.34	0.00	101.40	<80	--	<250	--	<b>&lt;750</b>	--	--	--	--	--	--	<1	
B-1	05/25/1999	107.74	7.60	0.00	100.14	<80	--	<b>&lt;1,450</b>	--	--	--	--	--	--	--	--	--	
B-1	08/17/1999	107.74	8.28	0.00	99.46	<80	--	<250	--	<500	--	--	--	--	--	--	<1	
B-1	11/19/1999	107.74	5.90	0.00	101.84	<80	--	<250	--	--	--	--	--	--	--	--	<1	
B-1	03/09/2000	107.74	6.38	0.00	101.36	<80	--	<250	--	<500	--	--	--	--	--	--	<1	
B-1	06/12/2000	107.74	6.26	0.00	101.48	<80	--	<250	--	<500	--	--	--	--	--	--	<1	
B-1	09/26/2000	107.74	8.51	0.00	99.23	--	--	<250	--	<500	--	--	--	--	--	--	<1	



Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
B-1	12/13/2000	107.74	7.69	0.00	100.05	--	--	<250	--	<500	--	--	--	--	--	<1	
B-1	02/28/2001	107.74	7.37	0.00	100.37	<80	--	<250	--	<500	--	--	--	--	--	<1	
B-1	05/02/2001	107.74	6.69	0.00	101.05	109	--	<250	--	<500	--	--	--	--	--	<1	
B-1	12/30/2003	107.74	6.11	0.00	101.63	<98	--	<50	--	<78	<0.5	<0.5	<0.5	<1.5	--	<1.2	
B-1	10/06/2004	107.74	8.87	0.00	98.87	<50	--	81	--	100	--	--	--	--	--	--	
B-1	10/24/2005	107.74	7.96	0.00	99.78	<48	--	<81	--	<100	--	--	--	--	--	--	
B-1	09/05/2007	107.74	8.60	0.00	99.14	<50	--	<80	--	<100	--	--	--	--	--	0.13	
B-1	5/27-28/2008	107.74	7.85	0.00	99.89	<50	--	<75	--	<94	<0.5	0.6	<0.5	<0.5	<0.5	<0.050	LFP
B-1	8/27-29/2008	107.74	8.00	0.00	99.74	<50	--	<82	--	<100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
B-1	11/17-19/2008	107.74	6.39	0.00	101.35	<50	--	83	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
B-1	2/16-18/2009	107.74	7.55	0.00	100.19	<50	--	300	--	<b>2,000</b>	<0.5	<0.5	<0.5	<0.5	<0.5	0.098	LFP
B-1	5/4-6/2009	107.74	6.47	0.00	101.27	<50	--	39	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
B-1	8/19-21/2009	107.74	8.54	0.00	99.20	<50	--	99.20	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
B-1	11/18-20/2009	107.74	5.35	0.00	102.39	66	--	60	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.22	LFP
B-1	2/8-10/2010	107.74	6.89	0.00	100.85	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
B-1	5/12-13/2010	107.74	7.34	0.00	100.40	<50	--	70	--	82	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
B-1	08/11/2010	107.74	8.16	0.00	99.58	<50	--	<30	--	83	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
B-1	11/3-4/2010	107.74	6.02	0.00	101.72	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
B-1	2/3-4/2011	107.74	7.03	0.00	100.71	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
B-1	05/24/2011	107.74	7.10	0.00	100.64	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
B-1	8/23-24/11	107.74	8.46	0.00	99.28	<50	--	<30	--	<71	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
B-1	11/7-9/2011	107.74	8.10	0.00	99.64	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
B-1	2/6-8/2012	107.74	6.75	0.00	100.99	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.11	LFP
B-1	5/2-4/2012	107.74	6.45	0.00	101.29	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
B-1	8/1-3/2012	107.74	8.23	0.00	99.51	<50	--	<30	--	<71	<0.5	<0.5	<0.5	<0.5	<0.5	<0.034	LFP
B-1	11/26-28/2012	107.74	6.29	0.00	101.45	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047	LFP
B-1	2/4-6/2013	107.74	6.81	0.00	100.93	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP
B-1	5/6-8/2013	107.74	8.66	0.00	99.08	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP
B-1	9/9-13/2013	107.74	7.18	0.00	100.56	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
B-1	11/18-22/2013	107.74	6.64	0.00	101.10	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
B-1	2/4-11/2014	107.74	7.25	0.00	100.49	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
B-1	6/12-14/2014	107.74	7.87	0.00	99.87	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
B-1	8/18-21/14	107.74	8.40	0.00	99.34	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
B-1	11/19-20/2014	107.74	7.43	0.00	100.31	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
B-1	2/17-20/2015	107.74	6.79	0.00	100.95	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
B-1	5/11-15/2015	107.74	8.77	0.00	98.97	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
B-1	8/10-11/2015	107.74	8.80	0.00	98.94	<50	89	<28	74	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.13	LFP
B-1	11/16-18/2015	107.74	4.69	0.00	103.05	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	0.00063	LFP
B-1	5/13-14/2016	107.74	7.80	0.00	99.94	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	--	<0.13	LFP
B-1	11/14/2016	107.74	6.15	0.00	101.59	<50	--	51	--	<67	<0.5	<0.5	<0.5	<0.5	--	<0.090	LFP
B-1	05/14/2017	107.74	6.51	0.00	101.23	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	--	<0.090	LFP
B-1	11/11-12/2017	107.74	7.42	0.00	100.32	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	--	<0.11	LFP
B-1	05/11/2018	107.74	7.31	0.00	100.43	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.11	LFP
B-1	11/11-12/2018	107.74	7.48	0.00	100.26	<19	--	30	--	<67	<0.2	<0.2	<0.4	<1	--	<1.1	LFP
B-1	04/27/2019	107.74	7.23	0.00	100.51	<19	--	32 J	--	<66	<0.2	<0.2	<0.4	<1	--	<1.1	LFP
B-1	11/03/2019	107.74	7.45	0.00	100.29	<19	--	<29	--	<66	<0.2	<0.2	<0.4	<1	--	0.30 J	LFP
B-1	05/06/2020	107.74	7.46	0.00	100.28	32.9 B J	<200	--	--	<250	<1.00	<1.00	<1.00	<3.00	--	<5.00	LFP
B-1	11/7/2020	107.74	6.6	0.00	101.14	--	--	--	--	--	--	--	--	--	--	--	
B-1	05/24/2021	107.74	7.92	0.00	99.82	462 B	137 J	137 J	<250	<250	<1.00	<1.00	<1.00	<3.00	--	<6.00	
B-1 DUP	05/24/2021	--	--	--	--	<100	<200	<200	<250	<250	<1.00	<1.00	<1.00	<3.00	--	<6.00	
B-2	02/14/1991	108.99	--	--	--	180	--	<250	--	--	--	--	--	--	--	--	
B-2	02/14/1992	108.99	8.08	0.00	100.91	--	--	--	--	--	--	--	--	--	--	--	
B-2	02/18/1992	108.99	7.97	0.00	101.02	--	--	--	--	--	--	--	--	--	--	--	
B-2	03/09/1992	108.99	7.88	0.00	101.11	--	--	--	--	--	--	--	--	--	--	--	
B-2	03/13/1992	108.99	8.12	0.00	100.87	--	--	--	--	--	--	--	--	--	--	--	
B-2	04/21/1992	108.99	7.82	0.00	101.17	--	--	--	--	--	--	--	--	--	--	--	
B-2	08/22/1995	108.99	9.30	0.00	99.69	<50	--	<250	--	<750	--	--	--	--	--	--	

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
B-2	11/27/1995	108.99	7.33	0.00	101.66	<50	--	<250	--	<750	--	--	--	--	--	<2	
B-2	03/12/1996	108.99	8.20	0.00	100.79	<50	--	<250	--	<750	--	--	--	--	--	<2	
B-2	06/27/1996	108.99	8.95	0.00	100.04	<50	--	<250	--	<750	--	--	--	--	--	<2	
B-2	10/10/1996	108.99	9.28	0.00	99.71	<50	--	<250	--	<750	--	--	--	--	--	<2	
B-2	02/12/1997	108.99	7.73	0.00	101.26	<50	--	<250	--	<750	--	--	--	--	--	<2	
B-2	04/22/1997	108.99	7.41	0.00	101.58	<50	--	<250	--	<750	--	--	--	--	--	2	
B-2	08/05/1997	108.99	9.40	0.00	99.59	<50	--	<250	--	<750	--	--	--	--	--	<2	
B-2	11/11/1997	108.99	8.00	0.00	100.99	<50	--	<250	--	<750	--	--	--	--	--	<2	
B-2	02/11/1998	108.99	7.90	0.00	101.09	<50	--	<250	--	<750	--	--	--	--	--	<2	
B-2	05/28/1998	108.99	8.03	0.00	100.96	<50	--	<250	--	<750	--	--	--	--	--	<1	
B-2	08/20/1998	108.99	10.64	0.00	98.35	<50	--	<250	--	<750	--	--	--	--	--	<1	
B-2	11/19/1998	108.99	8.67	0.00	100.32	<50	--	<250	--	<750	--	--	--	--	--	<1	
B-2	03/11/1999	108.99	7.56	0.00	101.43	<80	--	<250	--	<500	--	--	--	--	--	<1	
B-2	05/25/1999	108.99	8.82	0.00	100.17	<80	--	<250	--	<1,600	--	--	--	--	--	--	
B-2	08/17/1999	108.99	9.51	0.00	99.48	<80	--	<250	--	<500	--	--	--	--	--	<1	
B-2	11/19/1999	108.99	7.08	0.00	101.91	<80	--	<250	--	<500	--	--	--	--	--	<1	
B-2	03/09/2000	108.99	7.59	0.00	101.40	<80	--	<250	--	<500	--	--	--	--	--	<1	
B-2	06/12/2000	108.99	8.00	0.00	100.99	<80	--	<250	--	<500	--	--	--	--	--	<1	
B-2	09/26/2000	108.99	9.74	0.00	99.25	--	--	<250	--	<500	--	--	--	--	--	<1	
B-2	12/13/2000	108.99	8.91	0.00	100.08	--	--	<250	--	<500	--	--	--	--	--	<1	
B-2	02/28/2001	108.99	8.59	0.00	100.40	<80	--	<250	--	<500	--	--	--	--	--	<1	
B-2	05/02/2001	108.99	7.89	0.00	101.10	<80	--	<250	--	<500	--	--	--	--	--	<1	
B-2	12/30/2003	108.99	7.36	0.00	101.63	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--	<1.2	
B-2	10/06/2004	108.99	7.65	0.00	101.34	<50	--	<79	--	<99	--	--	--	--	--	--	
B-2	07/18/2005	108.99	9.20	0.00	99.79	<48	--	<77	--	<96	--	--	--	--	--	--	
B-2	10/21/2005	108.99	9.17	0.00	99.82	<48	--	<82	--	<100	--	--	--	--	--	--	
B-2	09/05/2007	108.99	9.83	0.00	99.16	<50	--	<81	--	<100	--	--	--	--	--	0.1	
B-2	8/27-29/2008	108.99	9.28	0.00	99.71	<50	--	<80	--	<100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
B-2	11/17-19/2008	108.99	7.57	0.00	101.42	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
B-2	2/16-18/2009	108.99	8.77	0.00	100.22	<50	--	<68	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.070	LFP
B-2	5/4-6/2009	108.99	7.69	0.00	101.30	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
B-2	8/19-21/2009	108.99	9.75	0.00	99.24	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
B-2	11/18-20/2009	108.99	6.46	0.00	102.53	<50	--	94	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.15	LFP
B-2	2/8-10/2010	108.99	8.10	0.00	100.89	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
B-2	5/12-13/2010	108.99	8.55	0.00	100.44	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
B-2	08/11/2010	108.99	9.38	0.00	99.61	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
B-2	11/3-4/2010	108.99	7.20	0.00	101.79	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
B-2	2/3-4/2011	108.99	8.25	0.00	100.74	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
B-2	05/24/2011	108.99	8.33	0.00	100.66	<50	--	<30	--	140	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052	LFP
B-2	8/23-24/11	108.99	9.70	0.00	99.29	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.26	LFP
B-2	11/7-9/2011	108.99	9.30	0.00	99.69	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
B-2	2/6-8/2012	108.99	7.95	0.00	101.04	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.10	LFP
B-2	5/2-4/2012	108.99	7.40	0.00	101.59	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080	LFP
B-2	8/1-3/2012	108.99	8.20	0.00	100.79	<50	--	<31	--	<72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.034	LFP
B-2	11/26-28/2012	108.99	7.47	0.00	101.52	<50	--	<37	--	<86	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047	LFP
B-2	2/4-6/2013	108.99	8.04	0.00	100.95	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP
B-2	5/6-8/2013	108.99	8.89	0.00	100.10	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073	LFP
B-2	9/9-13/2013	108.99	8.41	0.00	100.58	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
B-2	11/18-22/2013	108.99	7.77	0.00	101.22	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
B-2	2/4-11/2014	108.99	8.47	0.00	100.52	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
B-2	6/12-14/2014	108.99	8.91	0.00	100.08	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085	LFP
B-2	8/18-21/14	108.99	9.53	0.00	99.46	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
B-2	11/19-20/2014	108.99	8.54	0.00	100.45	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
B-2	2/17-20/2015	108.99	7.93	0.00	101.06	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
B-2	5/11-15/2015	108.99	8.91	0.00	100.08	<50	<28	<28	<66	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082	LFP
B-2	8/10-11/2015	108.99	10.01	0.00	98.98	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	1.20	LFP
B-2	11/16-18/2015	108.99	5.75	0.00	103.24	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.00060	LFP
B-2	5/13-14/2016	108.99	9.02	0.00	99.97	<50	--	37	--	<67	<0.5	<0.5	<0.5	<0.5	--	<0.13	LFP

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
B-2	11/14/2016	108.99	7.47	0.00	101.52	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	--	<0.090	LFP
B-2	05/14/2017	108.99	7.72	0.00	101.27	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	--	<0.090	LFP
B-2	11/11-12/2017	108.99	6.41	0.00	102.58	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	--	<0.11	LFP
B-2	05/11/2018	108.99	8.47	0.00	100.52	<50	--	<28	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.11	LFP
B-2	11/11-12/2018	108.99	8.63	0.00	100.36	<19	--	<29	--	<67	<0.2	<0.2	<0.4	<1	--	<1.1	LFP
B-2	04/27/2019	108.99	8.43	0.00	100.56	<19	--	31 J	--	<66	<0.2	<0.2	<0.4	<1	--	<1.1	LFP
B-2	11/03/2019	108.99	8.66	0.00	100.33	<19	--	67 J	--	<66	<0.2	<0.2	<0.4	<1	--	1.2	LFP
B-2	05/06/2020	108.99	8.67	0.00	100.32	32.6 B J	<200	--	--	<250	<1.00	<1.00	<1.00	<3.00	--	<5.00	
B-2	11/7/2020	108.99	7.59	0.00	101.40	--	--	--	--	--	--	--	--	--	--	--	
B-2	05/24/2021	108.46	9.17	0.00	99.29	258 B	<b>657</b>	92.0 J	147 J	<250	<1.00	<1.00	5.4	0.243 J	--	<6.00	
B-3	02/14/1991	108.46	--	--	--	<b>98,000</b>	--	<250	--	--	--	--	--	--	--	--	
B-3	02/14/1992	108.46	7.82	0.00	100.64	--	--	--	--	--	--	--	--	--	--	--	
B-3	02/18/1992	108.46	7.82	0.00	100.64	--	--	--	--	--	--	--	--	--	--	--	
B-3	03/09/1992	108.46	7.55	0.00	100.91	--	--	--	--	--	--	--	--	--	--	--	
B-3	03/13/1992	108.46	7.82	0.00	100.64	<b>28,000</b>	--	<b>31,000</b>	--	--	--	--	--	--	--	--	
B-3	04/21/1992	108.46	7.50	0.00	100.96	--	--	--	--	--	--	--	--	--	--	--	
B-3	03/03/1994	108.46	--	--	--	<b>43,000</b>	--	<b>3,940</b>	--	<750	--	--	--	--	--	--	
B-3	08/23/1995	108.46	8.93	0.00	99.53	<b>46,000</b>	--	<b>2,600</b>	--	<750	--	--	--	--	--	--	
B-3	11/28/1995	108.46	7.12	0.00	101.34	<b>63,000</b>	--	<b>1,500</b>	--	<750	--	--	--	--	--	--	
B-3	03/12/1996	108.46	7.85	0.00	100.61	<b>42,000</b>	--	<b>900</b>	--	<750	--	--	--	--	--	--	
B-3	06/27/1996	108.46	8.67	0.00	99.79	<b>37,900</b>	--	<b>1,510</b>	--	<b>1,080</b>	--	--	--	--	--	--	
B-3	10/10/1996	108.46	8.97	0.00	99.49	<b>16,200</b>	--	<b>729</b>	--	<750	--	--	--	--	--	--	
B-3	02/12/1997	108.46	7.55	0.00	100.91	<b>35,200</b>	--	<b>4,060</b>	--	<b>986</b>	--	--	--	--	--	--	
B-3	04/22/1997	108.46	7.30	0.00	101.16	<b>31,900</b>	--	<b>3,980</b>	--	<b>767</b>	--	--	--	--	--	--	
B-3	08/02/1997	108.46	9.05	0.00	99.41	<b>20,400</b>	--	<b>3,370</b>	--	<b>1,270</b>	--	--	--	--	--	--	
B-3	11/11/1997	108.46	6.76	0.00	101.70	<b>28,400</b>	--	<b>3,230</b>	--	<b>777</b>	--	--	--	--	--	--	
B-3	02/11/1998	108.46	7.54	0.00	100.92	<b>28,400</b>	--	<b>3,240</b>	--	<b>1,460</b>	--	--	--	--	--	--	
B-3	05/28/1998	108.46	7.76	0.00	100.70	<b>34,600</b>	--	<b>3,360</b>	--	<750	--	--	--	--	<b>29.5</b>	--	
B-3	08/20/1998	108.46	10.30	0.00	98.16	<b>32,900</b>	--	<b>2,150</b>	--	<750	--	--	--	--	<1.89	--	
B-3	11/19/1998	108.46	8.39	0.00	100.07	<b>23,800</b>	--	<b>6,650</b>	--	<3,750	--	--	--	--	--	--	
B-3	03/11/1999	108.46	7.15	0.00	101.31	<b>17,000</b>	--	<b>2,920</b>	--	<5,000	--	--	--	--	--	--	
B-3	05/25/1999	108.46	8.50	0.00	99.96	<b>30,500</b>	--	<b>1,850</b>	--	--	--	--	--	--	--	--	
B-3	08/17/1999	108.46	9.15	0.00	99.31	<b>29,600</b>	--	<b>2,570</b>	--	<b>711</b>	--	--	--	--	--	--	
B-3	11/19/1999	108.46	6.76	0.00	101.70	<b>30,700</b>	--	<b>7,880</b>	--	--	--	--	--	--	--	--	
B-3	03/09/2000	108.46	7.24	0.00	101.22	<b>10,400</b>	--	<250	--	<500	--	--	--	--	--	--	
B-3	06/13/2000	108.46	8.15	0.00	100.31	<b>23,000</b>	--	<250	--	<500	--	--	--	--	--	--	
B-3	09/26/2000	108.46	9.35	0.00	99.11	--	--	<250	--	<500	--	--	--	--	--	--	
B-3	12/13/2000	108.46	8.58	0.00	99.88	<b>21,600</b>	--	<250	--	<500	--	--	--	--	--	--	
B-3	02/28/2001	108.46	8.28	0.00	100.18	<b>25,700</b>	--	<250	--	<500	--	--	--	--	--	--	
B-3	05/02/2001	108.46	7.79	0.00	100.67	<b>17,200</b>	--	<250	--	<500	--	--	--	--	--	--	
B-3	12/30/2003	108.46	7.04	0.00	101.42	<b>&lt;980</b>	--	<b>14,000</b>	--	<b>3,800</b>	<5.0	1.9	130	61	--	<b>17.3</b>	
B-3	07/20/2004	108.46	9.31	0.00	99.15	<b>13,200</b>	--	<b>1,220</b>	--	<500	<b>12.5</b>	<10.0	<b>874</b>	204	--	<b>24.6</b>	
B-3	10/06/2004	108.46	8.68	0.00	99.78	<b>13,000</b>	--	<b>1,200</b>	--	<500	--	--	--	--	--	--	
B-3	01/27/2005	108.46	7.70	0.00	100.76	<b>6,200</b>	--	<b>1,100</b>	--	<190	--	--	--	--	--	--	
B-3	04/12/2005	108.46	7.21	0.00	101.25	<b>5,300</b>	--	<b>1,200</b>	--	<100	--	--	--	--	--	--	
B-3	07/18/2005	108.46	8.83	0.00	99.63	<b>6,400</b>	--	<b>1,200</b>	--	<97	--	--	--	--	--	--	
B-3	10/21/2005	108.46	8.85	0.00	99.61	<b>8,900</b>	--	<b>2,400</b>	--	<510	--	--	--	--	--	--	
B-3	09/04/2007	108.46	9.41	0.00	99.05	<b>10,000</b>	--	<b>1,500</b>	--	<200	--	--	--	--	--	--	
B-3	5/27-28/2008	108.46	8.73	0.00	99.73	<b>3,700</b>	--	<b>2,400</b>	--	<540	2	2	98	3	<0.5	<b>20.2</b>	LFP
B-3	8/27-29/2008	108.46	8.85	0.00	99.61	<b>10,000</b>	--	<b>2,400</b>	--	<98	5	2	230	17	<0.5	<b>21.5</b>	LFP
B-3	11/17-19/2008	108.46	7.13	0.00	101.33	<b>7,100</b>	--	<b>&lt;690</b>	--	<690	<0.5	<0.5	57	2	<0.5	<b>20</b>	LFP
B-3	2/16-18/2009	108.46	8.40	0.00	100.06	<b>8,800</b>	--	<b>1,900</b>	--	<340	<b>180</b>	130	130	21	<0.5	<b>19.5</b>	LFP
B-3	5/4-6/2009	108.46	7.65	0.00	100.81	<b>5,800</b>	--	<b>2,400</b>	--	<340	<b>68</b>	15	120	7	<0.5	<b>13.1</b>	LFP
B-3	8/19-21/2009	108.46	9.33	0.00	99.13	<b>5,900</b>	--	<b>2,900</b>	--	<360	<b>39</b>	10	170	16	<0.5	<b>19</b>	LFP
B-3	11/18-20/2009	108.46	6.35	0.00	102.11	<b>2,500</b>	--	<b>2,200</b>	--	<340	1	<0.5	12	1	<0.5	<b>16.5</b>	LFP
B-3	2/8-10/2010	108.46	7.73	0.00	100.73	<b>6,200</b>	--	<b>1,700</b>	--	140	2	<0.5	25	1	<0.5	9.9	LFP
B-3	5/12-13/2010	108.46	8.18	0.00	100.28	<b>8,200</b>	--	<b>1,200</b>	--	<68	2	<0.5	47	2	<0.5	10.3	LFP

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/SI gel	TPH-HRO	TPH-HRO w/SI gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
B-3	08/11/2010	108.46	9.00	0.00	99.46	5,900	--	2,700	--	<340	7	1.0	270	20	<0.5	19.3	LFP
B-3	11/3-4/2010	108.46	6.96	0.00	101.50	3,100	--	2,500	--	<350	0.60	<0.5	24	1	<0.5	13.3	LFP
B-3	2/3-4/2011	108.46	6.70	0.00	101.76	4,900	--	1,400	--	<340	0.80	<0.5	53	2	<0.5	10.2	LFP
B-3	05/24/2011	108.46	7.96	0.00	100.50	1,800	--	1,200	--	300	1	<0.5	76	3	<0.5	14	LFP
B-3	8/23-24/11	108.46	9.24	0.00	99.22	3,700	--	960	--	<72	8	2	160	8	<0.5	11.7	LFP
B-3	11/7-9/2011	108.46	8.95	0.00	99.51	5,800	--	1,500	--	460	7	2	180	6	<0.5	12.3	LFP
B-3	2/6-8/2012	108.46	7.40	0.00	101.06	<50	--	<31	--	<71	<0.5	<0.5	<0.5	<0.5	<0.5	4.4	LFP
B-3	5/2-4/2012	108.46	7.50	0.00	100.96	1,300	--	53	--	<72	<0.5	<0.5	19	<0.5	0.7	3.9	LFP
B-3	8/1-3/2012	108.46	8.24	0.00	100.22	600	--	460	--	110	0.6	<0.5	1	<0.5	<0.5	8.0	LFP
B-3	11/26-28/2012	108.46	6.98	0.00	101.48	500	--	73	--	<68	<0.5	<0.5	0.8	<0.5	<0.5	7.4	LFP
B-3	2/4-6/2013	108.46	6.33	0.00	102.13	120	--	45	--	<66	<0.5	<0.5	<0.5	<0.5	<0.5	5.6	LFP
B-3	5/6-8/2013	108.46	8.50	0.00	99.96	2,600	--	150	--	<67	<0.5	<0.5	73	3	<0.5	8.9	LFP
B-3	9/9-13/2013	108.46	8.09	0.00	100.37	1,700	2,700	160	72	<66	0.6	<0.5	37	0.9	<0.5	16.0	LFP
B-3	11/18-22/2013	108.46	6.45	0.00	102.01	190	1,600	42	180	<67	<0.5	<0.5	<0.5	<0.5	<0.5	11.2	LFP
B-3	2/4-11/2014	108.46	8.10	0.00	100.36	480	730	36	<67	<67	<0.5	<0.5	2	<0.5	<0.5	7.4	LFP
B-3	6/12-14/2014	108.46	8.69	0.00	99.77	260	780	100	100	<66	<0.5	<0.5	1	<0.5	<0.5	8.3	LFP
B-3	8/18-21/14	108.46	9.23	0.00	99.23	1,000	1,000	180	170	<68	<0.5	<0.5	9	0.7	<0.5	8.9	LFP
B-3	11/19-20/2014	108.46	8.17	0.00	100.29	900	1,400	130	160	<67	<0.5	<0.5	7	<0.5	<0.5	13.4	LFP
B-3	2/17-20/2015	108.46	6.36	0.00	102.10	650	490	150	180	<66	<0.5	<0.5	<0.5	<0.5	<0.5	2.9	LFP
B-3	5/11-15/2015	108.46	8.16	0.00	100.30	1,400	690	120	<66	<66	<0.5	<0.5	33	0.9	<0.5	0.0081	LFP
B-3	8/10-11/2015	108.46	9.59	0.00	98.87	660	2,000	130	550	<67	<0.5	<0.5	5	0.5	<0.5	9.5	LFP
B-3	11/16-18/2015	108.46	5.58	0.00	102.88	880	1,200	57	180	<67	<0.5	<0.5	2	<0.5	<0.5	0.0185	LFP
B-3	5/13-14/2016	108.46	8.64	0.00	99.82	400	650	38	220	<67	<0.5	<0.5	1	<0.5	--	5.1	LFP
B-3	11/14/2016	108.46	7.45	0.00	101.01	560	380	<29	<67	<67	<0.5	<0.5	1	<0.5	--	10.6	LFP
B-3	05/14/2017	108.46	7.44	0.00	101.02	230	92	<28	<66	<66	<0.5	<0.5	1	<0.5	--	2.3	LFP
B-3	11/11-12/2017	108.46	7.47	0.00	100.99	860	270	32	<67	<67	3	<0.5	2	<0.5	--	11.4	LFP
B-3	05/11/2018	108.46	8.14	0.00	100.32	900	82	33	68	<67	<0.5	<0.5	5	<0.5	<0.5	0.76	LFP
B-3	11/11-12/2018	108.46	8.24	0.00	100.22	2,100	2,800	180	370	<66	0.9	0.3	5	<1	--	11.1	LFP
B-3	04/27/2019	108.46	8.02	0.00	100.44	<19	--	160	--	<66	<0.2	<0.2	<0.4	<1	--	3.4	LFP
B-3	11/03/2019	108.46	8.25	0.00	100.21	1,500	1,400	90 J	84 J	<67	0.2 J	0.3 J	8	<1	--	8.2	LFP
B-3	05/06/2020	108.46	8.35	0.00	100.11	92.3 B J	273	79.5 J	--	104 J	<1.00	<1.00	<1.00	<3.00	--	<5.00	--
B-3	11/7/2020	108.46	7.51	0.00	100.95	807	1,280	122 B J	386	<250	0.240 J	<1.00	1.52	0.315 J	--	5.89	--
B-3	05/24/2021	108.46	8.85	0.00	98.83	<100	83.0 J	83.0 J	<250	<250	<1.00	<1.00	<1.00	<3.00	--	<6.00	--
B-4	02/14/1991	107.68	--	--	--	33,000	--	<250	--	--	--	--	--	--	--	--	--
B-4	02/14/1992	107.68	6.82	0.00	100.86	--	--	--	--	--	--	--	--	--	--	--	--
B-4	02/18/1992	107.68	5.94	0.00	101.74	--	--	--	--	--	--	--	--	--	--	--	--
B-4	03/09/1992	107.68	6.62	0.00	101.06	--	--	--	--	--	--	--	--	--	--	--	--
B-4	03/13/1992	107.68	6.88	0.00	100.80	21,000	--	--	--	--	--	--	--	--	--	--	--
B-4	04/21/1992	107.68	6.57	0.00	101.11	--	--	--	--	--	--	--	--	--	--	--	--
B-4	03/03/1994	107.68	--	--	--	15,800	--	1,040	--	1,250	--	--	--	--	--	--	--
B-4	08/22/1995	107.68	7.92	0.00	99.76	22,000	--	840	--	820	--	--	--	--	--	--	--
B-4	11/28/1995	107.68	6.11	0.00	101.57	22,000	--	1,900	--	990	--	--	--	--	--	3.1	--
B-4	03/12/1996	107.68	6.85	0.00	100.83	11,000	--	3,200	--	2,500	--	--	--	--	--	4.7	--
B-4	06/26/1996	107.68	7.58	0.00	100.10	16,100	--	757	--	<750	--	--	--	--	--	2.83	--
B-4	10/09/1996	107.68	7.90	0.00	99.78	10,200	--	543	--	<750	--	--	--	--	--	4.13	--
B-4	02/12/1997	107.68	6.01	0.00	101.67	12,200	--	4,710	--	4,830	--	--	--	--	--	2.82	--
B-4	04/22/1997	107.68	10.10	0.00	97.58	15,500	--	5,840	--	1,191	--	--	--	--	--	4.18	--
B-4	08/05/1997	107.68	8.37	0.00	99.31	15,800	--	2,560	--	3,160	--	--	--	--	--	6.26	--
B-4	11/11/1997	107.68	7.67	0.00	100.01	31,100	--	2,080	--	1,040	--	--	--	--	--	4.75	--
B-4	02/11/1998	107.68	6.45	0.00	101.23	3,750	--	1,340	--	1,630	--	--	--	--	--	<2.0	--
B-4	05/28/1998	107.68	7.25	0.00	100.43	2,510	--	3,180	--	1,250	--	--	--	--	--	4.69	--
B-4	08/20/1998	107.68	9.12	0.00	98.56	7,240	--	1,460	--	1,240	--	--	--	--	--	1.17	--
B-4	11/19/1998	107.68	7.22	0.00	100.46	1,880	--	2,470	--	3,750	--	--	--	--	--	<1.0	--
B-4	03/11/1999	107.68	5.41	0.00	102.27	11,900	--	1,130	--	585	--	--	--	--	--	3.54	--
B-4	05/25/1999	107.68	7.45	0.00	100.23	5,380	--	<1,450	--	--	--	--	--	--	--	--	--
B-4	08/17/1999	107.68	8.06	0.00	99.62	2,700	--	670	--	868	--	--	--	--	--	2.3	--
B-4	11/19/1999	107.68	5.75	0.00	101.93	11,400	--	1,700	--	--	--	--	--	--	--	17.5	--

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Sl gel	TPH-HRO	TPH-HRO w/Sl gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
B-4	03/09/2000	107.68	6.34	0.00	101.34	105,000	--	<1,250	--	2,830	--	--	--	--	--	10.9	
B-4	06/13/2000	107.68	6.80	0.00	100.88	8,810	--	<250	--	943	--	--	--	--	--	6.92	
B-4	09/26/2000	107.68	8.31	0.00	99.37	--	--	<250	--	0.565	--	--	--	--	--	5	
B-4	12/13/2000	107.68	7.54	0.00	100.14	--	--	1,250	--	<500	--	--	--	--	--	5.98	
B-4	02/28/2001	107.68	7.24	0.00	100.44	12,100	--	<250	--	<500	--	--	--	--	--	5.34	
B-4	05/02/2001	107.68	6.59	0.00	101.09	12,300	--	15,700	--	757	--	--	--	--	--	5.75	
B-4	12/30/2003	107.68	6.07	0.00	101.61	1,700	--	17,000	--	2,000	<10	<5.0	310	370	--	7.5	
B-4	07/20/2004	107.68	8.23	0.00	99.45	4,660	--	<250	--	<500	15.1	1.3	42.3	10.1	--	--	
B-4	10/06/2004	107.68	7.45	0.00	100.23	2,300	--	390	--	180	--	--	--	--	--	--	
B-4	01/27/2005	107.68	6.72	0.00	100.96	2,800	--	200	--	<195	--	--	--	--	--	--	
B-4	04/12/2005	107.68	6.62	0.00	101.06	2,600	--	340	--	<100	--	--	--	--	--	--	
B-4	07/18/2005	107.68	6.62	0.00	101.06	1,600	--	560	--	<1,100	--	--	--	--	--	--	
B-4	10/21/2005	107.68	7.81	0.00	99.87	1,800	--	190	--	260	--	--	--	--	--	--	
B-4	09/04/2007	107.68	8.40	0.00	99.28	3,200	--	310	--	<100	--	--	--	--	--	1.8	
B-4-DUP	09/04/2007	107.68	8.40	0.00	99.28	3,300	--	340	--	140	--	--	--	--	--	1.7	
B-4	5/27-28/2008	107.68	7.52	0.00	100.16	1,800	--	310	--	330	3	3	25	7	<0.5	2.9	LFP
B-4	8/27-29/2008	107.68	7.88	0.00	99.80	3,100	--	330	--	1,100	1	0.9	22	4	<0.5	1.6	LFP
B-4	11/17-19/2008	107.68	6.26	0.00	101.42	3,500	--	700	--	2,600	1	0.7	27	3	<0.5	2.3	LFP
B-4	2/16-18/2009	107.68	7.40	0.00	100.28	2,000	--	440	--	480	0.6	<0.5	11	2	<0.5	2	LFP
B-4	5/4-6/2009	107.68	6.46	0.00	101.22	2,100	--	590	--	1,300	<0.5	<0.5	20	2	<0.5	1.6	LFP
B-4	8/19-21/2009	107.68	8.35	0.00	99.33	910	--	590	--	810	1	0.5	5	1	<0.5	1.2	LFP
B-4	11/18-20/2009	107.68	5.30	0.00	102.38	5,700	--	490	--	450	3	<0.7	36	3	<0.5	5.2	LFP
B-4	2/8-10/2010	107.68	6.78	0.00	100.90	350	--	400	--	1,400	<0.5	<0.5	4	<0.5	<0.5	0.46	LFP
B-4	5/12-13/2010	107.68	7.23	0.00	100.45	360	--	940	--	7,100	<0.5	<0.5	1	<0.5	<0.5	0.15	LFP
B-4	08/11/2010	107.68	8.00	0.00	99.68	170	--	600	--	2,000	<0.5	<0.5	1	<0.5	<0.5	0.26	LFP
B-4	11/3-4/2010	107.68	6.19	0.00	101.49	530	--	400	--	1,500	<0.5	<0.5	4	0.7	<0.5	1	LFP
B-4	2/3-4/2011	107.68	7.15	0.00	100.53	2,200	--	1,400	--	4,700	0.9	0.7	11	1	<0.5	2.9	LFP
B-4	05/24/2011	107.68	7.22	0.00	100.46	840	--	300	--	680	<0.5	<0.5	0.8	<0.5	<0.5	1.2	LFP
B-4	8/23-24/11	107.68	8.50	0.00	99.18	1,400	--	230	--	<68	<0.5	<0.5	1	0.6	<0.5	1.4	LFP
B-4	11/7-9/2011	107.68	8.15	0.00	99.53	950	--	120	--	360	<0.5	<0.5	1	0.5	<0.5	0.57	LFP
B-4	2/6-8/2012	107.68	6.80	0.00	100.88	320	--	64	--	120	<0.5	<0.5	2	<0.5	<0.5	1.6	LFP
B-4	5/2-4/2012	107.68	6.75	0.00	100.93	580	--	110	--	72	<0.5	<0.05	2	<0.5	<0.5	1.7	LFP
B-4	8/1-3/2012	107.68	8.26	0.00	99.42	510	--	100	--	190	<0.5	<0.5	<0.5	<0.5	<0.5	0.83	LFP
B-4	11/26-28/2012	107.68	6.34	0.00	101.34	1,200	--	320	--	210	<0.5	<0.5	8	0.7	<0.5	3.0	LFP
B-4	2/4-6/2013	107.68	6.95	0.00	100.73	1,600	--	150	--	<69	<0.5	<0.5	4	<0.5	<0.5	2.5	LFP
B-4	5/6-8/2013	107.68	7.53	0.00	100.15	2,400	--	140	--	<67	<0.5	<0.5	4	0.5	<0.5	2.4	LFP
B-4	9/9-13/2013	107.68	7.30	0.00	100.38	1,200	250	130	110	<66	<0.5	<0.5	3	0.5	<0.5	1.6	LFP
B-4	11/18-22/2013	107.68	6.76	0.00	100.92	1,200	150	120	<67	<67	<0.5	<0.5	3	<0.5	<0.5	1.9	LFP
B-4	2/4-11/2014	107.68	7.36	0.00	100.32	1,800	170	140	<68	<68	<0.5	<0.5	3	<0.5	<0.5	2.4	LFP
B-4	6/12-14/2014	107.68	7.94	0.00	99.74	1,200	260	120	73	<67	<0.5	<0.5	1	<0.5	<0.5	1.8	LFP
B-4	8/18-21/14	107.68	8.43	0.00	99.25	1,800	300	140	88	<67	<0.5	<0.5	1	0.5	<0.5	1.4	LFP
B-4	11/19-20/2014	107.68	6.77	0.00	100.91	1,300	270	120	<66	<66	<0.5	<0.5	2	<0.5	<0.5	2.4	LFP
B-4	2/17-20/2015	107.68	6.93	0.00	100.75	550	290	95	470	240	<0.5	<0.5	<0.5	<0.5	<0.5	0.73	LFP
B-4	5/11-15/2015	107.68	7.91	0.00	99.77	940	210	130	<66	<66	<0.5	<0.5	1	<0.5	<0.5	0.0016	LFP
B-4	8/10-11/2015	107.68	8.94	0.00	98.74	600	500	66	340	<66	<0.5	<0.5	<0.5	0.6	<0.5	0.89	LFP
B-4	11/16-18/2015	107.68	4.73	0.00	102.95	2,000	750	130	740	270	<0.5	<0.5	4	<0.5	<0.5	0.0171	LFP
B-4	5/13-14/2016	107.68	7.84	0.00	99.84	2,100	390	120	550	300	<0.5	<0.5	0.9	<0.5	--	0.81	LFP
B-4	11/14/2016	107.68	6.30	0.00	101.38	1,200	1,000	400	1,000	610	<0.5	<0.5	<0.5	<0.5	--	1.00	LFP
B-4	05/14/2017	107.68	6.65	0.00	101.03	2,000	1,200	520	2,500	1,100	<0.5	<0.5	<0.5	<0.5	--	12.8	LFP
B-4	11/11-12/2017	107.68	6.57	0.00	101.11	3,600	650	180	700	260	4	<0.5	1	<0.5	--	0.97	LFP
B-4	05/11/2018	107.68	7.39	0.00	100.29	3,600	650	180	700	260	4	<0.5	1	<0.5	--	0.97	LFP
B-4	11/11-12/2018	107.68	7.52	0.00	100.16	1,600	230	110	330	150	<0.2	<0.2	<0.4	<1	--	1.8	LFP
B-4	04/27/2019	107.68	7.31	0.00	100.37	940	--	90 J	--	<68	<0.2	<0.2	<0.4	<1	--	6.9	LFP
B-4	11/03/2019	107.68	7.51	0.00	100.17	1,500	290	120	410	270	<0.2	<0.2	0.4 J	<1	--	36.3	LFP
B-4	05/06/2020	107.68	7.54	0.00	100.14	1,800	230	115 J	--	106 J	<1.00	<1.00	<3.00	<3.00	--	9.59	
B-4	11/7/2020	107.68	6.63	0.00	101.05	1,360	1,490	157 B J	507	<250	<1.00	<1.00	<3.00	<3.00	--	0.857 J	
B-4	05/24/2021	107.68	7.89	0.00	99.79	<100	<200	<200	<250	<250	<1.00	<1.00	<1.00	<3.00	--	<6.00	

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
MW-101	02/14/1992	99.51	6.94	--	92.57	45,000	--	33,000	--	--	--	--	--	--	--	--	--
MW-101	02/18/1992	99.51	6.88	--	92.63	--	--	--	--	--	--	--	--	--	--	--	--
MW-101	03/09/1992	99.51	6.76	--	92.75	--	--	--	--	--	--	--	--	--	--	--	--
MW-101	03/13/1992	99.51	7.02	--	92.49	--	--	--	--	--	--	--	--	--	--	--	--
MW-101	04/21/1992	99.51	7.73	--	91.78	--	--	--	--	--	--	--	--	--	--	--	--
MW-101	03/03/1994	99.51	--	--	--	73,000	--	1,730	--	<750	--	--	--	--	--	--	--
MW-101	08/22/1995	99.51	7.90	--	91.61	12,000	--	1,300	--	<750	--	--	--	--	--	--	--
MW-101	11/28/1995	99.51	6.12	--	93.39	49,000	--	1,400	--	<750	--	--	--	--	--	24	--
MW-101	03/12/1996	99.51	6.86	--	92.65	43,000	--	760	--	<750	--	--	--	--	--	9.3	--
MW-101	06/26/1996	99.51	7.59	--	91.92	22,000	--	656	--	<750	--	--	--	--	--	8.22	--
MW-101	10/09/1996	99.51	7.85	--	91.66	5,800	--	309	--	<750	--	--	--	--	--	4.24	--
MW-101	02/12/1997	99.51	6.55	--	92.96	33,900	--	1,090	--	<750	--	--	--	--	--	7.04	--
MW-101	04/22/1997	99.51	6.31	--	93.20	21,500	--	1,870	--	977	--	--	--	--	--	7.41	--
MW-101	11/11/1997	99.51	6.76	--	92.75	23,400	--	952	--	<750	--	--	--	--	--	11.3	--
MW-101	02/11/1998	99.51	6.78	--	92.73	28,400	--	793	--	<750	--	--	--	--	--	6.51	--
MW-101	05/28/1998	99.51	6.91	--	92.60	11,900	--	798	--	<750	--	--	--	--	--	4.71	--
MW-101	08/20/1998	99.51	8.30	--	91.21	4,400	--	414	--	<750	--	--	--	--	--	1.6	--
MW-101	11/19/1998	99.51	7.69	--	91.82	5,820	--	714	--	<750	--	--	--	--	--	1.7	--
MW-101	03/11/1999	99.51	6.17	--	93.34	38,500	--	1,200	--	<500	--	--	--	--	--	6.82	--
MW-101	05/25/1999	99.51	7.47	--	92.04	18,000	--	1,450	--	--	--	--	--	--	--	--	--
MW-101	08/17/1999	99.51	7.99	--	91.52	2,940	--	810	--	750	--	--	--	--	--	2.9	--
MW-101	11/19/1999	99.51	5.84	--	93.67	16,300	--	1,010	--	--	--	--	--	--	--	15.4	--
MW-101	03/09/2000	99.51	6.25	--	93.26	15,800	--	<250	--	<500	--	--	--	--	--	13	--
MW-101	06/13/2000	99.51	6.98	--	92.53	4,870	--	<250	--	<500	--	--	--	--	--	4.3	--
MW-101	09/26/2000	99.51	8.15	--	91.36	<500	--	--	--	<250	--	--	--	--	--	1.88	--
MW-101	12/13/2000	99.51	7.65	--	91.86	<500	--	988	--	442	--	--	--	--	--	1.13	--
MW-101	02/28/2001	99.51	7.25	--	92.26	2,710	--	<250	--	<500	--	--	--	--	--	2.45	--
MW-101	05/02/2001	99.51	9.55	--	89.96	2,280	--	<250	--	<500	--	--	--	--	--	2.6	--
MW-101	12/30/2003	99.54	6.04	0.00	93.50	<96	--	13,000	--	890	<5.0	0.6	260	290	--	27.9	--
MW-101	07/20/2004	99.54	8.18	0.00	91.36	1,040	--	<250	--	<500	3.01	<0.500	0.822	1.21	--	<1.0	--
MW-101	10/06/2004	99.51	7.54	0.00	91.97	<260	--	<81	--	<100	--	--	--	--	--	--	--
MW-101	01/27/2005	99.51	6.78	0.00	92.73	2,900	--	190	--	<100	--	--	--	--	--	--	--
MW-101	04/12/2005	99.51	6.32	0.00	93.19	1,700	--	160	--	<100	--	--	--	--	--	--	--
MW-101	07/18/2005	99.51	7.78	0.00	91.73	240	--	93	--	<99	--	--	--	--	--	--	--
MW-101	10/21/2005	99.51	7.75	0.00	91.76	470	--	110	--	<100	--	--	--	--	--	--	--
MW-101	09/05/2007	99.51	8.22	0.00	91.29	200	--	110	--	140	--	--	--	--	--	1.2	--
MW-101	5/27-28/2008	99.51	7.71	0.00	91.80	410	--	<80	--	<99	<0.5	<0.5	0.5	<0.5	<0.5	1.2	LFP
MW-101	8/27-29/2008	99.51	7.75	0.00	91.76	450	--	<79	--	<99	<0.5	<0.5	<0.5	<0.5	<0.5	0.39	LFP
MW-101	11/17-19/2008	99.51	6.33	0.00	93.18	520	--	74	--	<68	<0.5	<0.5	1	<0.5	<0.5	1.1	LFP
MW-101	2/16-18/2009	99.51	7.43	0.00	92.08	590	--	68	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.96	LFP
MW-101	5/4-6/2009	99.51	6.93	0.00	92.58	370	--	66	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.39	LFP
MW-101	8/19-21/2009	99.51	8.16	0.00	91.35	510	--	65	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.22	LFP
MW-101	11/18-20/2009	99.51	4.97	0.00	94.54	84	--	42	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	1	LFP
MW-101	2/8-10/2010	99.51	6.82	0.00	92.69	970	--	130	--	190	<0.5	<0.5	1	<0.5	<0.5	2.1	LFP
MW-101	5/12-13/2010	99.51	7.32	0.00	92.19	470	--	64	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.65	LFP
MW-101	08/12/2010	99.51	7.96	0.00	91.55	370	--	52	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.24	LFP
MW-101																	NOT PART OF MONITORING/SAMPLING PROGRAM
MW-102	02/14/1992	--	6.94	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-102	02/18/1992	--	6.88	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-102	03/09/1992	--	6.76	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-102	03/13/1992	--	7.02	0.00	--	150	--	--	--	--	--	--	--	--	--	--	--
MW-102	04/21/1992	--	7.72	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-102																	NOT PART OF MONITORING/SAMPLING PROGRAM
MW-104	02/14/1992	100.45	8.86	0.00	91.59	--	--	--	--	--	--	--	--	--	--	--	--
MW-104	02/18/1992	100.45	8.84	0.00	91.61	--	--	--	--	--	--	--	--	--	--	--	--
MW-104	03/09/1992	100.45	8.73	0.00	91.72	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
MW-104	03/13/1992	100.45	8.84	0.00	91.61	<50	--	--	--	--	--	--	--	--	--	--	
MW-104	04/21/1992	100.45	8.72	0.00	91.73	--	--	--	--	--	--	--	--	--	--	--	
MW-104	08/22/1995	100.45	9.30	0.00	91.15	<50	--	<250	--	<750	--	--	--	--	--	--	
MW-104	11/27/1995	100.45	8.39	0.00	92.06	--	--	--	--	--	--	--	--	--	--	--	
MW-104	03/12/1996	100.45	8.78	0.00	91.67	--	--	--	--	--	--	--	--	--	--	--	
MW-104	06/27/1996	100.45	9.00	0.00	91.45	--	--	--	--	--	--	--	--	--	--	--	
MW-104	10/10/1996	100.45	9.18	0.00	91.27	--	--	--	--	--	--	--	--	--	--	--	
MW-104	02/12/1997	100.45	8.65	0.00	91.80	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-104	04/22/1997	100.45	8.50	0.00	91.95	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-104	08/05/1997	100.45	9.20	0.00	91.25	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-104	11/11/1997	100.45	8.81	0.00	91.64	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-104	02/11/1998	100.45	8.83	0.00	91.62	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-104	05/28/1998	100.45	8.97	0.00	91.48	<50	--	<250	--	<750	--	--	--	--	--	--	9.54
MW-104	08/20/1998	100.45	9.51	0.00	90.94	<50	--	<250	--	<750	--	--	--	--	--	--	<1.0
MW-104	11/19/1998	100.45	9.82	0.00	90.63	<50	--	<250	--	<750	--	--	--	--	--	--	<1.0
MW-104	03/11/1999	100.45	8.48	0.00	91.97	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-104	05/25/1999	100.45	8.96	0.00	91.49	<80	--	<250	--	--	--	--	--	--	--	--	--
MW-104	08/17/1999	100.45	9.24	0.00	91.21	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-104	11/19/1999	100.45	8.40	0.00	92.05	<80	--	<250	--	--	--	--	--	--	--	--	1.0
MW-104	03/09/2000	100.45	8.49	0.00	91.96	<80	--	<250	--	<50	--	--	--	--	--	--	<1.0
MW-104	06/13/2000	100.45	8.89	0.00	91.56	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-104	09/26/2000	100.45	9.32	0.00	91.13	--	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-104	12/13/2000	100.45	9.09	0.00	91.36	--	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-104	02/28/2001	100.45	8.89	0.00	91.56	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-104	05/02/2001	100.45	8.79	0.00	91.66	103	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-104	10/31/2003	100.44	9.15	0.00	91.29	<50	--	<250	--	<500	<0.500	<0.500	<0.500	<1.00	--	--	<1.0
MW-104	12/30/2003	100.44	8.39	0.00	92.05	<96	--	<50	--	<77	<0.5	<0.5	<0.5	<1.5	--	--	<1.2
MW-104	10/07/2004	100.45	9.09	0.00	91.36	<50	--	<83	--	<100	--	--	--	--	--	--	--
MW-104	10/20/2005	100.45	9.19	0.00	91.26	<48	--	<82	--	<100	--	--	--	--	--	--	--
MW-104	09/06/2007	100.45	9.42	0.00	91.03	<50	--	<79	--	<98	--	--	--	--	--	--	0.087
MW-104	8/27-29/2008	100.45	9.23	0.00	91.22	<50	--	<79	--	<99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-104	11/17-19/2008	100.46	8.75	0.00	91.71	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-104	2/16-18/2009	100.46	9.01	0.00	91.45	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.1	LFP
MW-104	5/4-6/2009	100.46	8.88	0.00	91.58	<50	--	38	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-104	8/19-21/2009	100.46	9.32	0.00	91.14	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	0.057	LFP
MW-104	11/18-20/2009	100.46	8.08	0.00	92.38	98	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.11	LFP
MW-104	2/8-10/2010	100.46	8.76	0.00	91.70	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.053	LFP
MW-104																	MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED
MW-105	02/14/1992	96.14	3.36	0.00	92.78	--	--	--	--	--	--	--	--	--	--	--	
MW-105	02/18/1992	96.14	3.34	0.00	92.80	--	--	--	--	--	--	--	--	--	--	--	
MW-105	03/09/1992	96.14	3.25	0.00	92.89	--	--	--	--	--	--	--	--	--	--	--	
MW-105	03/13/1992	96.14	3.60	0.00	92.54	<50	--	--	--	--	--	--	--	--	--	--	
MW-105	04/21/1992	96.14	3.40	0.00	92.74	--	--	--	--	--	--	--	--	--	--	--	
MW-105	08/22/1995	96.14	5.08	0.00	91.06	<50	--	<250	--	900	--	--	--	--	--	--	
MW-105	11/28/1995	96.14	2.53	0.00	93.61	--	--	--	--	--	--	--	--	--	--	--	
MW-105	03/12/1996	96.14	3.37	0.00	92.77	--	--	--	--	--	--	--	--	--	--	--	
MW-105	06/26/1996	96.14	4.74	0.00	91.40	--	--	--	--	--	--	--	--	--	--	--	
MW-105	10/09/1996	96.14	4.93	0.00	91.21	--	--	--	--	--	--	--	--	--	--	--	
MW-105	02/12/1997	96.14	3.19	0.00	92.95	<50	--	<250	--	<750	--	--	--	--	--	--	2
MW-105	04/22/1997	96.14	3.08	0.00	93.06	<50	--	<250	--	<750	--	--	--	--	--	--	2
MW-105	08/05/1997	96.14	4.85	0.00	91.29	<50	--	<250	--	<750	--	--	--	--	--	--	2
MW-105	11/11/1997	96.14	3.11	0.00	93.03	<50	--	<250	--	<750	--	--	--	--	--	--	2
MW-105	02/11/1998	96.14	3.24	0.00	92.90	<50	--	<250	--	<750	--	--	--	--	--	--	2
MW-105	05/28/1998	96.14	3.91	0.00	92.23	<50	--	<250	--	<750	--	--	--	--	--	--	6.62
MW-105	08/20/1998	96.14	5.28	0.00	90.86	<50	--	<250	--	<750	--	--	--	--	--	--	<1.00
MW-105	11/19/1998	96.14	5.37	0.00	90.77	<50	--	<250	--	<750	--	--	--	--	--	--	<1.00
MW-105	03/11/1999	96.14	2.43	0.00	93.71	<80	--	<250	--	<500	--	--	--	--	--	--	<1.00

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
MW-105	05/25/1999	96.14	4.29	0.00	91.85	<80	--	<250	--	--	--	--	--	--	--	--	--
MW-105	08/17/1999	96.14	5.06	0.00	91.08	<80	--	<250	--	<500	--	--	--	--	--	--	<1.00
MW-105	11/19/1999	96.14	3.08	0.00	93.06	<80	--	<250	--	--	--	--	--	--	--	--	<1.00
MW-105	03/09/2000	96.14	2.75	0.00	93.39	<80	--	<250	--	<500	--	--	--	--	--	--	<1.00
MW-105	06/13/2000	96.14	4.45	0.00	91.69	<80	--	<250	--	<500	--	--	--	--	--	--	<1.00
MW-105	09/26/2000	96.14	5.20	0.00	90.94	--	--	<250	--	<500	--	--	--	--	--	--	<1.00
MW-105	12/13/2000	96.14	4.67	0.00	91.47	--	--	<250	--	<500	--	--	--	--	--	--	1.37
MW-105	02/28/2001	96.14	3.92	0.00	92.22	<80	--	<250	--	<500	--	--	--	--	--	--	<1.00
MW-105	05/02/2001	96.14	3.53	0.00	92.61	87	--	<250	--	<750	--	--	--	--	--	--	<1.00
MW-105	12/31/2003	96.15	2.45	0.00	93.70	<500	--	<50	--	<400	<0.5	<0.5	<0.5	<1.5	--	--	<1.2
MW-105	05/03/2004	96.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-105	07/20/2004	96.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-105	10/07/2004	96.14	4.71	0.00	91.43	<50	--	<160	--	<200	--	--	--	--	--	--	--
MW-105	10/20/2005	96.14	5.16	0.00	90.98	<48	--	<82	--	<100	--	--	--	--	--	--	--
MW-105	09/06/2007	96.14	5.34	0.00	90.80	<50	--	<100	--	<81	--	--	--	--	--	--	0.47
MW-105	5/27-28/2008	96.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-105	8/27-29/2008	96.14	5.16	0.00	90.98	<50	--	<81	--	<100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-105	11/17-19/2008	96.14	3.75	0.00	92.39	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-105	2/16-18/2009	96.14	6.15	0.00	89.99	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-105	5/4-6/2009	96.14	3.68	0.00	92.46	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-105	8/19-21/2009	96.14	5.25	0.00	90.89	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.064	LFP
MW-105	11/18-20/2009	96.14	1.56	0.00	94.58	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.053	LFP
MW-105	2/8-10/2010	96.14	3.37	0.00	92.77	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.078	LFP
MW-105						MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED											
MW-106	02/14/1992	99.71	8.18	0.00	91.53	--	--	--	--	--	--	--	--	--	--	--	--
MW-106	02/18/1992	99.71	8.20	0.00	91.51	--	--	--	--	--	--	--	--	--	--	--	--
MW-106	03/09/1992	99.71	8.04	0.00	91.67	--	--	--	--	--	--	--	--	--	--	--	--
MW-106	03/13/1992	99.71	8.18	0.00	91.53	<50	--	--	--	--	--	--	--	--	--	--	--
MW-106	04/21/1992	99.71	8.02	0.00	91.69	--	--	--	--	--	--	--	--	--	--	--	--
MW-106	08/22/1995	99.71	8.79	0.00	90.92	<50	--	<250	--	<750	--	--	--	--	--	--	--
MW-106	11/28/1995	99.71	7.63	0.00	92.08	--	--	--	--	--	--	--	--	--	--	--	--
MW-106	03/12/1996	99.71	8.04	0.00	91.67	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-106	06/26/1996	99.71	8.61	0.00	91.10	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-106	10/09/1996	99.71	8.65	0.00	91.06	<50	--	<250	--	<750	--	--	--	--	--	--	2.16
MW-106	02/12/1997	99.71	7.95	0.00	91.76	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-106	04/22/1997	99.71	7.73	0.00	91.98	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-106	08/05/1997	99.71	8.68	0.00	91.03	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-106	11/11/1997	99.71	8.07	0.00	91.64	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-106	02/11/1998	99.71	8.12	0.00	91.59	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-106	05/28/1998	99.71	8.35	0.00	91.36	<50	--	<250	--	<750	--	--	--	--	--	--	4.53
MW-106	08/20/1998	99.71	8.96	0.00	90.75	<50	--	<250	--	<750	--	--	--	--	--	--	<1.0
MW-106	11/19/1998	99.71	9.37	0.00	90.34	<50	--	<250	--	<750	--	--	--	--	--	--	<1.0
MW-106	03/11/1999	99.71	7.70	0.00	92.01	<80	--	<250	--	<50	--	--	--	--	--	--	1.1
MW-106	05/25/1999	99.71	8.32	0.00	91.39	<80	--	<250	--	--	--	--	--	--	--	--	--
MW-106	08/17/1999	99.71	8.70	0.00	91.01	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-106	11/19/1999	99.71	7.88	0.00	91.83	<80	--	<250	--	--	--	--	--	--	--	--	<1.0
MW-106	03/09/2000	99.71	7.74	0.00	91.97	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-106	06/13/2000	99.71	8.39	0.00	91.32	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-106	09/26/2000	99.71	8.79	0.00	90.92	--	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-106	12/13/2000	99.71	8.51	0.00	91.20	--	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-106	02/28/2001	99.71	8.18	0.00	91.53	<80	--	<250	--	<500	--	--	--	--	--	--	<2.0
MW-106	05/02/2001	99.71	8.17	0.00	91.54	88	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-106	10/30/2002	99.73	8.98	0.00	90.75	<80	--	<250	--	<500	<0.500	<0.500	<0.500	<1.00	--	--	<1.0
MW-106	01/23/2003	99.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-106	04/18/2003	99.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-106	07/11/2003	99.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-106	10/31/2003	99.73	8.52	0.00	91.21	<50	--	<250	--	<500	<0.500	<0.500	<0.500	<1.00	--	--	<1.0



Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
MW-106	12/31/2003	99.73	7.54	0.00	92.19	<98	--	<50	--	<78	<0.5	<0.5	<0.5	<1.5	--	<1.2	
MW-106	05/03/2004	99.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-106	07/20/2004	99.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-106	10/07/2004	99.71	8.50	0.00	91.21	<50	--	<78	--	<97	--	--	--	--	--	--	
MW-106	10/20/2005	99.71	8.70	0.00	91.01	<48	--	<82	--	<100	--	--	--	--	--	--	
MW-106	09/06/2007	99.71	8.88	0.00	90.83	<50	--	<80	--	<100	--	--	--	--	--	0.13	
MW-106	5/27-28/2008	99.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-106	8/27-29/2008	99.71	8.72	0.00	90.99	<50	--	<79	--	<99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-106	11/17-19/2008	99.71	8.18	0.00	91.53	<50	--	30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-106	2/16-18/2009	99.71	8.40	0.00	91.31	<50	--	<29	--	<67	<0.5	<0.5	<0.5	<0.5	<0.5	0.072	LFP
MW-106	5/4-6/2009	99.71	8.30	0.00	91.41	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-106	8/19-21/2009	99.71	8.65	0.00	91.06	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-106	11/18-20/2009	99.71	7.40	0.00	92.31	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	0.11	LFP
MW-106	2/8-10/2010	99.71	8.05	0.00	91.66	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-106																	MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED
MW-107	02/14/1992	100.00	8.50	0.00	91.50	--	--	--	--	--	--	--	--	--	--	--	
MW-107	02/18/1992	100.00	8.50	0.00	91.50	--	--	--	--	--	--	--	--	--	--	--	
MW-107	03/09/1992	100.00	8.36	0.00	91.64	--	--	--	--	--	--	--	--	--	--	--	
MW-107	03/13/1992	100.00	8.52	0.00	91.48	<50	--	--	--	--	--	--	--	--	--	--	
MW-107	04/21/1992	100.00	8.36	0.00	91.64	--	--	--	--	--	--	--	--	--	--	--	
MW-107	08/22/1995	100.00	9.06	0.00	90.94	<50	--	<250	--	<750	--	--	--	--	--	--	
MW-107	11/28/1995	100.00	8.00	0.00	92.00	--	--	--	--	--	--	--	--	--	--	--	
MW-107	03/12/1996	100.00	8.36	0.00	91.64	--	--	--	--	--	--	--	--	--	--	--	
MW-107	06/26/1996	100.00	8.89	0.00	91.11	--	--	--	--	--	--	--	--	--	--	--	
MW-107	10/09/1996	100.00	8.94	0.00	91.06	--	--	--	--	--	--	--	--	--	--	--	
MW-107	02/12/1997	100.00	8.25	0.00	91.75	<50	--	<250	--	<750	--	--	--	--	--	<2.0	
MW-107	04/22/1997	100.00	8.05	0.00	91.95	<50	--	<250	--	<750	--	--	--	--	--	<2.0	
MW-107	08/05/1997	100.00	8.95	0.00	91.05	<50	--	<250	--	<809	--	--	--	--	--	<2.0	
MW-107	11/11/1997	100.00	8.37	0.00	91.63	<50	--	<250	--	750	--	--	--	--	--	<2.0	
MW-107	02/11/1998	100.00	8.44	0.00	91.56	<50	--	351	--	750	--	--	--	--	--	<2.0	
MW-107	05/28/1998	100.00	8.73	0.00	91.27	<50	--	<250	--	754	--	--	--	--	--	--	
MW-107	08/20/1998	100.00	9.24	0.00	90.76	<50	--	<250	--	750	--	--	--	--	--	1	
MW-107	11/19/1998	100.00	9.65	0.00	90.35	<50	--	<250	--	750	--	--	--	--	--	<1.0	
MW-107	03/11/1999	100.00	8.08	0.00	91.92	<80	--	539	--	750	--	--	--	--	--	<1.0	
MW-107	05/25/1999	100.00	8.82	0.00	91.18	<80	--	<250	--	<500	--	--	--	--	--	--	
MW-107	08/17/1999	100.00	8.10	0.00	91.90	<80	--	<250	--	--	--	--	--	--	--	<1.0	
MW-107	11/19/1999	100.00	8.21	0.00	91.79	<80	--	<250	--	<500	--	--	--	--	--	<1.0	
MW-107	03/09/2000	100.00	8.08	0.00	91.92	<80	--	<250	--	--	--	--	--	--	--	<1.0	
MW-107	06/13/2000	100.00	8.88	0.00	91.12	<80	--	<250	--	<500	--	--	--	--	--	<1.0	
MW-107	09/26/2000	100.00	9.07	0.00	90.93	--	--	<250	--	<500	--	--	--	--	--	<1.0	
MW-107	12/13/2000	100.00	8.78	0.00	91.22	--	--	<250	--	<500	--	--	--	--	--	<1.0	
MW-107	02/28/2001	100.00	8.63	0.00	91.37	<80	--	<250	--	<500	--	--	--	--	--	<1.0	
MW-107	05/02/2001	100.00	8.63	0.00	91.37	88	--	<250	--	<500	--	--	--	--	--	<1.0	
MW-107	10/30/2002	100.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-107	01/23/2003	100.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-107	04/18/2003	100.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-107	07/11/2003	100.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-107	10/31/2003	100.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-107	12/31/2003	100.00	7.92	0.00	92.08	150	--	<50	--	85	<0.5	<0.5	<0.5	<1.5	--	<1.2	
MW-107	05/03/2004	100.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-107	07/20/2004	100.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-107	10/07/2004	100.00	8.78	0.00	91.22	<50	--	<80	--	<100	--	--	--	--	--	--	
MW-107	10/20/2005	100.00	8.97	0.00	91.03	<48	--	<81	--	<100	--	--	--	--	--	--	
MW-107	09/06/2007	100.00	9.18	0.00	90.82	<50	--	<78	--	<98	--	--	--	--	--	0.07	
MW-107	5/27-28/2008	100.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-107	8/27-29/2008	100.00	8.98	0.00	91.02	<50	--	<79	--	<99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-107	11/17-19/2008	100.00	8.46	0.00	91.54	<50	--	38	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington



Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
MW-107	2/16-18/2009	100.00	8.62	0.00	91.38	<50	--	35	--	70	<0.5	<0.5	<0.5	<0.5	<0.5	0.068	LFP
MW-107	5/4-6/2009	100.00	8.95	0.00	91.05	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-107	8/19-21/2009	100.00	9.11	0.00	90.89	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	0.27	LFP
MW-107	11/18-20/2009	100.00	7.77	0.00	92.23	<50	--	99	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-107	2/8-10/2010	100.00	8.25	0.00	91.75	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-107						MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED											
MW-108	02/14/1992	99.79	8.10	0.00	91.69	--	--	--	--	--	--	--	--	--	--	--	
MW-108	02/18/1992	99.79	8.62	0.00	91.17	--	--	--	--	--	--	--	--	--	--	--	
MW-108	03/09/1992	99.79	8.49	0.00	91.30	--	--	--	--	--	--	--	--	--	--	--	
MW-108	03/13/1992	99.79	8.63	0.00	91.16	<50	--	--	--	--	--	--	--	--	--	--	
MW-108	04/21/1992	99.79	8.47	0.00	91.32	--	--	--	--	--	--	--	--	--	--	--	
MW-108	08/22/1995	99.79	9.04	0.00	90.75	<50	--	<250	--	<750	--	--	--	--	--	--	
MW-108	11/28/1995	99.79	7.98	0.00	91.81	--	--	--	--	--	--	--	--	--	--	--	
MW-108	03/12/1996	99.79	8.50	0.00	91.29	--	--	--	--	--	--	--	--	--	--	--	
MW-108	06/26/1996	99.79	8.86	0.00	90.93	--	--	--	--	--	--	--	--	--	--	--	
MW-108	10/09/1996	99.79	8.91	0.00	90.88	--	--	--	--	--	--	--	--	--	--	--	
MW-108	02/12/1997					MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED											
MW-108	04/22/1997	99.79	8.08	0.00	91.71	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-108	08/05/1997	99.79	8.94	0.00	90.85	<50	--	<250	--	825	--	--	--	--	--	--	<2.0
MW-108	11/11/1997	99.79	8.53	0.00	91.26	<50	--	<250	--	<750	--	--	--	--	--	--	<2.0
MW-108	02/11/1998	99.79	8.59	0.00	91.20	<50	--	<250	--	873	--	--	--	--	--	--	<2.0
MW-108	05/28/1998	99.79	8.72	0.00	91.07	<50	--	<250	--	<750	--	--	--	--	--	--	4.27
MW-108	08/20/1998	99.79	9.20	0.00	90.59	<50	--	<250	--	<750	--	--	--	--	--	--	<1.0
MW-108	11/19/1998	99.79	9.60	0.00	90.19	<50	--	<250	--	<750	--	--	--	--	--	--	<1.0
MW-108	03/11/1999	99.79	8.16	0.00	91.63	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-108	05/25/1999	99.79	8.69	0.00	91.10	<80	--	<250	--	--	--	--	--	--	--	--	--
MW-108	08/17/1999	99.79	8.96	0.00	90.83	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-108	11/19/1999	99.79	8.08	0.00	91.71	<80	--	<250	--	--	--	--	--	--	--	--	<1.0
MW-108	03/09/2000	99.79	8.16	0.00	91.63	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-108	06/13/2000	99.79	8.69	0.00	91.10	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-108	09/26/2000	99.79	9.04	0.00	90.75	--	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-108	12/13/2000	99.79	8.81	0.00	90.98	--	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-108	02/28/2001	99.79	8.60	0.00	91.19	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-108	05/02/2001	99.79	8.53	0.00	91.26	<80	--	<250	--	<500	--	--	--	--	--	--	<1.0
MW-108	10/30/2002	99.79	9.24	0.00	90.55	<80	--	<250	--	<500	<0.500	<0.500	<0.500	<1.0	--	--	<1.0
MW-108	01/23/2003	99.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-108	04/18/2003	99.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-108	07/11/2003	99.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-108	10/31/2003	99.79	8.82	0.00	90.97	<50.0	--	<250	--	<500	<0.500	<0.500	<0.500	<1.0	--	--	<1.0
MW-108	12/31/2003	99.79	7.95	0.00	91.84	<97	--	<50	--	<77	<0.5	<0.5	<0.5	<1.5	--	--	<1.2
MW-108	05/03/2004	99.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-108	07/20/2004	99.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-108	10/07/2004	99.79	8.80	0.00	90.99	<50	--	<80	--	<100	--	--	--	--	--	--	--
MW-108	10/20/2005	99.79	8.89	0.00	90.90	<48	--	<81	--	<100	--	--	--	--	--	--	--
MW-108	10/20/2005 (D)	99.79	8.89	0.00	90.90	<48	--	<81	--	<100	--	--	--	--	--	--	--
MW-108	09/06/2007	99.79	9.15	0.00	90.64	<50	--	<80	--	<100	--	--	--	--	--	0.12	
MW-108	5/27-28/2008	99.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-108	8/27-29/2008	99.79	9.00	0.00	90.79	<50	--	<78	--	<98	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-108	11/17-19/2008	99.79	8.48	0.00	91.31	<50	--	<30	--	<70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-108	2/16-18/2009	99.79	8.74	0.00	91.05	<50	--	1,100	--	230	<0.5	<0.5	<0.5	<0.5	<0.5	0.070	LFP
MW-108	5/4-6/2009	99.79	8.62	0.00	91.17	<50	--	<29	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-108	8/19-21/2009	99.79	9.07	0.00	90.72	<50	--	<30	--	<69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-108	11/18-20/2009	99.79	7.64	0.00	92.15	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-108	2/8-10/2010	99.79	8.50	0.00	91.29	<50	--	<29	--	<68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	LFP
MW-108						MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED											
TPWHD	11/7/2020	--	--	--	--	55.9 B J	<200	<200	<250	<250	<1.00	<1.00	<1.00	<3.00	--	<5.00	

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
 COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
 101 Mulford Road  
 Toledo, Washington

Well	Date	TOC	DTW	NAPL	GWE	TPH-GRO	TPH-DRO	TPH-DRO w/Si gel	TPH-HRO	TPH-HRO w/Si gel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead	Comments
TRIP BLANK	10/30/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TRIP BLANK	01/23/2003	--	--	--	--	<80	--	--	--	--	<0.500	<0.500	<0.500	<1.0	--	--	--
TRIP BLANK	04/18/2003	--	--	--	--	<50	--	--	--	--	<0.500	<0.500	<0.500	<1.0	--	--	--
QA	07/11/2003	--	--	--	--	<50	--	--	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
QA	10/31/2003	--	--	--	--	<50	--	--	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
QA	12/31/2003	--	--	--	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--	--	--
QA	5/3/2004 <sup>5</sup>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
QA	07/20/2004	--	--	--	--	<50	--	--	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
QA	5/27-28/2008	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	8/27-29/2008	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	11/17-19/2008	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	2/16-18/2009	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	5/4-6/2009	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	8/19-21/2009	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	11/18-20/2009	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	2/8-10/2010	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	5/12-13/2010	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	08/11/2010	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	11/3-4/2010	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	2/3-4/2011	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	05/23/2011	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	8/23-24/11	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	11/7-9/2011	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	2/6-8/2012	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	5/2-4/2012	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	8/1-3/2012	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	11/26-28/2012	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	2/4-6/2013	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	5/6-8/2013	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	9/9-13/2013	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	11/18-22/2013	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	2/4-11/2014	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	6/12-14/2014	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	8/18-21/2014	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	11/19-20/2014	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	2/17-20/2014	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	5/11-15/2015	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	8/10-11/2015	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	11/16-18/2015	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	5/13-14/2016	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	11/14/2016	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	05/14/2017	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	11/11-12/2017	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	05/11/2018	--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
QA	11/11-12/2018	--	--	--	--	<19	--	--	--	--	<0.2	<0.2	<0.4	<1	--	--	--
QA	04/27/2019	--	--	--	--	<19	--	--	--	--	<0.2	<0.2	<0.4	<1	--	--	--
QA	11/03/2019	--	--	--	--	<19	--	--	--	--	<0.2	<0.2	<0.4	<1	--	--	--
QA	05/06/2020	--	--	--	--	38.7 B J	--	--	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--
QA	11/7/2020	--	--	--	--	43.1 B J	--	--	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--

Table 2. Historical Groundwater Gauging Data and Select Analytical Results  
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556  
101 Mulford Road  
Toledo, Washington

**Notes:**

800/1,000 = GRO MTCA Method A CUL with benzene present is 800 µg/L and without is 1,000 µg/L

**BOLD and highlighted** values exceed their respective MTCA Method A cleanup level

**BOLD** values are non-detect do not exceed the laboratory method detection limit (MDL), but the MDL exceeds the MTCA Method A cleanup level  
Results reported in micrograms per liter (µg/L)

**Abbreviations:**

TOC = Top of Casing in feet above North American Vertical Datum of 1988 (NAVD 88)

DTW = Depth to water in feet below TOC

NAPL = Non-aqueous phase liquid thickness in feet

GWE = Groundwater elevation in feet relative to NAVD88

-- = Not applicable, not available, or not analyzed

MTCA = Model Toxics Control Act Cleanup

CUL = Cleanup Level

DUP = Blind duplicate sample results

LFP = Low flow (purge) sample

QA = Quality Assurance

**Laboratory Qualifiers:**

< = Not detected at or above the laboratory Reporting Limit (RL) or Limit of Quantification (LOQ)

J = Estimated value; result is greater than the laboratory Method Detection Limit (MDL) but less than the RL or LOQ.

B = The same analyte is found in the associated blank.

**Analytical Methods:**

Samples analyzed by USEPA Method 8260

BTEX = benzene, toluene, ethylbenzene, and total xylenes

MTBE = Methyl tertiary butyl ether

TPH-GRO = Total Petroleum Hydrocarbons as Gasoline Range Organics analyzed by NWTPH-Gx

Samples analyzed by NWTPH-Dx

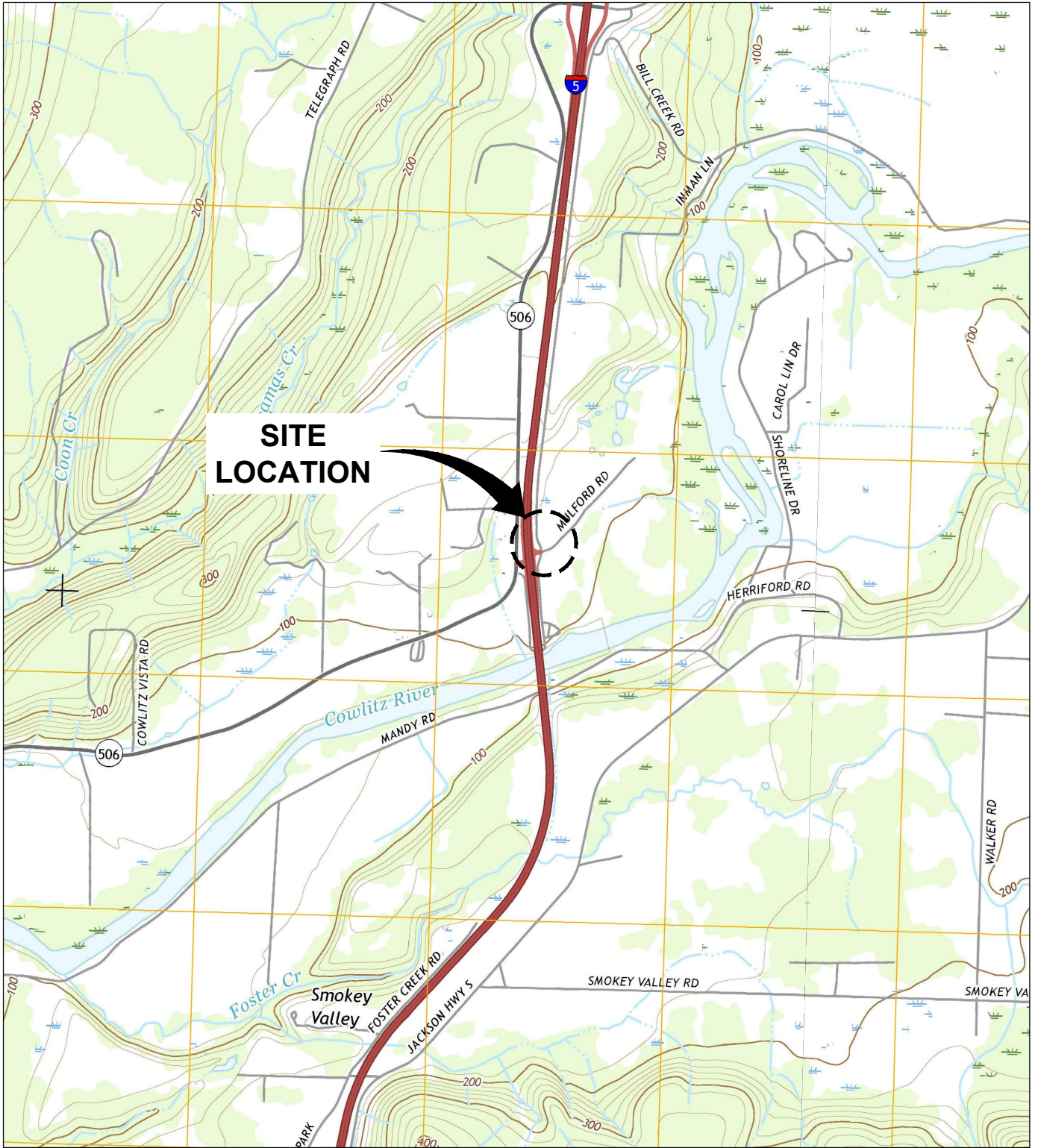
TPH-DRO = Total Petroleum Hydrocarbon as Diesel Range Organics

TPH-HRO = Total Petroleum Hydrocarbons as Heavy Oil Range Organics

Dissolved Lead analyzed by USEPA 6010D

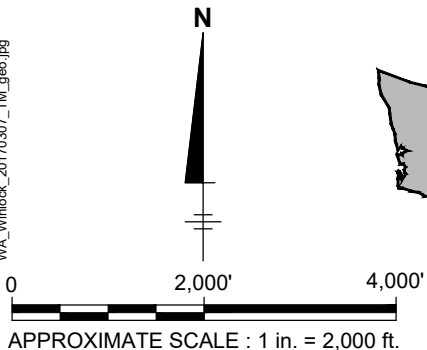
# FIGURES





REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., WINLOCK, WA, 2017 AND TOLEDO, WA, 2017.

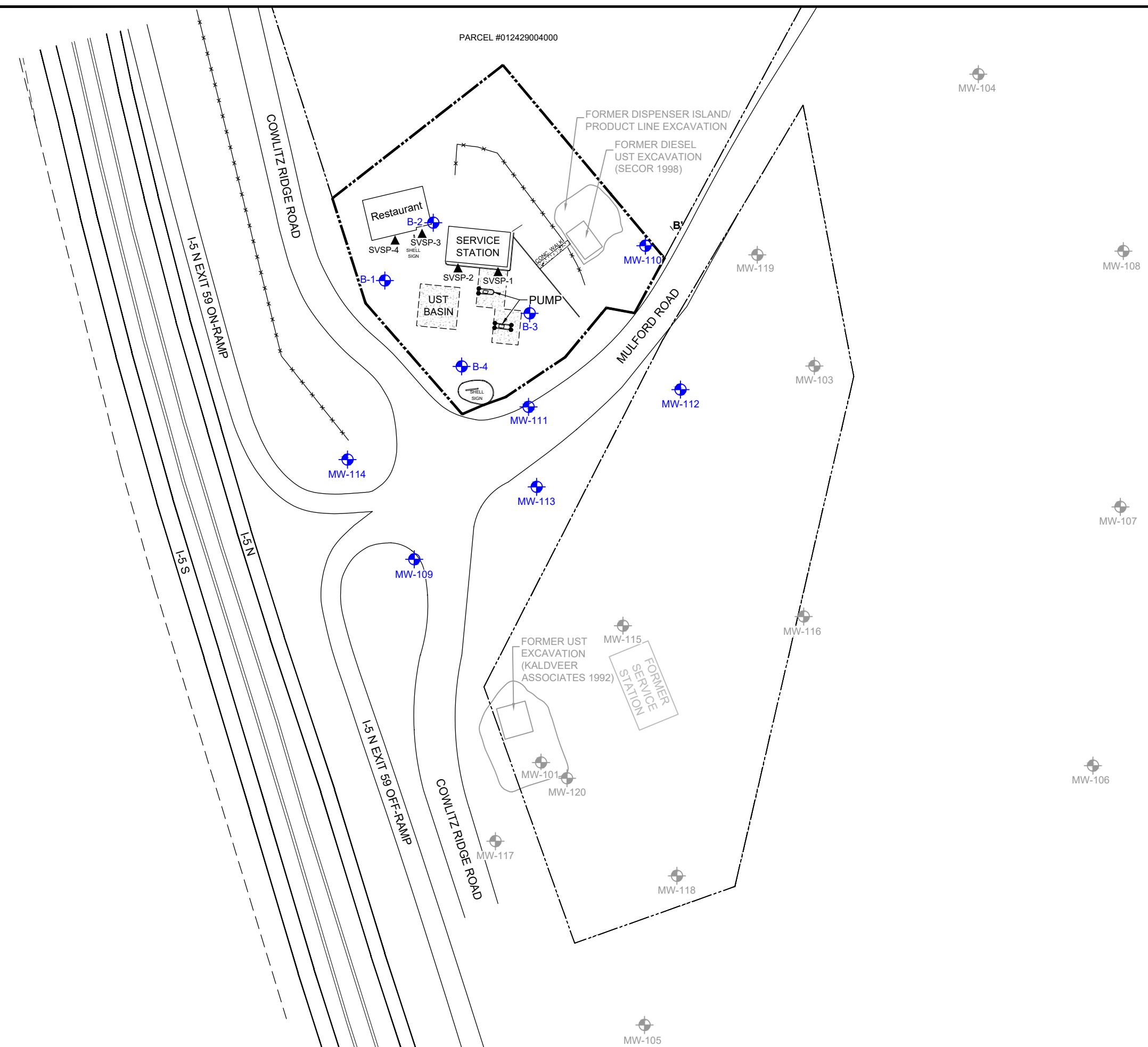
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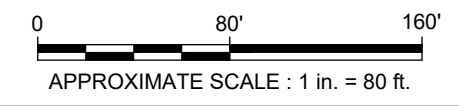
COWLITZ BP / COWLITZ FOOD AND FUEL /  
 FORMER TEXACO SERVICE STATION No. 211556  
 101 MULFORD ROAD  
 TOLEDO, WASHINGTON

**SITE LOCATION MAP**

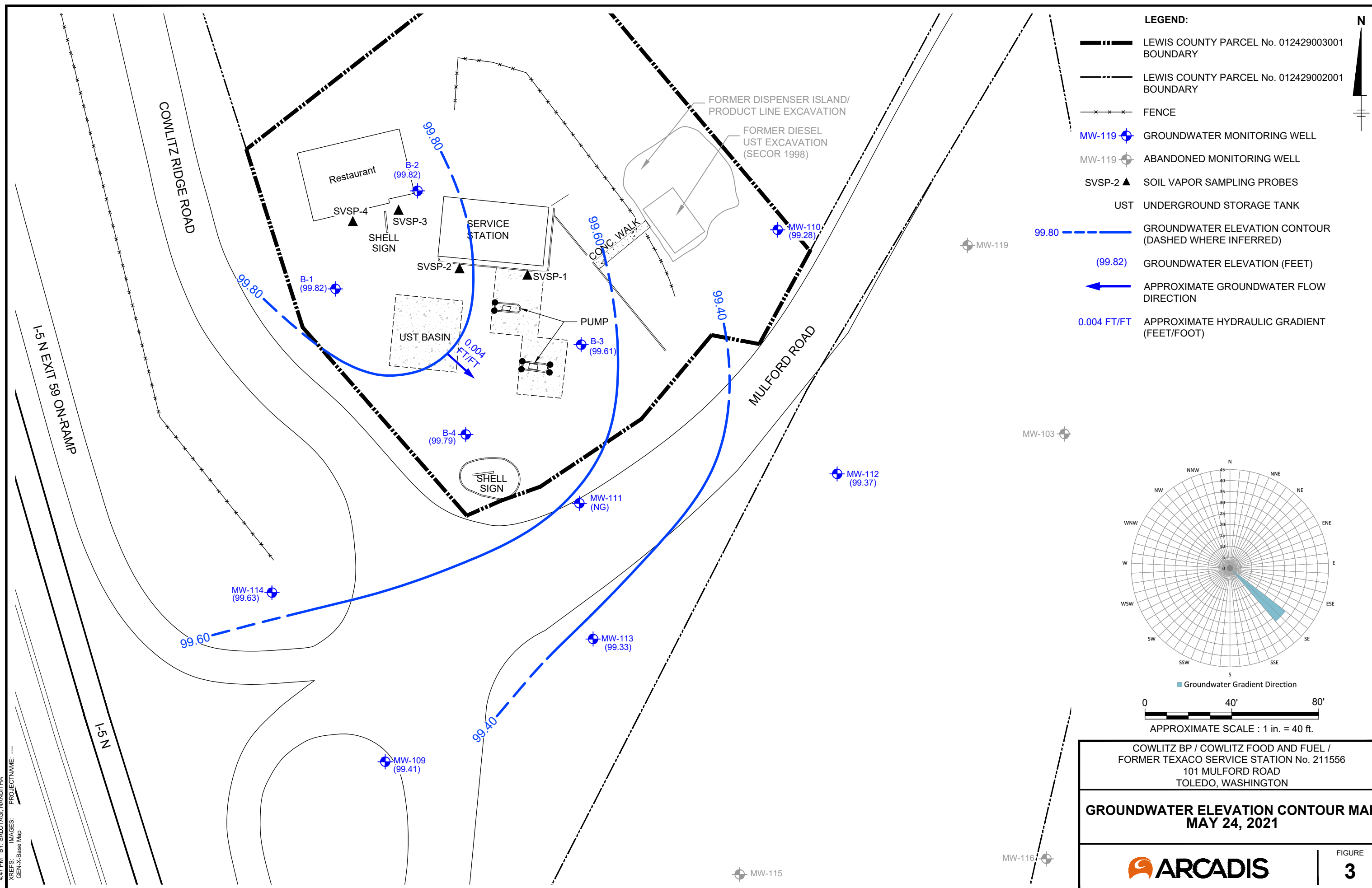




- LEGEND:**
- LEWIS COUNTY PARCEL No. 012429003001 BOUNDARY
  - LEWIS COUNTY PARCEL No. 012429002001 BOUNDARY
  - FENCE
  - MW-119 GROUNDWATER MONITORING WELL
  - MW-108 ABANDONED MONITORING WELL
  - SVSP-2 SOIL VAPOR SAMPLING PROBES
  - UST UNDERGROUND STORAGE TANK

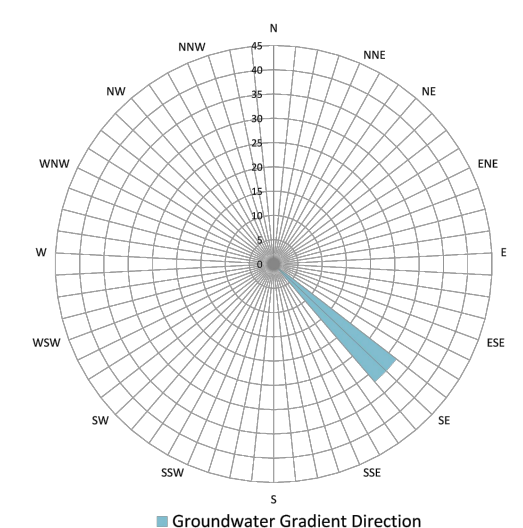


COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION No. 211556 101 MULFORD ROAD TOLEDO, WASHINGTON	
<b>SITE PLAN</b>	
	FIGURE <b>2</b>



**LEGEND:**

- LEWIS COUNTY PARCEL No. 012429003001 BOUNDARY
- LEWIS COUNTY PARCEL No. 012429002001 BOUNDARY
- FENCE
- MW-119 GROUNDWATER MONITORING WELL
- MW-119 ABANDONED MONITORING WELL
- SVSP-2 SOIL VAPOR SAMPLING PROBES
- UST UNDERGROUND STORAGE TANK
- 99.80 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (99.82) GROUNDWATER ELEVATION (FEET)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- 0.004 FT/FT APPROXIMATE HYDRAULIC GRADIENT (FEET/FOOT)



COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION No. 211556  
101 MULFORD ROAD  
TOLEDO, WASHINGTON

**GROUNDWATER ELEVATION CONTOUR MAP  
MAY 24, 2021**





B-2	
Sample Date	05/24/2021
TPH-GRO	258 B
TPH-DRO	<b>657</b>
TPH-DRO w/Si el	92.0 J
TPH-HRO	147 J
TPH-HRO w/Si gel	<250
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	5.4
Xylenes (Total)	0.243 J
Lead	<6.00

B-1	
Sample Date	05/24/2021
TPH-GRO	462 B [ <b>&lt;100</b> ]
TPH-DRO	137 J [ <b>&lt;200</b> ]
TPH-DRO w/Si el	137 J [ <b>&lt;200</b> ]
TPH-HRO	<250 [ <b>&lt;250</b> ]
TPH-HRO w/Si gel	<250 [ <b>&lt;250</b> ]
Benzene	<1.00 [ <b>&lt;1.00</b> ]
Toluene	<1.00 [ <b>&lt;1.00</b> ]
Ethylbenzene	<1.00 [ <b>&lt;1.00</b> ]
Xylenes (Total)	<3.00 [ <b>&lt;3.00</b> ]
Lead	<6.00 [ <b>&lt;6.00</b> ]

B-4	
Sample Date	05/24/2021
TPH-GRO	<100
TPH-DRO	<200
TPH-DRO w/Si el	<200
TPH-HRO	<250
TPH-HRO w/Si gel	<250
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Xylenes (Total)	<3.00
Lead	<6.00

MW-114	
Sample Date	05/24/2021
TPH-GRO	<100
TPH-DRO	<200
TPH-DRO w/Si el	<200
TPH-HRO	83.9 J
TPH-HRO w/Si gel	83.9 J
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Xylenes (Total)	<3.00
Lead	<6.00

MW-109	
Sample Date	05/24/2021
TPH-GRO	35.0 BJ
TPH-DRO	<200
TPH-DRO w/Si el	<200
TPH-HRO	<250
TPH-HRO w/Si gel	<250
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Xylenes (Total)	<3.00
Lead	<6.00

B-3	
Sample Date	05/24/2021
TPH-GRO	<100
TPH-DRO	83.0 J
TPH-DRO w/Si el	83.0 J
TPH-HRO	<250
TPH-HRO w/Si gel	<250
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Xylenes (Total)	<3.00
Lead	<6.00

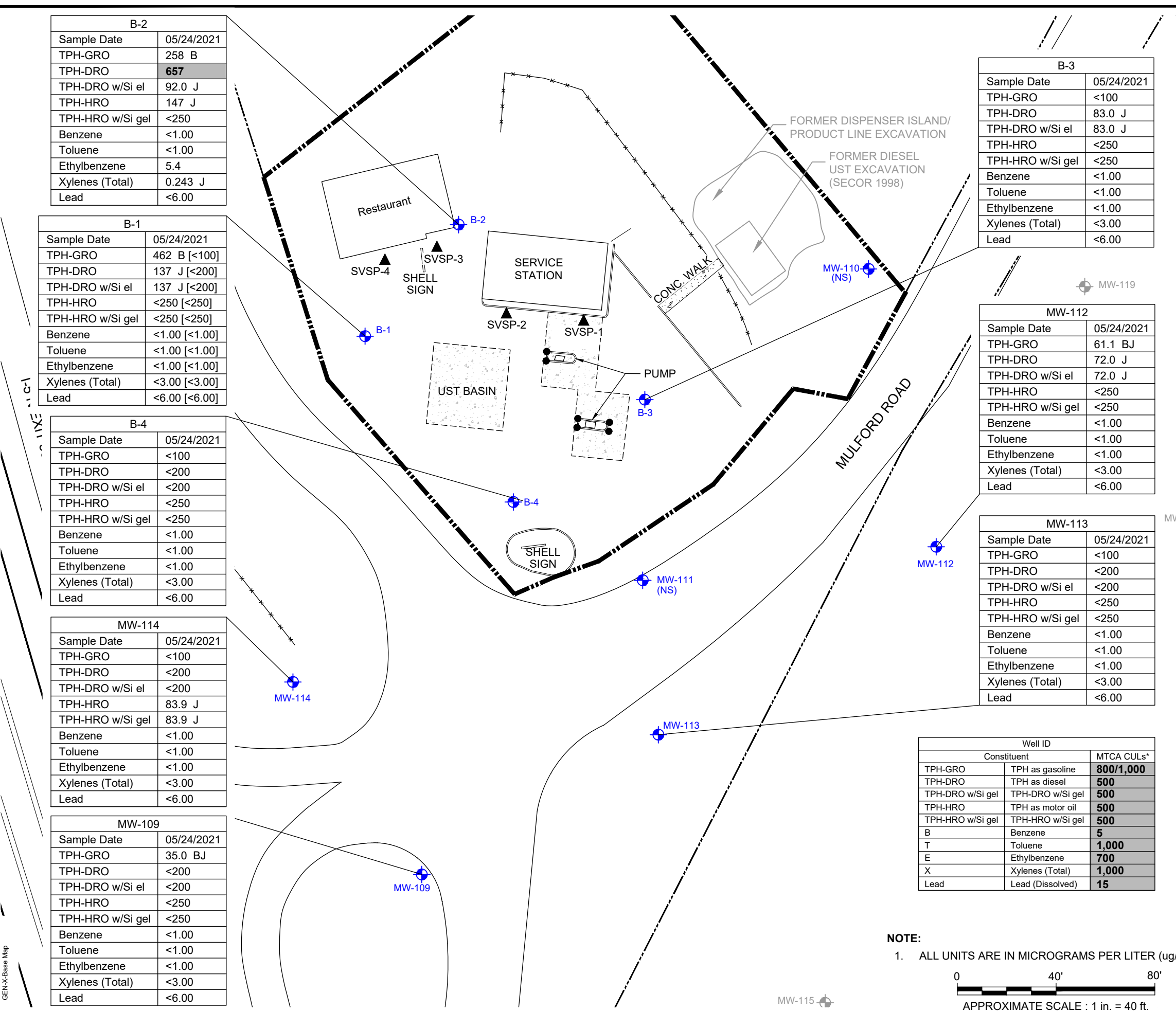
MW-112	
Sample Date	05/24/2021
TPH-GRO	61.1 BJ
TPH-DRO	72.0 J
TPH-DRO w/Si el	72.0 J
TPH-HRO	<250
TPH-HRO w/Si gel	<250
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Xylenes (Total)	<3.00
Lead	<6.00

MW-113	
Sample Date	05/24/2021
TPH-GRO	<100
TPH-DRO	<200
TPH-DRO w/Si el	<200
TPH-HRO	<250
TPH-HRO w/Si gel	<250
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Xylenes (Total)	<3.00
Lead	<6.00

Well ID		
Constituent		MTCA CULs*
TPH-GRO	TPH as gasoline	<b>800/1,000</b>
TPH-DRO	TPH as diesel	<b>500</b>
TPH-DRO w/Si gel	TPH-DRO w/Si gel	<b>500</b>
TPH-HRO	TPH as motor oil	<b>500</b>
TPH-HRO w/Si gel	TPH-HRO w/Si gel	<b>500</b>
B	Benzene	<b>5</b>
T	Toluene	<b>1,000</b>
E	Ethylbenzene	<b>700</b>
X	Xylenes (Total)	<b>1,000</b>
Lead	Lead (Dissolved)	<b>15</b>

**LEGEND:**

- LEWIS COUNTY PARCEL No. 012429003001 BOUNDARY
- LEWIS COUNTY PARCEL No. 012429002001 BOUNDARY
- FENCE
- MW-119 GROUNDWATER MONITORING WELL
- MW-108 ABANDONED MONITORING WELL
- SVSP-2 SOIL VAPOR SAMPLING PROBES
- UST UNDERGROUND STORAGE TANK
- TPH TOTAL PETROLEUM HYDROCARBONS
- TPH-GRO TOTAL PETROLEUM HYDROCARBONS, GASOLINE RANGE ORGANICS
- TPH-DRO TOTAL PETROLEUM HYDROCARBONS, DIESEL RANGE ORGANICS
- TPH-HRO TOTAL PETROLEUM HYDROCARBON, HEAVY RANGE ORGANICS
- w/Si gel WITH SILICA GEL CLEANUP
- (NS) NOT SAMPLED
- [ ] DUPLICATE SAMPLE RESULT
- BOLD** ANALYTE CONCENTRATION EXCEEDS MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVELS
- < NOT DETECTED AT OR ABOVE THE LABORATORY REPORTING LIMIT (RL)
- J ESTIMATED VALUE BETWEEN RL AND METHOD DETECTION LIMIT (MDL)
- B THE SAME ANALYTE IS FOUND IN ASSOCIATED BLANK
- \* ECOLOGY MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVELS (CULS) FOR GROUNDWATER WAC CHAPTER 173-340-900. TABLE 720-1
- 800/1,000 GRO MTCA METHOD A CUL WITH B PRESENT IS 800 µg/L AND WITHOUT IS 1,000 µg/L



**NOTE:**  
 1. ALL UNITS ARE IN MICROGRAMS PER LITER (µg/L).

0 40' 80'  
 APPROXIMATE SCALE : 1 in. = 40 ft.

COWLITZ BP / COWLITZ FOOD AND FUEL /  
 FORMER TEXACO SERVICE STATION No. 211556  
 101 MULFORD ROAD  
 TOLEDO, WASHINGTON

**GROUNDWATER ANALYTICAL MAP  
MAY 24, 2021**

**ARCADIS**

FIGURE  
**4**

# ATTACHMENT A

Field Data Sheets and General Procedures



## Groundwater Gauging Log

<b>Project Number</b>		30064316					
<b>Client:</b>		Chevron					
<b>Site ID:</b>		211556					
<b>Site Location:</b>		Toledo, Washington					
<b>Measuring Point:</b>		Top of Casing					
<b>Date(s):</b>		05/24/2021, 05/25/2021					
<b>Sampler(s):</b>		Lee Bures					
<b>Gauging Equipment:</b>		Water Level Meter					
Well ID	Date	Gauging Time	Static Water Level (ft bmp)	Depth to Product (ft bmp)	Total Depth (ft bmp)	PID Reading (ppm)	Comments
B-1	05/24/2021	10:18	7.92	ND	19.85	--	--
B-2	05/24/2021	10:14	9.17	ND	19.25	--	--
B-3	05/25/2021	22:28	8.85	ND	13.80	--	--
B-4	05/24/2021	22:37	7.89	ND	14.65	--	--
MW-109	05/24/2021	11:09	7.94	ND	12.85	--	--
MW-110	05/24/2021	10:47	9.61	ND	19.90	--	--
MW-112	05/24/2021	10:54	8.21	ND	17.32	--	--
MW-113	05/24/2021	11:00	9.11	ND	18.18	--	--
MW-114	05/24/2021	23:07	7.26	ND	17.55	--	--

ft-bmp = feet below measuring point

ND = Not Detected

PID = Photoionization Detector Reading

ppm = parts per million

-- = Not Recorded

<b>Project Number</b>	30064316	<b>Well ID</b>	B-1	<b>Date</b>	5/24/2021	
<b>Site Location</b>	Toledo, Washington	<b>Site ID</b>	211556	<b>Weather (°F)</b>	Clear	<b>Sampled by</b> Lee Bures
<b>Measuring Point Description</b>	Top of Casing	<b>Screen Depth Interval (ft-bmp)</b>	-- to --	<b>Casing Diameter (in.)</b>	2	<b>Well Casing Material</b> --
<b>Static Water Level (ft-bmp)</b>	7.92	<b>Total Depth (ft-bmp)</b>	19.85	<b>Water Column (ft)</b>	11.93	<b>Gallons in Well</b> 1.94
<b>Water Quality Meter Make/Model</b>	Hach 2100Q, YSI Pro Plus	<b>Purge Method</b>	Low-Flow	<b>Sample Method</b>	Grab	
<b>Sample Time</b>	08:55	<b>Well Volumes Purged</b>	0.41	<b>Sample ID</b>	B-1-210525	<b>Evacuation Equipment</b> Peristaltic
<b>Purge Start</b>	08:37	<b>Gallons Purged</b>	0.79	<b>Duplicate ID</b>	BD-1-211556-210525	
<b>Purge End</b>	08:52	<b>Total Purge Time (h:m)</b>	0:15			

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
08:40	200	7.79	7.38	330	90.0	5.89	12.80	17.1	not noted	--
08:43	200	7.79	7.35	0.333	74.0	6.05	12.70	3.2	not noted	--
08:46	200	7.79	7.21	0.332	55.0	5.95	12.70	-0.9	not noted	--
08:49	200	7.79	7.18	0.329	53.0	5.83	12.70	-2.5	not noted	--
08:52	200	7.79	7.16	0.328	54.0	5.73	12.70	-2.7	not noted	--

**Comments:** None

#### Well Casing Volume Conversion

Well diameter (in.) = 1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47  
 gallons per foot 1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

#### Sample Information

Sample ID: B-1-210525 Sample Time: 08:55 Sample Depth (ft-bmp): 13  
 Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point  
 in. = inches  
 ft = feet  
 mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter  
 NTU = Nephelometric Turbidity Unit  
 mg/L = milligrams per liter  
 PVC = Polyvinyl Chloride

mV = millivolts  
 °F = degrees Fahrenheit  
 °C = degrees Celsius  
 -- = Not Recorded

<b>Project Number</b>	30064316	<b>Well ID</b>	B-2	<b>Date</b>	5/24/2021	
<b>Site Location</b>	Toledo, Washington	<b>Site ID</b>	211556	<b>Weather (°F)</b>	Clear	<b>Sampled by</b> Lee Bures
<b>Measuring Point Description</b>	Top of Casing	<b>Screen Depth Interval (ft-bmp)</b>	-- to --	<b>Casing Diameter (in.)</b>	2	<b>Well Casing Material</b> --
<b>Static Water Level (ft-bmp)</b>	9.17	<b>Total Depth (ft-bmp)</b>	19.25	<b>Water Column (ft)</b>	10.08	<b>Gallons in Well</b> 1.64
<b>Water Quality Meter Make/Model</b>	Hach 2100Q,YSI Pro Plus	<b>Purge Method</b>	Low-Flow	<b>Sample Method</b>	Grab	
<b>Sample Time</b>	08:21	<b>Well Volumes Purged</b>	0.48	<b>Sample ID</b>	B-2-210525	<b>Evacuation Equipment</b> Peristaltic
<b>Purge Start</b>	08:06	<b>Gallons Purged</b>	0.79	<b>Duplicate ID</b>	--	
<b>Purge End</b>	08:18	<b>Total Purge Time (h:m)</b>	0:12			

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
08:06	200	9.03	7.61	0.282	246	0.61	11.70	113.5	not noted	--
08:09	200	9.03	7.71	0.264	76.0	0.39	11.60	94.3	not noted	--
08:12	200	9.03	7.75	0.258	47.0	0.33	11.60	86.4	not noted	--
08:15	200	9.03	7.78	0.255	46.0	0.44	11.50	80.3	not noted	--
08:18	200	9.03	7.72	0.255	45.0	0.44	11.60	77.6	not noted	--

**Comments:** None

#### Well Casing Volume Conversion

Well diameter (in.) = 1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47  
 gallons per foot 1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

#### Sample Information

Sample ID: B-2-210525 Sample Time: 08:21 Sample Depth (ft-bmp): 14  
 Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point  
 in. = inches  
 ft = feet  
 mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter  
 NTU = Nephelometric Turbidity Unit  
 mg/L = milligrams per liter  
 PVC = Polyvinyl Chloride

mV = millivolts  
 °F = degrees Fahrenheit  
 °C = degrees Celsius  
 -- = Not Recorded

<b>Project Number</b>	30064316	<b>Well ID</b>	B-3	<b>Date</b>	5/25/2021	
<b>Site Location</b>	Toledo, Washington	<b>Site ID</b>	211556	<b>Weather (°F)</b>	Clear	<b>Sampled by</b> Lee Bures
<b>Measuring Point Description</b>	Top of Casing	<b>Screen Depth Interval (ft-bmp)</b>	-- to --	<b>Casing Diameter (in.)</b>	2	<b>Well Casing Material</b> --
<b>Static Water Level (ft-bmp)</b>	8.85	<b>Total Depth (ft-bmp)</b>	13.8	<b>Water Column (ft)</b>	4.95	<b>Gallons in Well</b> 0.8
<b>Water Quality Meter Make/Model</b>	Hach 2100Q,YSI Pro Plus	<b>Purge Method</b>	Low-Flow	<b>Sample Method</b>	Grab	
<b>Sample Time</b>	10:40	<b>Well Volumes Purged</b>	0.99	<b>Sample ID</b>	B-3-210525	<b>Evacuation Equipment</b> Peristaltic
<b>Purge Start</b>	09:22	<b>Gallons Purged</b>	0.79	<b>Duplicate ID</b>	--	
<b>Purge End</b>	09:37	<b>Total Purge Time (h:m)</b>	0:15			

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:25	200	9.43	6.69	217	25.0	0.45	14.00	133	not noted	--
09:28	200	9.65	6.77	216	14.0	1.50	13.90	119.2	not noted	--
09:31	200	9.94	6.73	215	13.0	1.63	14.00	112.6	not noted	--
09:34	200	9.97	6.70	215	13.0	1.64	14.00	115.4	not noted	--
09:37	200	9.99	6.78	218	13.0	1.67	14.10	110.3	not noted	--

**Comments:** None

#### Well Casing Volume Conversion

Well diameter (in.) = 1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47  
 gallons per foot 1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

#### Sample Information

Sample ID: B-3-210525 Sample Time: 10:40 Sample Depth (ft-bmp): 11  
 Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point  
 in. = inches  
 ft = feet  
 mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter  
 NTU = Nephelometric Turbidity Unit  
 mg/L = milligrams per liter  
 PVC = Polyvinyl Chloride

mV = millivolts  
 °F = degrees Fahrenheit  
 °C = degrees Celsius  
 -- = Not Recorded

<b>Project Number</b>	30064316	<b>Well ID</b>	B-4	<b>Date</b>	5/24/2021	
<b>Site Location</b>	Toledo, Washington	<b>Site ID</b>	211556	<b>Weather (°F)</b>	Clear	<b>Sampled by</b> Lee Bures
<b>Measuring Point Description</b>	Ground Surface	<b>Screen Depth Interval (ft-bmp)</b>	-- to --	<b>Casing Diameter (in.)</b>	2	<b>Well Casing Material</b> --
<b>Static Water Level (ft-bmp)</b>	7.89	<b>Total Depth (ft-bmp)</b>	14.65	<b>Water Column (ft)</b>	6.76	<b>Gallons in Well</b> 1.1
<b>Water Quality Meter Make/Model</b>	Hach 2100Q,YSI Pro Plus	<b>Purge Method</b>	Low-Flow	<b>Sample Method</b>	Grab	
<b>Sample Time</b>	14:46	<b>Well Volumes Purged</b>	0.72	<b>Sample ID</b>	B-4-210524	<b>Evacuation Equipment</b> Peristaltic
<b>Purge Start</b>	14:28	<b>Gallons Purged</b>	0.79	<b>Duplicate ID</b>	--	
<b>Purge End</b>	14:43	<b>Total Purge Time (h:m)</b>	0:15			

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
14:31	200	8.05	6.82	0.224	389	0.34	15.00	-93.7	Clear	--
14:34	200	8.05	6.83	0.222	262	0.29	14.90	-99.2	Clear	--
14:37	200	8.05	6.82	0.218	200	0.31	14.90	-100.4	Clear	--
14:40	200	8.05	6.79	0.213	200	0.31	14.90	-97.6	Clear	--
14:43	200	8.05	6.76	0.215	195	0.32	14.80	-90.8	Clear	--

**Comments:** None

**Well Casing Volume Conversion**

Well diameter (in.) = 1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47  
 gallons per foot 1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

**Sample Information**

Sample ID: B-4-210524 Sample Time: 14:46 Sample Depth (ft-bmp): 11  
 Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point  
 in. = inches  
 ft = feet  
 mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter  
 NTU = Nephelometric Turbidity Unit  
 mg/L = milligrams per liter  
 PVC = Polyvinyl Chloride

mV = millivolts  
 °F = degrees Fahrenheit  
 °C = degrees Celsius  
 -- = Not Recorded

<b>Project Number</b>	30064316	<b>Well ID</b>	MW-109	<b>Date</b>	5/24/2021	
<b>Site Location</b>	Toledo, Washington	<b>Site ID</b>	211556	<b>Weather (°F)</b>	Clear	<b>Sampled by</b> Lee Bures
<b>Measuring Point Description</b>	Top of Casing	<b>Screen Depth Interval (ft-bmp)</b>	-- to --	<b>Casing Diameter (in.)</b>	2	<b>Well Casing Material</b> --
<b>Static Water Level (ft-bmp)</b>	7.94	<b>Total Depth (ft-bmp)</b>	12.85	<b>Water Column (ft)</b>	4.91	<b>Gallons in Well</b> 0.8
<b>Water Quality Meter Make/Model</b>	Hach 2100Q,YSI Pro Plus	<b>Purge Method</b>	Low-Flow	<b>Sample Method</b>	Grab	
<b>Sample Time</b>	11:55	<b>Well Volumes Purged</b>	0.99	<b>Sample ID</b>	MW-109-210524	<b>Evacuation Equipment</b> Peristaltic
<b>Purge Start</b>	11:37	<b>Gallons Purged</b>	0.79	<b>Duplicate ID</b>	--	
<b>Purge End</b>	11:52	<b>Total Purge Time (h:m)</b>	0:15			

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:40	200	8.91	6.15	0.216	20.0	8.16	13.30	185.5	Clear	--
11:43	200	9.15	6.14	0.165	13.0	8.16	13.30	189.3	Clear	--
11:46	200	9.41	6.15	0.162	10.0	8.20	13.30	194.8	Clear	--
11:49	200	9.53	6.15	0.160	10.0	8.10	13.40	198.2	Clear	--
11:52	200	9.57	6.15	0.160	10.0	7.94	13.40	200.8	Clear	--

**Comments:** None

**Well Casing Volume Conversion**

Well diameter (in.) = 1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47  
 gallons per foot 1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

**Sample Information**

Sample ID: MW-109-210524 Sample Time: 11:55 Sample Depth (ft-bmp): 10  
 Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point  
 in. = inches  
 ft = feet  
 mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter  
 NTU = Nephelometric Turbidity Unit  
 mg/L = milligrams per liter  
 PVC = Polyvinyl Chloride

mV = millivolts  
 °F = degrees Fahrenheit  
 °C = degrees Celsius  
 -- = Not Recorded



<b>Project Number</b>	30064316	<b>Well ID</b>	MW-112	<b>Date</b>	5/24/2021	
<b>Site Location</b>	Toledo, Washington	<b>Site ID</b>	211556	<b>Weather (°F)</b>	Clear	<b>Sampled by</b> Lee Bures
<b>Measuring Point Description</b>	Top of Casing	<b>Screen Depth Interval (ft-bmp)</b>	-- to --	<b>Casing Diameter (in.)</b>	2	<b>Well Casing Material</b> --
<b>Static Water Level (ft-bmp)</b>	8.21	<b>Total Depth (ft-bmp)</b>	17.32	<b>Water Column (ft)</b>	9.11	<b>Gallons in Well</b> 1.48
<b>Water Quality Meter Make/Model</b>	Hach 2100Q,YSI Pro Plus	<b>Purge Method</b>	Low-Flow	<b>Sample Method</b>	Grab	
<b>Sample Time</b>	13:24	<b>Well Volumes Purged</b>	0.54	<b>Sample ID</b>	MW-112-210524	<b>Evacuation Equipment</b> Peristaltic
<b>Purge Start</b>	13:06	<b>Gallons Purged</b>	0.79	<b>Duplicate ID</b>	--	
<b>Purge End</b>	13:21	<b>Total Purge Time (h:m)</b>	0:15			

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
13:09	200	8.23	6.55	184	187	0.63	13.20	38.9	Clear	--
13:12	200	8.23	6.55	0.185	154	0.55	13.20	35.4	Clear	--
13:15	200	8.23	6.60	0.194	104	0.46	13.20	31.1	Clear	--
13:18	200	8.23	6.59	0.199	104	0.41	13.20	29.3	Clear	--
13:21	200	8.23	6.60	0.199	104	0.37	13.10	26.8	Clear	--

**Comments:** None

#### Well Casing Volume Conversion

Well diameter (in.) = 1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47  
 gallons per foot 1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

#### Sample Information

Sample ID: MW-112-210524 Sample Time: 13:24 Sample Depth (ft-bmp): 13  
 Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point  
 in. = inches  
 ft = feet  
 mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter  
 NTU = Nephelometric Turbidity Unit  
 mg/L = milligrams per liter  
 PVC = Polyvinyl Chloride

mV = millivolts  
 °F = degrees Fahrenheit  
 °C = degrees Celsius  
 -- = Not Recorded

<b>Project Number</b>	30064316	<b>Well ID</b>	MW-113	<b>Date</b>	5/24/2021	
<b>Site Location</b>	Toledo, Washington	<b>Site ID</b>	211556	<b>Weather (°F)</b>	Clear	<b>Sampled by</b> Lee Bures
<b>Measuring Point Description</b>	Top of Casing	<b>Screen Depth Interval (ft-bmp)</b>	-- to --	<b>Casing Diameter (in.)</b>	4	<b>Well Casing Material</b> --
<b>Static Water Level (ft-bmp)</b>	9.11	<b>Total Depth (ft-bmp)</b>	18.18	<b>Water Column (ft)</b>	9.07	<b>Gallons in Well</b> 5.9
<b>Water Quality Meter Make/Model</b>	Hach 2100Q,YSI Pro Plus	<b>Purge Method</b>	Low-Flow	<b>Sample Method</b>	Grab	
<b>Sample Time</b>	14:09	<b>Well Volumes Purged</b>	0.13	<b>Sample ID</b>	MW-113-210524	<b>Evacuation Equipment</b> Peristaltic
<b>Purge Start</b>	13:51	<b>Gallons Purged</b>	0.79	<b>Duplicate ID</b>	--	
<b>Purge End</b>	14:06	<b>Total Purge Time (h:m)</b>	0:15			

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
13:54	200	9.13	6.18	0.069	21.0	4.86	13.40	185.1	Clear	--
13:57	200	9.13	6.10	0.068	7.0	4.57	13.40	190	Clear	--
14:00	200	9.13	6.11	0.070	7.0	4.85	13.60	194.7	Clear	--
14:03	200	9.13	6.14	0.068	7.0	4.88	13.40	196.3	Clear	--
14:06	200	9.13	6.15	0.068	7.0	5.17	13.50	196.5	Clear	--

**Comments:** None

#### Well Casing Volume Conversion

Well diameter (in.) = 1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47  
 gallons per foot 1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

#### Sample Information

Sample ID: MW-113-210524 Sample Time: 14:09 Sample Depth (ft-bmp): 14  
 Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point  
 in. = inches  
 ft = feet  
 mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter  
 NTU = Nephelometric Turbidity Unit  
 mg/L = milligrams per liter  
 PVC = Polyvinyl Chloride

mV = millivolts  
 °F = degrees Fahrenheit  
 °C = degrees Celsius  
 -- = Not Recorded

<b>Project Number</b>	30064316	<b>Well ID</b>	MW-114	<b>Date</b>	5/24/2021	
<b>Site Location</b>	Toledo, Washington	<b>Site ID</b>	211556	<b>Weather (°F)</b>	Clear	<b>Sampled by</b> Lee Bures
<b>Measuring Point Description</b>	Top of Casing	<b>Screen Depth Interval (ft-bmp)</b>	-- to --	<b>Casing Diameter (in.)</b>	2	<b>Well Casing Material</b> --
<b>Static Water Level (ft-bmp)</b>	7.26	<b>Total Depth (ft-bmp)</b>	17.55	<b>Water Column (ft)</b>	10.29	<b>Gallons in Well</b> 1.67
<b>Water Quality Meter Make/Model</b>	Hach 2100Q,YSI Pro Plus	<b>Purge Method</b>	Low-Flow	<b>Sample Method</b>	Grab	
<b>Sample Time</b>	12:43	<b>Well Volumes Purged</b>	0.47	<b>Sample ID</b>	MW-114-210524	<b>Evacuation Equipment</b> Peristaltic
<b>Purge Start</b>	00:25	<b>Gallons Purged</b>	0.79	<b>Duplicate ID</b>	--	
<b>Purge End</b>	00:40	<b>Total Purge Time (h:m)</b>	0:15			

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:28	200	7.34	6.39	0.292	293	0.81	12.50	83.2	Clear	Moderate
12:31	200	7.40	6.44	0.292	208	0.35	12.70	86.8	Clear	Moderate
12:34	200	7.46	6.42	0.292	197	0.32	12.60	84	Clear	Moderate
12:37	200	7.52	6.46	0.292	194	0.28	12.60	81.6	not noted	Moderate
12:40	200	7.57	6.46	0.293	194	0.27	12.50	80.6	not noted	Moderate

**Comments:** None

#### Well Casing Volume Conversion

Well diameter (in.) = 1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47  
 gallons per foot 1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

#### Sample Information

Sample ID: MW-114-210524 Sample Time: 12:43 Sample Depth (ft-bmp): 12  
 Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point  
 in. = inches  
 ft = feet  
 mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter  
 NTU = Nephelometric Turbidity Unit  
 mg/L = milligrams per liter  
 PVC = Polyvinyl Chloride

mV = millivolts  
 °F = degrees Fahrenheit  
 °C = degrees Celsius  
 -- = Not Recorded

**Arcadis - Chevron - WA**

100 Olive Way  
Suite 800  
Seattle, WA 98101

Report to:  
**Ada Hamilton**

Attn: Accounts Payable  
630 Plaza Dr., Ste. 600  
Highlands Ranch, CO 80129

Email To:  
Ada.Hamilton@arcadis.com; Komal.Dixit@arcadis.com

Project Description:  
211556

City/State Collected:  
PT MT CT ET

Client Project #  
**30064316**

Lab Project #  
**CHEVARCWA-211556**

Site/Facility ID #  
**101 MULFORD ROAD,**

P.O. #

Collected by (print):  
*Archie Wiser*

Quote #

Collected by (signature):  
*[Signature]*

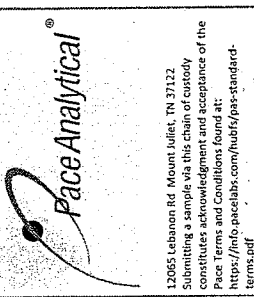
Date Results Needed

Immediately packed on Ice N    Y   

Rush? (Lab MUST Be Notified)  
 Same Day  Five Day  
 Next Day  5 Day (Rad Only)  
 Two Day  10 Day (Rad Only)  
 Three Day

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs of	Pres Chk			
							NWTPHDX no silica 40mlamb-HCl-BT	NWTPHDX w/ silica 40mlamb-HCl-BT	NWTPHGX 40mlamb HCl	
MU-101-210524	Grab	GW	-	5/24/11	1155	X	X	X		
MU-112-210524	Grab	GW	-	5/24/11	1324	X	X	X		
MU-113-210524	Grab	GW	-	5/24/11	1409	X	X	X		
MU-114-210524	Grab	GW	-	5/24/11	1243	X	X	X		
B-1-210525	Grab	GW	-	5/25/11	0855	X	X	X		
B-2-210525	Grab	GW	-	5/25/11	0821	X	X	X		
B-3-210525	Grab	GW	-	5/25/11	0940	X	X	X		
B-4-210524	Grab	GW	-	5/24/11	1446	X	X	X		
BP-1-211556-210525	Grab	GW	-	5/25/11	1200	X	X	X		
TB-211556-210524	Grab	GW	-	5/24/11	1000	X	X	X		

Remarks	Sample # (lab only)
On hold	



SDG #  
Table #  
Acetium: CHEVARCWA  
Template: T188027  
Prelogin: P848710  
PM: 110 - Brian Ford  
PB:  
Shipped Via:  
Remarks

Sample Receipt Checklist  
 CGC Seal Present/Intact:    Y    N  
 CGC Signed/Accurate:    Y    N  
 Bottles arrive intact:    Y    N  
 Correct bottles used:    Y    N  
 Sufficient volume sent:    Y    N  
 IF Applicable  
 VOA Zero Headspace:    Y    N  
 Preservation Correct/Checked:    Y    N  
 RAD Screen <0.5 mR/hr:    Y    N

pH    Temp     
Flow    Other   

Tracking #  
 Received by: (Signature) *[Signature]*  
 Received by: (Signature) *[Signature]*  
 Received for lab by: (Signature) *[Signature]*

Relinquished by: (Signature) *[Signature]*  
 Relinquished by: (Signature) *[Signature]*  
 Relinquished by: (Signature) *[Signature]*

# WELLHEAD INSPECTION FORM

Client: ARCADIS Site: 101 Mulford Rd, Toledo, WA Date: 5/24/21  
 Job #: 210524-AW1 Technician: Andrew Lasier Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check indicates deficiency										Well Not Inspected (explain in notes)	Notes <small>(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)</small>		
		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)
MW-103															
MW-109	X														
MW-110	X														
MW-111															
MW-112	X														
MW-113	X				3/3										
MW-114	X				1/3										
MW-115															
MW-116															
MW-117															
MW-118															
MW-119															
MW-120															
B1	X				3/3										
B-2	X				3/3										
B-3	X				1/3										
B-4	X	X				2/3									

NOTES: \_\_\_\_\_





## Permit To Work

for Chevron EMC Sites

Client: Arcadis Date: 6/24/21  
 Site Address: 101 Antares Blvd, Toledo, IA  
 Job Number: 210524-AN Technician(s): Andrew Musser

### Pre-Job Safety Review

1. JMP reviewed, site restrictions and parking/access issues addressed.	Reviewed: <input type="checkbox"/>
<b>2. Special Permit Required Task Review</b>	
Are there any conditions or tasks that would require:	
Yes	No
Confined space entry	<input type="checkbox"/> <input checked="" type="checkbox"/>
Working at height	<input type="checkbox"/> <input checked="" type="checkbox"/>
Lock-out/Tag-out	<input type="checkbox"/> <input checked="" type="checkbox"/>
Excavations greater than 4 feet deep	<input type="checkbox"/> <input checked="" type="checkbox"/>
Excavations within 3 feet of a buried active electrical line or product piping or within 10 feet of a high pressure gas line.	<input type="checkbox"/> <input checked="" type="checkbox"/>
Use of overhead equipment within 15 feet of an overhead electrical power line or pole supporting one	<input type="checkbox"/> <input checked="" type="checkbox"/>
Hot work	<input type="checkbox"/> <input checked="" type="checkbox"/>
<p>If "Yes" was the answer to any of the Special Permit Required Tasks above, the Project Manager will contact the client and arrange to modify the Scope of Work so that the Special Permit Required Tasks are not required to be performed by Blaine Tech Services employees.</p>	
<b>3. Is a Traffic Control Permit required for today's work?</b>	
	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	If so is it in the folder? <input type="checkbox"/> <input type="checkbox"/>
	Is it current? <input type="checkbox"/> <input type="checkbox"/>
Do you understand the Traffic Control Plan and what equipment you will need? <input type="checkbox"/> <input type="checkbox"/>	

### On site Pre-Job Safety Review

1. Reviewed and signed the site specific HASP.	<input checked="" type="checkbox"/>
2. Route to hospital understood.	<input checked="" type="checkbox"/>
3. Reviewed "Groundwater Monitoring Well Sampling General Job Safety Analysis included in the HASP.	<input checked="" type="checkbox"/>
4. Exceptional circumstances today that are not covered by the HASP, JSA or JMP have been addressed and mitigated.	<input checked="" type="checkbox"/>
5. Understands procedure to follow, if site circumstances change, to address new site hazards.	<input checked="" type="checkbox"/>
6. There are no unexpected conditions which would make your task a Special Permit Required Task. If there is, contact your Project Manager.	<input checked="" type="checkbox"/>
7. All site hazards have been communicated to all necessary onsite personnel during tailgate safety meeting.	<input checked="" type="checkbox"/>
8. After lunch tailgate safety meeting refresher conducted.	<input checked="" type="checkbox"/>
If Checklist Task cannot be completed, explain:	

<b>Permit To Work Authority:</b> <u>Andrew Musser</u>	<u>Field Tech</u>	<u>6/24/21</u>	<u>0923</u>
Name	Title	Date	Time



Blaine Tech Services, Inc.

### Permit To Work for Chevron EMC Sites

Client: Accuris Date 5/25/21  
Site Address: 101 Milford Road, Toledo, WA  
Job Number: 210524-AW Technician(s): Andrew Waser

#### Pre-Job Safety Review

1. JMP reviewed, site restrictions and parking/access issues addressed. Reviewed:

#### 2. Special Permit Required Task Review

Are there any conditions or tasks that would require:

	Yes	No
Confined space entry	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Working at height	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lock-out/Tag-out	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Excavations greater than 4 feet deep	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Excavations within 3 feet of a buried active electrical line or product piping or within 10 feet of a high pressure gas line.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Use of overhead equipment within 15 feet of an overhead electrical power line or pole supporting one	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hot work	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If "Yes" was the answer to any of the Special Permit Required Tasks above, the Project Manager will contact the client and arrange to modify the Scope of Work so that the Special Permit Required Tasks are not required to be performed by Blaine Tech Services employees.

#### 3. Is a Traffic Control Permit required for today's work?

	Yes	No
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If so is it in the folder?	<input type="checkbox"/>	<input type="checkbox"/>
Is it current?	<input type="checkbox"/>	<input type="checkbox"/>

Do you understand the Traffic Control Plan and what equipment you will need?

#### On site Pre-Job Safety Review

1. Reviewed and signed the site specific HASP.
2. Route to hospital understood.
3. Reviewed "Groundwater Monitoring Well Sampling General Job Safety Analysis included in the HASP.
4. Exceptional circumstances today that are not covered by the HASP, JSA or JMP have been addressed and mitigated.
5. Understands procedure to follow, if site circumstances change, to address new site hazards.
6. There are no unexpected conditions which would make your task a Special Permit Required Task. If there is, contact your Project Manager.
7. All site hazards have been communicated to all necessary onsite personnel during tailgate safety meeting.
8. After lunch tailgate safety meeting refresher conducted.

If Checklist Task cannot be completed, explain:

Permit To Work Authority: Andrew Waser Name Field Tech Title 5/25/21 Date 0750 Time

# ATTACHMENT B

Laboratory Report and Chain-of-Custody Documentation



June 14, 2021

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

**Arcadis - Chevron - WA**

Sample Delivery Group: L1358382  
Samples Received: 05/26/2021  
Project Number: 30064316  
Description: 211556  
Site: 101 MULFORD ROAD, TOLEDO, WA  
Report To: Ada Hamilton  
1100 Olive Way  
Suite 800  
Seattle, WA 98101

Entire Report Reviewed By:



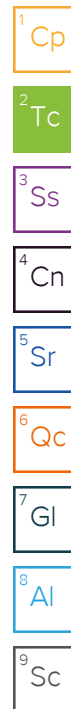
Brian Ford  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

# TABLE OF CONTENTS

<b>Cp: Cover Page</b>	<b>1</b>
<b>Tc: Table of Contents</b>	<b>2</b>
<b>Ss: Sample Summary</b>	<b>3</b>
<b>Cn: Case Narrative</b>	<b>5</b>
<b>Sr: Sample Results</b>	<b>6</b>
MW-109-210524 L1358382-01	6
MW-112-210524 L1358382-02	7
MW-113-210524 L1358382-03	8
MW-114-210524 L1358382-04	9
B-1-210525 L1358382-05	10
B-2-210525 L1358382-06	11
B-3-210525 L1358382-07	12
B-4-210524 L1358382-08	13
BD-1-211556-210525 L1358382-09	14
<b>Qc: Quality Control Summary</b>	<b>15</b>
Metals (ICP) by Method 6010D	15
Volatile Organic Compounds (GC) by Method NWTPHGX	16
Volatile Organic Compounds (GC/MS) by Method 8260D	18
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	19
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	20
<b>Gl: Glossary of Terms</b>	<b>21</b>
<b>Al: Accreditations &amp; Locations</b>	<b>22</b>
<b>Sc: Sample Chain of Custody</b>	<b>23</b>



# SAMPLE SUMMARY

## MW-109-210524 L1358382-01 GW

Collected by Andrew Waser  
 Collected date/time 05/24/21 11:55  
 Received date/time 05/26/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1682025	1	06/11/21 02:10	06/11/21 11:28	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1681128	1	06/02/21 05:03	06/02/21 05:03	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1679997	1	05/29/21 23:20	05/29/21 23:20	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1679730	1	05/30/21 04:46	06/02/21 11:37	WCR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1679732	1	05/30/21 06:15	06/02/21 11:37	WCR	Mt. Juliet, TN



## MW-112-210524 L1358382-02 GW

Collected by Andrew Waser  
 Collected date/time 05/24/21 13:24  
 Received date/time 05/26/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1682025	1	06/11/21 02:10	06/11/21 11:31	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1680936	1	06/02/21 07:35	06/02/21 07:35	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1679997	1	05/29/21 23:40	05/29/21 23:40	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1679730	1	05/30/21 04:46	06/02/21 11:59	WCR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1679732	1	05/30/21 06:15	06/02/21 11:59	WCR	Mt. Juliet, TN



## MW-113-210524 L1358382-03 GW

Collected by Andrew Waser  
 Collected date/time 05/24/21 14:09  
 Received date/time 05/26/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1682025	1	06/11/21 02:10	06/11/21 11:34	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1680936	1	06/02/21 07:56	06/02/21 07:56	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1679997	1	05/30/21 00:01	05/30/21 00:01	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1679730	1	05/30/21 04:46	06/02/21 12:22	WCR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1679732	1	05/30/21 06:15	06/02/21 12:22	WCR	Mt. Juliet, TN



## MW-114-210524 L1358382-04 GW

Collected by Andrew Waser  
 Collected date/time 05/24/21 12:43  
 Received date/time 05/26/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1682025	1	06/11/21 02:10	06/11/21 11:37	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1680936	1	06/02/21 08:18	06/02/21 08:18	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1679997	1	05/30/21 00:21	05/30/21 00:21	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1679730	1	05/30/21 04:46	06/02/21 12:44	WCR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1679732	1	05/30/21 06:15	06/02/21 12:44	WCR	Mt. Juliet, TN

## B-1-210525 L1358382-05 GW

Collected by Andrew Waser  
 Collected date/time 05/25/21 08:55  
 Received date/time 05/26/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1682025	1	06/11/21 02:10	06/11/21 11:39	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1680936	1	06/02/21 08:39	06/02/21 08:39	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1679997	1	05/30/21 00:41	05/30/21 00:41	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1679730	1	05/30/21 04:46	06/02/21 13:07	WCR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1679732	1	05/30/21 06:15	06/02/21 13:07	WCR	Mt. Juliet, TN

# SAMPLE SUMMARY

## B-2-210525 L1358382-06 GW

Collected by Andrew Waser  
 Collected date/time 05/25/21 08:21  
 Received date/time 05/26/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1682025	1	06/11/21 02:10	06/11/21 11:42	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1680936	1	06/02/21 09:01	06/02/21 09:01	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1679997	1	05/30/21 01:01	05/30/21 01:01	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1679730	1	05/30/21 04:46	06/02/21 13:30	WCR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1679732	1	05/30/21 06:15	06/02/21 15:23	WCR	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## B-3-210525 L1358382-07 GW

Collected by Andrew Waser  
 Collected date/time 05/25/21 09:40  
 Received date/time 05/26/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1682025	1	06/11/21 02:10	06/11/21 11:45	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1680936	1	06/02/21 09:23	06/02/21 09:23	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1679997	1	05/30/21 01:21	05/30/21 01:21	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1679730	1	05/30/21 04:46	06/02/21 13:52	WCR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1679732	1	05/30/21 06:15	06/02/21 13:52	WCR	Mt. Juliet, TN

## B-4-210524 L1358382-08 GW

Collected by Andrew Waser  
 Collected date/time 05/24/21 14:46  
 Received date/time 05/26/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1682025	1	06/11/21 02:10	06/11/21 11:47	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1680936	1	06/02/21 09:44	06/02/21 09:44	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1679997	1	05/30/21 01:41	05/30/21 01:41	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1679730	1	05/30/21 04:46	06/02/21 14:15	WCR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1679732	1	05/30/21 06:15	06/02/21 14:15	WCR	Mt. Juliet, TN

## BD-1-211556-210525 L1358382-09 GW

Collected by Andrew Waser  
 Collected date/time 05/25/21 12:00  
 Received date/time 05/26/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1682025	1	06/11/21 02:10	06/11/21 11:50	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1680936	1	06/02/21 10:06	06/02/21 10:06	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1679997	1	05/30/21 02:02	05/30/21 02:02	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1679730	1	05/30/21 04:46	06/02/21 14:37	WCR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1679732	1	05/30/21 06:15	06/02/21 14:37	WCR	Mt. Juliet, TN

## TB-211556-210524 L1358382-10 GW

Collected by Andrew Waser  
 Collected date/time 05/24/21 10:00  
 Received date/time 05/26/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
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# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Brian Ford  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.99	6.00	1	06/11/2021 11:28	<a href="#">WG1682025</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	35.0	<u>B</u>	31.6	100	1	06/02/2021 05:03	<a href="#">WG1681128</a>
(S) a,a,a-Trifluorotoluene(FID)	97.5			78.0-120		06/02/2021 05:03	<a href="#">WG1681128</a>

6 Qc  
7 Gl  
8 Al  
9 Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/29/2021 23:20	<a href="#">WG1679997</a>
Toluene	U		0.278	1.00	1	05/29/2021 23:20	<a href="#">WG1679997</a>
Ethylbenzene	U		0.137	1.00	1	05/29/2021 23:20	<a href="#">WG1679997</a>
Total Xylenes	U		0.174	3.00	1	05/29/2021 23:20	<a href="#">WG1679997</a>
(S) Toluene-d8	103			80.0-120		05/29/2021 23:20	<a href="#">WG1679997</a>
(S) 4-Bromofluorobenzene	101			77.0-126		05/29/2021 23:20	<a href="#">WG1679997</a>
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/29/2021 23:20	<a href="#">WG1679997</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	06/02/2021 11:37	<a href="#">WG1679730</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 11:37	<a href="#">WG1679730</a>
(S) o-Terphenyl	78.0			52.0-156		06/02/2021 11:37	<a href="#">WG1679730</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	06/02/2021 11:37	<a href="#">WG1679732</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 11:37	<a href="#">WG1679732</a>
(S) o-Terphenyl	78.0			52.0-156		06/02/2021 11:37	<a href="#">WG1679732</a>



Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.99	6.00	1	06/11/2021 11:31	<a href="#">WG1682025</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	61.1	<u>B</u>	31.6	100	1	06/02/2021 07:35	<a href="#">WG1680936</a>
(S) a,a,a-Trifluorotoluene(FID)	98.2			78.0-120		06/02/2021 07:35	<a href="#">WG1680936</a>

6 Qc  
7 Gl  
8 Al  
9 Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/29/2021 23:40	<a href="#">WG1679997</a>
Toluene	U		0.278	1.00	1	05/29/2021 23:40	<a href="#">WG1679997</a>
Ethylbenzene	U		0.137	1.00	1	05/29/2021 23:40	<a href="#">WG1679997</a>
Total Xylenes	U		0.174	3.00	1	05/29/2021 23:40	<a href="#">WG1679997</a>
(S) Toluene-d8	102			80.0-120		05/29/2021 23:40	<a href="#">WG1679997</a>
(S) 4-Bromofluorobenzene	98.2			77.0-126		05/29/2021 23:40	<a href="#">WG1679997</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/29/2021 23:40	<a href="#">WG1679997</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	72.0	<u>J</u>	66.7	200	1	06/02/2021 11:59	<a href="#">WG1679730</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 11:59	<a href="#">WG1679730</a>
(S) o-Terphenyl	77.5			52.0-156		06/02/2021 11:59	<a href="#">WG1679730</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	72.0	<u>J</u>	66.7	200	1	06/02/2021 11:59	<a href="#">WG1679732</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 11:59	<a href="#">WG1679732</a>
(S) o-Terphenyl	77.5			52.0-156		06/02/2021 11:59	<a href="#">WG1679732</a>

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.99	6.00	1	06/11/2021 11:34	<a href="#">WG1682025</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	06/02/2021 07:56	<a href="#">WG1680936</a>
(S) a,a,a-Trifluorotoluene(FID)	98.3			78.0-120		06/02/2021 07:56	<a href="#">WG1680936</a>

6 Qc  
7 Gl  
8 Al  
9 Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/30/2021 00:01	<a href="#">WG1679997</a>
Toluene	U		0.278	1.00	1	05/30/2021 00:01	<a href="#">WG1679997</a>
Ethylbenzene	U		0.137	1.00	1	05/30/2021 00:01	<a href="#">WG1679997</a>
Total Xylenes	U		0.174	3.00	1	05/30/2021 00:01	<a href="#">WG1679997</a>
(S) Toluene-d8	105			80.0-120		05/30/2021 00:01	<a href="#">WG1679997</a>
(S) 4-Bromofluorobenzene	103			77.0-126		05/30/2021 00:01	<a href="#">WG1679997</a>
(S) 1,2-Dichloroethane-d4	98.8			70.0-130		05/30/2021 00:01	<a href="#">WG1679997</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	06/02/2021 12:22	<a href="#">WG1679730</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 12:22	<a href="#">WG1679730</a>
(S) o-Terphenyl	86.0			52.0-156		06/02/2021 12:22	<a href="#">WG1679730</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	06/02/2021 12:22	<a href="#">WG1679732</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 12:22	<a href="#">WG1679732</a>
(S) o-Terphenyl	86.0			52.0-156		06/02/2021 12:22	<a href="#">WG1679732</a>

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.99	6.00	1	06/11/2021 11:37	<a href="#">WG1682025</a>



Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	06/02/2021 08:18	<a href="#">WG1680936</a>
(S) a,a,a-Trifluorotoluene(FID)	97.7			78.0-120		06/02/2021 08:18	<a href="#">WG1680936</a>

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/30/2021 00:21	<a href="#">WG1679997</a>
Toluene	U		0.278	1.00	1	05/30/2021 00:21	<a href="#">WG1679997</a>
Ethylbenzene	U		0.137	1.00	1	05/30/2021 00:21	<a href="#">WG1679997</a>
Total Xylenes	U		0.174	3.00	1	05/30/2021 00:21	<a href="#">WG1679997</a>
(S) Toluene-d8	106			80.0-120		05/30/2021 00:21	<a href="#">WG1679997</a>
(S) 4-Bromofluorobenzene	101			77.0-126		05/30/2021 00:21	<a href="#">WG1679997</a>
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/30/2021 00:21	<a href="#">WG1679997</a>



Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	06/02/2021 12:44	<a href="#">WG1679730</a>
Residual Range Organics (RRO)	83.9	J	83.3	250	1	06/02/2021 12:44	<a href="#">WG1679730</a>
(S) o-Terphenyl	77.0			52.0-156		06/02/2021 12:44	<a href="#">WG1679730</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	06/02/2021 12:44	<a href="#">WG1679732</a>
Residual Range Organics (RRO)	83.9	J	83.3	250	1	06/02/2021 12:44	<a href="#">WG1679732</a>
(S) o-Terphenyl	77.0			52.0-156		06/02/2021 12:44	<a href="#">WG1679732</a>

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.99	6.00	1	06/11/2021 11:39	<a href="#">WG1682025</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	462	<u>B</u>	31.6	100	1	06/02/2021 08:39	<a href="#">WG1680936</a>
(S) a,a,a-Trifluorotoluene(FID)	100			78.0-120		06/02/2021 08:39	<a href="#">WG1680936</a>

- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/30/2021 00:41	<a href="#">WG1679997</a>
Toluene	U		0.278	1.00	1	05/30/2021 00:41	<a href="#">WG1679997</a>
Ethylbenzene	U		0.137	1.00	1	05/30/2021 00:41	<a href="#">WG1679997</a>
Total Xylenes	U		0.174	3.00	1	05/30/2021 00:41	<a href="#">WG1679997</a>
(S) Toluene-d8	100			80.0-120		05/30/2021 00:41	<a href="#">WG1679997</a>
(S) 4-Bromofluorobenzene	97.5			77.0-126		05/30/2021 00:41	<a href="#">WG1679997</a>
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/30/2021 00:41	<a href="#">WG1679997</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	137	<u>J</u>	66.7	200	1	06/02/2021 13:07	<a href="#">WG1679730</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 13:07	<a href="#">WG1679730</a>
(S) o-Terphenyl	66.5			52.0-156		06/02/2021 13:07	<a href="#">WG1679730</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	137	<u>J</u>	66.7	200	1	06/02/2021 13:07	<a href="#">WG1679732</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 13:07	<a href="#">WG1679732</a>
(S) o-Terphenyl	66.5			52.0-156		06/02/2021 13:07	<a href="#">WG1679732</a>

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.99	6.00	1	06/11/2021 11:42	<a href="#">WG1682025</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	258	<u>B</u>	31.6	100	1	06/02/2021 09:01	<a href="#">WG1680936</a>
(S) a,a,a-Trifluorotoluene(FID)	98.0			78.0-120		06/02/2021 09:01	<a href="#">WG1680936</a>

- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/30/2021 01:01	<a href="#">WG1679997</a>
Toluene	U		0.278	1.00	1	05/30/2021 01:01	<a href="#">WG1679997</a>
Ethylbenzene	5.40		0.137	1.00	1	05/30/2021 01:01	<a href="#">WG1679997</a>
Total Xylenes	0.243	<u>J</u>	0.174	3.00	1	05/30/2021 01:01	<a href="#">WG1679997</a>
(S) Toluene-d8	101			80.0-120		05/30/2021 01:01	<a href="#">WG1679997</a>
(S) 4-Bromofluorobenzene	101			77.0-126		05/30/2021 01:01	<a href="#">WG1679997</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/30/2021 01:01	<a href="#">WG1679997</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	657		66.7	200	1	06/02/2021 13:30	<a href="#">WG1679730</a>
Residual Range Organics (RRO)	147	<u>J</u>	83.3	250	1	06/02/2021 13:30	<a href="#">WG1679730</a>
(S) o-Terphenyl	94.0			52.0-156		06/02/2021 13:30	<a href="#">WG1679730</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	92.0	<u>J</u>	66.7	200	1	06/02/2021 15:23	<a href="#">WG1679732</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 15:23	<a href="#">WG1679732</a>
(S) o-Terphenyl	64.0			52.0-156		06/02/2021 15:23	<a href="#">WG1679732</a>

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.99	6.00	1	06/11/2021 11:45	<a href="#">WG1682025</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	06/02/2021 09:23	<a href="#">WG1680936</a>
(S) a,a,a-Trifluorotoluene(FID)	97.5			78.0-120		06/02/2021 09:23	<a href="#">WG1680936</a>

- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/30/2021 01:21	<a href="#">WG1679997</a>
Toluene	U		0.278	1.00	1	05/30/2021 01:21	<a href="#">WG1679997</a>
Ethylbenzene	U		0.137	1.00	1	05/30/2021 01:21	<a href="#">WG1679997</a>
Total Xylenes	U		0.174	3.00	1	05/30/2021 01:21	<a href="#">WG1679997</a>
(S) Toluene-d8	103			80.0-120		05/30/2021 01:21	<a href="#">WG1679997</a>
(S) 4-Bromofluorobenzene	98.6			77.0-126		05/30/2021 01:21	<a href="#">WG1679997</a>
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/30/2021 01:21	<a href="#">WG1679997</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	83.0	J	66.7	200	1	06/02/2021 13:52	<a href="#">WG1679730</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 13:52	<a href="#">WG1679730</a>
(S) o-Terphenyl	88.0			52.0-156		06/02/2021 13:52	<a href="#">WG1679730</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	83.0	J	66.7	200	1	06/02/2021 13:52	<a href="#">WG1679732</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 13:52	<a href="#">WG1679732</a>
(S) o-Terphenyl	88.0			52.0-156		06/02/2021 13:52	<a href="#">WG1679732</a>

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.99	6.00	1	06/11/2021 11:47	<a href="#">WG1682025</a>

1 Cp

2 Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	06/02/2021 09:44	<a href="#">WG1680936</a>
(S) a,a,a-Trifluorotoluene(FID)	99.0			78.0-120		06/02/2021 09:44	<a href="#">WG1680936</a>

3 Ss

4 Cn

5 Sr

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/30/2021 01:41	<a href="#">WG1679997</a>
Toluene	U		0.278	1.00	1	05/30/2021 01:41	<a href="#">WG1679997</a>
Ethylbenzene	U		0.137	1.00	1	05/30/2021 01:41	<a href="#">WG1679997</a>
Total Xylenes	U		0.174	3.00	1	05/30/2021 01:41	<a href="#">WG1679997</a>
(S) Toluene-d8	103			80.0-120		05/30/2021 01:41	<a href="#">WG1679997</a>
(S) 4-Bromofluorobenzene	98.5			77.0-126		05/30/2021 01:41	<a href="#">WG1679997</a>
(S) 1,2-Dichloroethane-d4	97.2			70.0-130		05/30/2021 01:41	<a href="#">WG1679997</a>

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	06/02/2021 14:15	<a href="#">WG1679730</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 14:15	<a href="#">WG1679730</a>
(S) o-Terphenyl	84.5			52.0-156		06/02/2021 14:15	<a href="#">WG1679730</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	06/02/2021 14:15	<a href="#">WG1679732</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 14:15	<a href="#">WG1679732</a>
(S) o-Terphenyl	84.5			52.0-156		06/02/2021 14:15	<a href="#">WG1679732</a>

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.99	6.00	1	06/11/2021 11:50	<a href="#">WG1682025</a>

1 Cp

2 Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	06/02/2021 10:06	<a href="#">WG1680936</a>
(S) a,a,a-Trifluorotoluene(FID)	98.0			78.0-120		06/02/2021 10:06	<a href="#">WG1680936</a>

3 Ss

4 Cn

5 Sr

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/30/2021 02:02	<a href="#">WG1679997</a>
Toluene	U		0.278	1.00	1	05/30/2021 02:02	<a href="#">WG1679997</a>
Ethylbenzene	U		0.137	1.00	1	05/30/2021 02:02	<a href="#">WG1679997</a>
Total Xylenes	U		0.174	3.00	1	05/30/2021 02:02	<a href="#">WG1679997</a>
(S) Toluene-d8	105			80.0-120		05/30/2021 02:02	<a href="#">WG1679997</a>
(S) 4-Bromofluorobenzene	101			77.0-126		05/30/2021 02:02	<a href="#">WG1679997</a>
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/30/2021 02:02	<a href="#">WG1679997</a>

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	06/02/2021 14:37	<a href="#">WG1679730</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 14:37	<a href="#">WG1679730</a>
(S) o-Terphenyl	55.5			52.0-156		06/02/2021 14:37	<a href="#">WG1679730</a>

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	06/02/2021 14:37	<a href="#">WG1679732</a>
Residual Range Organics (RRO)	U		83.3	250	1	06/02/2021 14:37	<a href="#">WG1679732</a>
(S) o-Terphenyl	55.5			52.0-156		06/02/2021 14:37	<a href="#">WG1679732</a>



Method Blank (MB)

(MB) R3666191-1 06/11/21 10:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Lead,Dissolved	U		2.99	6.00

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Laboratory Control Sample (LCS)

(LCS) R3666191-2 06/11/21 10:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead,Dissolved	1000	971	97.1	80.0-120	

<sup>4</sup>Cn

<sup>5</sup>Sr

L1358355-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1358355-01 06/11/21 11:00 • (MS) R3666191-4 06/11/21 11:06 • (MSD) R3666191-5 06/11/21 11:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead,Dissolved	1000	U	960	948	96.0	94.8	1	75.0-125			1.20	20

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3663110-2 06/02/21 03:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	48.7	↓	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	97.9			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3663110-1 06/02/21 02:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5160	93.8	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			104	78.0-120	

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R3663112-2 06/02/21 03:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	48.7	↓	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	97.9			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3663112-1 06/02/21 02:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5160	93.8	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			104	78.0-120	

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R3661884-2 05/29/21 21:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.0941	1.00
Ethylbenzene	U		0.137	1.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
<i>(S) Toluene-d8</i>	103			80.0-120
<i>(S) 4-Bromofluorobenzene</i>	99.1			77.0-126
<i>(S) 1,2-Dichloroethane-d4</i>	101			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3661884-1 05/29/21 20:29

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Benzene	5.00	5.04	101	70.0-123	
Ethylbenzene	5.00	5.05	101	79.0-123	
Toluene	5.00	5.02	100	79.0-120	
Xylenes, Total	15.0	15.3	102	79.0-123	
<i>(S) Toluene-d8</i>			102	80.0-120	
<i>(S) 4-Bromofluorobenzene</i>			99.8	77.0-126	
<i>(S) 1,2-Dichloroethane-d4</i>			102	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3662069-1 06/01/21 11:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
<i>(S) o-Terphenyl</i>	109			52.0-156

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3662069-2 06/01/21 12:08 • (LCSD) R3662069-3 06/01/21 12:31

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Diesel Range Organics (DRO)	1500	1440	1410	96.0	94.0	50.0-150			2.11	20
<i>(S) o-Terphenyl</i>				99.0	100	52.0-156				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R3662070-1 06/01/21 10:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
<i>(S) o-Terphenyl</i>	74.0			52.0-156

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3662070-2 06/01/21 11:00 • (LCSD) R3662070-3 06/01/21 11:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	974	1150	64.9	76.7	50.0-150			16.6	20
<i>(S) o-Terphenyl</i>				56.5	79.0	52.0-156				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.
Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc

# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.





Company/Address:  
**Arcadis - Chevron - WA**

1100 Olive Way  
Suite 800  
Seattle, WA 98101

Report to:  
**Ada Hamilton**

Project Description:  
**211556**

Phone: **206-325-5254**

Client Project #  
**30064316**

Lab Project #  
**CHEVARCWA-211556**

Collected by (print):  
**Andrew Waser**

Site/Facility ID #  
**101 MULFORD ROAD,**

P.O. #

Collected by (signature):  
*[Signature]*

**Rush?** (Lab MUST Be Notified)

Same Day     Five Day  
 Next Day     5 Day (Rad Only)  
 Two Day     10 Day (Rad Only)  
 Three Day

Quote #

Date Results Needed

Immediately  
Packed on Ice **N**  **Y**

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis / Container / Preservative					Chain of Custody
MW-109-210524	Grab	GW	-	5/24/21	1155	11	BTEX 8260D 40mlAmb-HCl	FF Diss Pb 6010 250mlHDPE HNO3	NWTPHDX no silica 40mlAmb-HCl-BT	NWTPHDX w/ silica 40mlAmb-HCl-BT	NWTPHGX 40mlAmb HCl	
MW-112-210524	Grab	GW	-	5/24/21	1324	11	X	X	X	X	X	-01
MW-113-210524	Grab	GW	-	5/24/21	1409	11	X	X	X	X	X	-02
MW-114-210524	Grab	GW	-	5/24/21	1243	11	X	X	X	X	X	-03
B-1-210525	Grab	GW	-	5/25/21	0855	11	X	X	X	X	X	-04
B-2-210525	Grab	GW	-	5/25/21	0821	11	X	X	X	X	X	-05
B-3-210525	Grab	GW	-	5/25/21	0940	11	X	X	X	X	X	-06
B-4-210524	Grab	GW	-	5/24/21	1446	11	X	X	X	X	X	-07
BD-1-211556-210525	Grab	GW	-	5/25/21	1200	11	X	X	X	X	X	-08
TB-211556-210524	Grab	GW	-	5/24/21	1000	2	X	*			X	-09
												-10

\* Matrix:  
 SS - Soil    AIR - Air    F - Filter  
 GW - Groundwater    B - Bioassay  
 WW - WasteWater  
 DW - Drinking Water  
 OT - Other

Remarks:

Samples returned via:  
 UPS     FedEx     Courier

Tracking # **5016 1230 961**

pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_

Sample Receipt Checklist	
COC Seal Present/Intact:	NP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
If Applicable	
VOA Zero Headspace:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Preservation Correct/Checked:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Relinquished by: (Signature)  
*[Signature]*

Date: **5/25/21**

Time: **12:30**

Received by: (Signature)  
**Shipped via FedEx**

Trip Blank Received: Yes  No   
 HCL/MeOH  
 FR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: **22.1 ± 2.3** °C    Bottles Received: **99**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:


Time:

Received for lab by: (Signature)  
*[Signature]*

Date: **5/26/21**    Time: **9:30**

Hold:    Condition: **NCF / OK**

Chain of Custody Page 1 of 1



12065 Lebanon Rd Mount Juliet, TN 37122  
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

SDG # **1358382**  
**H081**

Acctnum: CHEVARCWA  
 Template: T188027  
 Prelogin: P848710  
 PM: 110 - Brian Ford  
 PB:

Shipped Via: